



UNIVERSITY OF
GUAM
UNIBETSEDÁT GUÁHAN

2019–2020 UNDERGRADUATE CATALOG



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NOTE TO THE READER

The University reserves the right to withdraw or modify courses of instruction at any time. Review of academic, financial, and other considerations leads to changes in the policies, rules, and regulations applicable to students.

The University, therefore, reserves the right to make changes at any time. These changes may affect such matters as tuition and all other fees, degrees and programs offered (including the modification or possible elimination of degrees and programs), degree and other academic requirements, academic policies, rules pertaining to student conduct and discipline, fields or areas of concentration, and other rules and regulations applicable to students.

While every effort has been made to ensure that this catalog is accurate and up-to-date, it may include typographical or other errors. Changes are periodically made to this publication and will be incorporated in supplements and/or new editions. Changes and updates may be accessed online at www.uog.edu.

A MESSAGE FROM THE PRESIDENT

Håfa Adai!

Welcome to the University of Guam/Unibetsedåt Guåhan! In joining this academic community, you are embarking on a journey of enlightenment (ina), discovery (diskubre), and service (setbe) — the three tenants of our University mission. This Undergraduate Catalog will serve as your road-map on that journey.

Our University has a diverse range of degree programs for you to explore and pursue — from liberal arts programs like English, psychology, and fine arts to professional and applied programs, like business administration, education, and our newest degree program launched this academic year, civil engineering. In total, the University offers 25 undergraduate majors, 30 undergraduate minors, and six pre-professional programs for those looking to eventually transfer to a medical, dental, veterinary, pharmacy, optometry, or law school.

This Catalog is a great place to start your exploration of the degree or degrees that best suit your interests and eventual career path. You can also browse each degree program in depth on the UOG website or by talking personally with our faculty members, who are experts in their fields and are here to help mentor and guide you. A complete listing of faculty can be found at the back of this Catalog and on the UOG Online Directory.

This Catalog also serves as a resource for the many services available at UOG to support your academic progress. Academic success relies not only on coursework, but on facilities conducive to learning and studying, on your physical health and mental well-being, and on the friendships and community you will build through class, campus, and off-campus and off-island activities. Be sure to browse through the listing of University Centers, Research Institutes, and the various programs and services in the Enrollment Management & Student Success section, so you can make the most of your University experience.

Becoming a scholar and a member of an academic community carries certain responsibilities and expectations. The UOG Honor Code, printed on page 6, requires all of us to treat one another with respect and regard, to maintain our academic integrity and truthfulness, and to avoid the mistreatment of others for any reason. A strong sense of belonging is the cornerstone for your success, and we are committed to helping you feel a part of the Triton family. Please do your part to help others feel a strong sense of belonging at UOG as well.

For more than 65 years, the University of Guam has prepared the leaders, creators, innovators, and thinkers for this extraordinary region of the globe with a strong commitment to academic excellence and student success. I am glad you have chosen to join us and our important mission. You will be challenged, you be inspired, and you will be amazed.

Biba UOG!



Thomas W. President, Ph.D.
President and Professor of English



A MESSAGE FROM THE SENIOR VICE PRESIDENT

Buenas yan Håfa Adai!

The start of a new academic year is always an exciting time at the University of Guam. Our faculty, staff, and administrators are committed to seeing you successfully through to graduation and connecting you with the many programs in place to get you there.

Part of our strategic intent at the University is to ensure student success through our quality programs. Our programs have produced thousands of alumni who attribute the solid education and nurturing atmosphere of the University of Guam as the underpinning for their value-added transformation from student to professional. These alumni are making valuable contributions as leaders, public and private sector employees, and business owners throughout the region and beyond.

Our degree programs continue to excel. This year our Bachelor of Nursing program, Bachelor of Business Administration, and Professional Master of Business Administration programs regained accreditation from nationally recognized accreditation bodies. This is in addition to continuing accreditations for our Bachelor of Social Work program and our education degree programs as well as institution-wide accreditation under the WASC Senior College and University Commission.

We continue to evolve our program offerings as well to meet the changing needs of our community and regional workforce. This fanuchånan semester, we launch our Bachelor of Civil Engineering degree program through the School of Engineering. And last year, we launched three tracks within our Biology Program as well as three new Pathways under the business administration program, preparing students more strategically for today's workforce.

The University also aims to expose our students to unique value-added experiences and academic rigor that strengthen the overall meaning and quality of your undergraduate degree. Program-specific internships, course-related travel experiences, research opportunities with faculty of research centers, course-based service learning, and clinical and capstone experiences will all serve to strengthen your overall professional development within your respective degree program. We hope you will take advantage of these opportunities to build your personal portfolio and maximize your experiences with us.

The most important part of your college experience is that you know where to go for support through the process. This Catalog is a resource of our comprehensive student support services — including counseling, tutoring, advisement, financial assistance, disability assistance, veteran assistance, career development resources, and more. Your fellow students are also a great source of support. Learn about the more than 50 student organizations at our Student Life Office and get involved with students who share similar interests.

Seize your time here at UOG, and let us know how we can help.

Biba, UOG Tritons!



Anita Borja Enriquez, DBA

Senior Vice President of Academic & Student Affairs



UNIVERSITY OF GUAM POLICIES

EQUAL EMPLOYMENT OPPORTUNITY/ AMERICANS WITH DISABILITIES ACT/TITLE IX OFFICE

The Equal Employment Opportunity/Americans with Disabilities Act/Title IX Office (EEO/ADA/Title IX) is responsible for overseeing the implementation, review, compliance, and enforcement of equal employment opportunities, the Americans with Disabilities Act, and Title IX of the Education Amendments of 1972. The University of Guam is committed to promoting a safe and supportive environment for each and every member of our community. All members of the University community must work together to prevent and eliminate harassment, sexual misconduct, and discrimination.

New students are required to affirm their understanding of student rights and responsibilities under the University's Sexual Misconduct Policy as part of the registration process before attending any classes. Under Title IX, students have the right to the following:

- Be free from all types of sex discrimination, including sexual misconduct, sexual harassment, and sexual violence;
- Bring forward a complaint in good faith;
- Be informed of complaint procedures and options for resolution;
- Expect a complaint to be thoroughly investigated;
- Interim measures to ensure safety pending outcome of investigation;
- Be advised of outcome of investigation; and
- Be free from retaliation.

If you have been sexually harassed or sexually assaulted or are a victim of dating or domestic violence, gender-based harassment, bullying, or stalking and need help, please contact our office. Even if you are unsure of what to do, call the UOG Helpline at (671) 735-HELP (4357), and you will be connected with somebody who will assist you. We also stand ready to assist you if you wish to file a formal complaint through UOG and/or our local law enforcement. The University Sexual Misconduct Policy can be accessed at:
<https://url.uog.edu/sexual-misconduct-policy>.

In case of questions or concerns, please contact:

Larry G. Gamboa, Acting Director
Equal Employment Opportunity/
Americans with Disabilities Act/Title IX Office

303 University Drive
Mangilao, GU 96913
Location: Dorm 2 Iya Hami Hall, Room 104
Tel: (671) 735-2244
Telephone Device for the Deaf No.: (671) 735-2243
Email: eeo-ada@triton.uog.edu

Policy for Equal Employment Opportunity and Non-Discrimination/Non-Harassment *(Board of Regents Resolution No. 03-24, July 17, 2007)*

The University of Guam is committed to maintaining the campus community as a place of work and study for faculty, staff, and students, free of all forms of discrimination and harassment that are unlawful under Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. §2000e, et seq., or other applicable law. The University prohibits unlawful discrimination or harassment against any member(s) of the University community, including faculty, student, employees, staff, and administrators and applicants for such positions. This policy prohibits retaliation because one has in good faith filed a complaint concerning behavior prohibited by this policy or has reasonably opposed, reported, or stated the intent to report such behavior or is participating in a related investigation, proceeding, or hearing regarding such a matter. All members of the University community must comply with this policy.

Policy and Procedure for Students and Applicants with a Disability *(Board of Regents Resolution No. 10-11, April 22, 2010)*

In accordance with the Americans with Disabilities Act (ADA) of 1990 and the Rehabilitation Act of 1973, the University of Guam does not discriminate against students and applicants on the basis of disability in the administration of its educational and other programs. The University will reasonably accommodate individuals with disabilities, as defined by applicable law, if the individual is otherwise qualified to meet the fundamental requirements and aspects of the program of the University, without undue hardship to the University. Harassment on the basis of disability issues is prohibited.

The University offers reasonable accommodation for students in accordance with the UOG Policy and Procedure for Students and Applicants with a Disability. The ADA Office can be contacted at (671) 735-2244 or Telephone Device for the Deaf (TDD) number (671) 735-2243.

Students who seek academic accommodations are expected to contact the coordinator well in advance of the

commencement of courses and to provide the requested supporting information to the coordinator at least four weeks before classes begin. The ADA policy can be found on the University's website:
<https://url.uog.edu/eoadatitle-ix-office>.

Title IX Compliance Statement

The University of Guam does not discriminate on the basis of sex in the admission to or employment in its education programs or activities. Inquiries concerning the application of Title IX and its implementing regulations may be referred to the University's Title IX coordinator, located at the EEO/ADA/Title IX Office in Dorm II, Iya Hami Hall, Room 104, Tel. (671) 735-2244, TDD (671) 735-2243, or to the Office of Civil Rights.

STUDENT RIGHT-TO-KNOW POLICY

The University of Guam complies with the Student Right-to-Know Act, which requires the University to disclose graduation or completion rates annually for the student body in general and athletes in particular.

All current students and prospective students may request from the Office of Admissions & Records general information on graduation rates. "Prospective Student" means any person who has contacted the University requesting information concerning admission.

Any potential student who is offered "athletically related student aid" will receive more detailed information concerning graduation or completion rates for the previous year and the average of the last four years. This category of aid encompasses any scholarship, grant, or other financial aid that requires the recipient to participate in intercollegiate athletics.

ASSESSMENT OF STUDENT LEARNING OUTCOMES – STUDENT WORK AS ARTIFACTS

The University of Guam is committed to continuous assessment of its programs to measure the effectiveness of student learning. Copies of students' work may be included as aggregate assessment or artifact and will only be displayed outside the academic arena with student's permission. The artifacts may be displayed for viewing as evidence of student learning in printed, electronic, or web format. Submitting an artifact of student work will in no way affect a student's final grade on the assignment. This notice does not replace, supersede or relieve the University's faculty and researchers from complying with the University's Committee on Human Research Subjects policies and procedures that may require informed written consent

from human research subjects.

Students or faculty with any questions about assessment should contact the Office of Academic Assessment and Institutional Research at 735-2585 or www.uog.edu.

TOBACCO POLICY

The University of Guam is a tobacco-free campus and has a total ban on sales, smoking, and distribution and use of tobacco and tobacco-based products on campus. The University is committed to promoting the health, wellness, and social well-being of the University community, the people of Guam, and the Western Pacific.

RELEASE OF INFORMATION / FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

Annually, University of Guam informs students of the Family Educational Rights and Privacy Act of 1974 (FERPA), as amended. This Act, with which the institution intends to comply fully, was designated to protect the privacy of education records. FERPA affords students certain rights with respect to their education records.

These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access. Students should submit to the Office of the Registrar, the college dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will arrange 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 University official to whom the request was submitted, that official shall advise the student of the correct official to 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 University to amend a record that they believe is inaccurate or misleading. They should write to the University 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 University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Students wishing to restrict release of directory information must file a "Request to Prevent Disclosure of Directory Information" form at the Office of Admissions & Records.

This form must be filed within two weeks after the first day of instruction of a regular semester and within one week after the first day of instruction of summer sessions. The notification to prevent disclosure of directory information is effective only for the one term for which the student is registering.

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 a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, 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. Another exception where records may be released without student consent is to parents or legal guardians upon submission of evidence that the parents or legal guardians declared the student as a dependent on their most recent income tax form. For more information on other exceptions, contact the Registrar's Office.

The following is considered "Directory Information"

at the University and will be made available to the general public unless the student notifies the Office of the Registrar in person or in writing before the last day to add classes:

Student's name, telephone number, email address, mailing address, date and place of birth, major field of study, participation in officially recognized activities and sports, dates of enrollment, honors, awards, degrees completed and dates of degrees conferred, institutions attended prior to admission to UOG, class level, and full-time/part-time status.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University of Guam 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 Ave. SW
Washington, D.C. 20202-5920

STUDENT HANDBOOK

The Student Handbook provides most of the information needed by students to understand their roles within the University. Students should carefully read this handbook, abide by its rules and regulations, and refer to it whenever they have questions or problems concerning University policies or procedures. Contact the Student Life Office for a copy of the handbook or visit the UOG website for the electronic copy at www.uog.edu.

HONOR CODE STATEMENT

The University of Guam is a community of academics, administrators, support staff, and students who are devoted to the pursuit of truth and integrity in all of the University's operations in the conduct of research, coursework, the management of the institution, and the relationships of UOG community members.

All members of the community are expected to adhere to standards of behavior that exhibit regard and respect for one another. We are all responsible to treat one another in a fair and equitable manner that does not discriminate nor take advantage of anyone for any purpose due to their status as a student, subordinate, or supervisor.

The University has in place responsibilities and standards of behavior with regard to academic integrity; non-discrimination on the basis of race, sexual orientation, national origin, color, religion, religious creed, age, disability, citizenship status, military service status, or any other status

protected by law; and interpersonal behavior of a sexual or romantic nature. The University will scrupulously follow these policies and applicable federal and Guam law.

All members of the community have the right to have complaints investigated and managed in accordance with these policies. All members of the community have the right to due process in the management of these complaints. Retaliation is prohibited under these policies, federal law, and Guam law.

Most importantly, all members of the community have a responsibility to read and understand these policies and apply them to their personal behavior. The great University of Guam requires each of us to understand our individual rights; to understand our responsibilities to one another; and to pursue truth and integrity.

GENERAL INFORMATION

MISSION

Ina, Diskubre, Setbe:

To Enlighten, To Discover, To Serve

- The University of Guam is a U.S.-accredited regional land-grant institution. It is dedicated to the search for and dissemination of knowledge, wisdom, and truth.
- The University exists to service its learners and the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.
- The University prepares learners for life by providing the opportunity to acquire knowledge, skills, attitudes, and abilities through the core curriculum, degree programs, research, and outreach.
- At the Pacific crosscurrents of the East and West, the University of Guam provides a unique opportunity to discover and acquire indigenous and global knowledge.

ACCREDITATIONS

The University of Guam, a U.S. land-grant institution, is accredited by the Western Association of Schools and Colleges (WASC) Senior College and University Commission (WSCUC), a U.S. regional accrediting body recognized by the Council on Post-Secondary Accreditation and the U.S. Department of Education. The University has been continuously accredited since 1959. See www.wascsenior.org and www.uog.edu for more information about WSCUC and the University of Guam. All of UOG's academic programs and its Intensive English Program (a non-degree program) are covered by this accreditation.

School of Health

The Bachelor of Science in Nursing program is approved by the Guam Board of Nurse Examiners and is accredited by the Accreditation Commission for Education in Nursing (ACEN) until 2026. The program received initial accreditation in 1996 through the commission, which was at that time the National League for Nursing Accreditation Commission (NLNAC).

The Bachelor of Social Work degree program is accredited by the Council on Social Work Education (CSWE) through 2023.

School of Business & Public Administration

The Bachelor of Business Administration degree program as well as the Professional Master of Business Administration

degree program are accredited by the International Accreditation Council for Business Education (IACBE) until 2026. This continues a history of accreditation for the school dating back to 1997.

In December 2014, the Master of Public Administration degree program was approved for membership under the Network of Schools of Public Policy, Affairs, and Administration (NASPAA), which is considered the global standard in public service education.

School of Education

The School of Education and all of its degree programs are accredited under the National Council for Accreditation of Teacher Education (NCATE) through the Council for the Accreditation of Educator Preparation (CAEP) system.

Additionally, programs provided by the School of Education to prepare candidates for teacher certification in elementary, secondary, second language elementary, and special education are accepted by the Guam Commission on Educator Certification.

The University of Guam is accredited by:

The Western Association of Schools and Colleges
Senior College and University Commission
985 Atlantic Avenue, Suite 100
Alameda, CA 94501
Phone: 1 (510) 748-9001
Fax: 1 (510) 748-9797
Contact: <https://www.wscuc.org/contact>
Website: <https://www.wscuc.org/>



INSTITUTIONAL STUDENT LEARNING OUTCOMES (ISLO)

The expected fundamental knowledge, skills, and values that the University of Guam student will have demonstrated upon completion of any degree are:

- Mastery of critical thinking and problem solving
- Mastery of quantitative analysis
- Effective oral and written communication

- Understanding and appreciation of culturally diverse people, ideas, and values in a democratic context
- Responsible use of knowledge, natural resources, and technology
- An appreciation of the arts and sciences
- An interest in personal development and lifelong learning

For more clarification and examples of how students might demonstrate the ISLOs, see <https://url.uog.edu/islos>.

HISTORY

The University of Guam dates back to June 1952, when the island government established the Territorial College of Guam as a two-year teacher-training school under the U.S. Department of Education. The College, located on a high school campus in the village of Mongmong, had an initial enrollment of approximately 200 students — most of them experienced teachers — and a staff of 13.

The College gained accreditation as a junior college in 1959 and moved to the present campus in central Mangilao in 1960 where a two-story classroom building and a library had been erected. The College's academic programs expanded to accommodate increasing enrollment and student needs.

In 1963, administrative control of the College was transferred from the Department of Education to a five-member governing Board of Regents. Accreditation as a four-year degree-granting institution was first granted in 1963 and again in 1965.

A plan for the establishment of three undergraduate schools was implemented in the fall of 1967. The following year, on Aug. 12, 1968 — four months after its accreditation was extended to the maximum five-year period — the College was renamed the "University of Guam" by an act of the Guam Legislature.

Enrollment in the fall of 1968 reached 1,800; staff and faculty totaled more than 130. Additions to the campus included a new library, the Fine Arts Building, and the Science Building. A Student Center, three dormitories, and the Health Sciences Building were completed in the summer of 1970.

On June 22, 1972, the University was designated a land-grant institution by an Act of the U.S. Congress. Administrative autonomy was granted on Oct. 4, 1976, with the enactment of Public Law 13-194, "The Higher Education Act of 1976," which became effective on Nov. 3, 1976. The Act, with subsequent amendments, established the University as a non-membership, non-profit corporation under the control and operation of a nine-member Board of Regents appointed by the governor, with the advice and consent of the legislature. Public Law 17-55, enacted on

June 11, 1984, provided further autonomy to the University and established staggered terms for members of the Board of Regents.

LOCATION

The University campus sits on a gently sloping 100-acre site in Mangilao, minutes from Hagåtña and other government and commercial centers. It overlooks Pago Bay and commands a breathtaking view of the Pacific Ocean.

LANGUAGE

English is the official language of the University of Guam. The University of Guam also endeavors to support official uses of the CHamoru language through phrases and salutations that have already become part of the UOG experience. In this effort, the University adheres to spelling and usage conventions developed by the *Kumision I Fino' CHamoru*, which has the duty via Public Law 33-236 of establishing agreement on CHamoru orthography and notifying public and private institutions of updates to the language.

In line with this endeavor, the semester names at the University of Guam are officially the following, in line with the CHamoru terms for the local seasons:

- August to December: **Fanuchånan** ("a time for wet")
- December to January: **Tinalo'** ("in between")
- January to May: **Fañomnåkan** ("a time for sunshine")
- June to August: **Finakpo'** ("the conclusion")

ACADEMIC CALENDAR

Fanuchånan 2019 - Fañomnåkan 2020

The dates listed below for application and registration into the University of Guam are recommended timelines that students are encouraged to observe. The University will continue to accept applications and process registrations

for new, first-time, and returning students up until the last day of open registration as space is available. However, those applicants must provide complete documentation at the time of application for acceptance into the University.

FANUCHÅNAN (AUGUST – DECEMBER) 2019

June 9 English Placement Test - Last names (A-C): 8:30 a.m. Last names (D-L): 12:30 p.m. CLASS Lecture Hall. For more information, call 735-2725. Bring picture ID with Social Security Number and payment receipt from admissions application.

June 10-11 Math Placement Test - Last names (A-C): 9 a.m. – noon and 1 p.m. – 4 p.m. Computer Center Lab, Room 107A and 107B. For more information, call 735-2825. Bring picture ID with Social Security Number and payment receipt from admissions application.

June 12-13 Math Placement Test - Last names (D-L): 9 a.m. – noon and 1 p.m. – 4 p.m. Computer Center Lab, Room 107A and 107B. For more information, call 735-2825. Bring picture ID with Social Security Number and payment receipt from admissions application.

June 14 & 17 Math Placement Test - Last names (M-R): 9 a.m. - noon and 1 p.m. – 4 p.m. Computer Center Lab, Room 107A and 107B. For more information, call 735-2825. Bring picture ID with Social Security Number and payment receipt from admissions application.

June 16 English Placement Test - Last names (M-R): 8:30 a.m., Last names (S-Z): 12:30 p.m. CLASS Lecture Hall. For more information, call 735-2725. Bring picture ID with Social Security Number and payment receipt from admissions application.

June 18-19 Math Placement Test - Last names (S-Z): 9 a.m. – noon and 1 p.m. – 4 p.m., Computer Center Lab, Room 107A and 107B. For more information, call 735-2825. Bring picture ID with Social Security Number and payment receipt from admissions application.

Aug. 8, 9, 12, 16, 19 & 20 Open Registration

Aug. 13-16 New Student Registration (for Fanuchånan 2019) Senior citizens notify Records Office of intent to participate in Tuition Waiver Program.

Aug. 21 Fanuchånan 2019 weekday classes begin

Aug. 21–27 Fanuchånan 2019 Schedule Adjustment Period (Drop/Add Courses). Make schedule adjustments at the Records Office or any satellite location (8 a.m. – 5 p.m., Monday – Friday). Cancellation fees apply.

Aug. 24 Fanuchånan 2019 Saturday classes begin

Aug. 27 Last day to register for Course by Conference for Fanuchånan 2019. Forms available at the Professional & International Programs (PIP) office.

Aug. 27 Deadline to Withdraw Without Transcript Records Entry for Fanuchånan 2019

Aug. 28 Senior Citizen Tuition Program registration for eligible residents (55+). Contact 734-2210/11.

Aug. 29 Payment deadline for Fanuchånan registration: Must be received by 4 p.m., Aug. 29, 2019; otherwise, your registration will be cancelled. Even if your schedule is cancelled, you are still liable to pay your financial obligation. If you are a financial aid recipient or are interested in financial aid, please contact the Financial Aid Office to ensure that all necessary documents are complete before the payment deadlines.

Sept. 2 Holiday: Labor Day

Oct. 9 Last day for voluntary withdrawal from Fanuchånan 2019 classes with a grade of "W"

Oct. 16 Deadline for Special Project and Credit by Exam for Fanuchånan 2019. Forms available at the Professional & International Programs (PIP) office.

Nov. 2 Holiday: All Souls' Day
(observed on Friday, Nov. 1)

Nov. 11 Holiday: Veterans Day

Nov. 28 Holiday: Thanksgiving Day

Nov. 28–30 Thanksgiving Break

Dec. 8 Holiday: Our Lady of Camarin Day
(observed on Monday, Dec. 9)

Dec. 13 Deadline to submit "Petition to Withdraw" from Fanuchånan 2019 classes. Pick up and submit form at the Admissions & Records Office by 5 p.m. (One form per class; each form requires individual instructors and advisor signature and approval.)

Dec. 13 Last day of instruction for Fanuchånan 2019

Dec. 16 Final exams for Fanuchånan 2019 Saturday classes

Dec. 16–18 Final exams for Fanuchånan 2019 weekday classes

Dec. 2–23 Faculty – Online Grade Posting

Dec. 20 Fanuchånan 2019 semester ends

Dec. 20 Grades due for prospective graduating students by 5 p.m.

Dec. 22 Fanuchånan 2019 Commencement Ceremony

Dec. 23 Grades for all students due by 5 p.m.

TINALO' (DECEMBER - JANUARY) 2019

Dec. 10–20 Tinalo' 2019 Registration

Dec. 21 Tinalo' 2019 begins

Dec. 23 Tinalo' Schedule Adjustment and Late Registration

Dec. 24 Payment deadline for Tinalo'. Final payment for Tinalo' registration must be received by 4 p.m., Dec. 24, 2019; otherwise, students will be administratively withdrawn from all courses and will be required to pay a \$50 administrative fee.

Dec. 25 Holiday: Christmas Day

Jan. 1 Holiday: New Year's Day

Jan. 2 Voluntary withdrawal deadline for Tinalo' 2019

Jan. 8–10 Faculty evaluations

Jan. 18 Tinalo' 2019 ends

Jan. 22 Final grades due for Tinalo' 2019

FAÑOMNÅKAN (JANUARY - MAY) 2020

2019

Sept. 3 Deadline to submit International (Foreign I-20) Application for Admission for Fañomnåkan 2020

Sept. 30 Deadline to submit Application for Degree Completion. Students anticipating Fañomnåkan 2020 graduation must pick up and submit an application to the Admissions & Records Office.

Oct. 21 Deadline to submit Former Student Re-entry Application to participate in Fañomnåkan 2020 Early Registration by class level. Students who submit Re-Entry Applications after deadline will participate in Fañomnåkan 2020 Open Registration.

Nov. 4–Dec. 6 Fañomnåkan 2020 Early Registration by class level. (Total credits completed = Class level.) Register at the Admissions & Records Office, on WebAdvisor, or any satellite location. Make payment by 4 p.m. on Jan. 30.

Nov. 15 Deadline to submit Resident/Non-Resident Application For Admission (except international students) to avoid Fañomnåkan 2020 Late Registration.

Dec. 1 Fañomnåkan 2020 English Placement Tests at the CLASS Lecture Hall. Check-in: 8 a.m. Test begins: 8:30 a.m. For more information, call 735-2725. Bring picture ID and payment receipt from admission application.

Dec. 2–6 Fañomnåkan 2020 Math Placement Tests at Computer Center Lab, Rooms 107A and 107B.

Two sessions per day:

Session 1: Check-in: 8:30 a.m. Test: 9 a.m. – noon

Session 2: Check-in: 12:30 p.m. Test: 1 p.m. – 4 p.m.

For more information, call 735-2825. Bring picture ID and payment receipt from admission application.

Dec. 10–13 Fañomnåkan 2020 Early Registration (on WebAdvisor ONLY)

2020

Jan. 1 Holiday: New Year's Day

Jan. 8, 9, 10, 17 & 21 **Fañomnåkan 2020 Open Registration** Register at the Admissions & Records Office, on WebAdvisor, or at any satellite location (8 a.m. – 5 p.m., Monday – Friday).

Jan. 14–17 **Fañomnåkan 2020 New Student Registration** - Senior citizens notify Records Office of intent to participate in Tuition Waiver Program.

Jan. 20 Holiday: Martin Luther King Jr. Day

Jan. 22 **Fañomnåkan 2020 weekday classes and Part A eight-week classes begin**

Jan. 22–28 **Fañomnåkan 2020 Schedule Adjustment Period.** Make schedule adjustments at the Admissions & Records Office or any satellite location (8 a.m. – 5 p.m., Monday – Friday). Cancellation fee applies.

Jan. 25 **Fañomnåkan 2020 Saturday classes begin**

Jan. 28 **Last day to register for Course by Conference for Fañomnåkan 2020.** Forms available at the Professional & International Programs (PIP) office.

Jan. 28 **Last day to Drop Fañomnåkan 2020 classes without transcript record entry**

Jan. 29 **Senior Citizen Tuition Waiver Program registration for eligible residents (55+)**

Jan. 30 **Deadline to make payment by 4 p.m.**

Feb. 21 **Faculty Development Day**

March 2 **Holiday: Guam History and CHamoru Heritage Day**

March 10 **Charter Day**

March 18 **Last day for Voluntary Withdrawal from Fañomnåkan 2020 classes with a grade of "W."**

March 18 **Deadline for Special Project and Credit by Exam Fañomnåkan 2020.** Forms available at the Professional & International Programs (PIP) office.

March 20 **Last day of Part A eight-week classes**

March 23–28 **Spring Break**

March 30 **First Day of Part B eight-week classes**

May 15 **Deadline to submit "Petition to Withdraw" from Fañomnåkan 2020 classes.** Pick up and submit form at the Admissions & Records Office by 5 p.m. (One form per class; each form requires individual instructor's and advisor's signature/approval.)

May 15 **Last day of Part B eight-week classes**

May 15 **Last day of instruction**

May 11–26 **Faculty – Online Grade Posting**

May 18 **Final exams - Fañomnåkan 2020 Saturday classes**

May 18–20 **Final exams - Fañomnåkan 2020 Weekday classes**

May 22 **Semester ends**
Grades for prospective graduating students due by 5 p.m.

May 24 **Fañomnåkan 2020 Commencement Ceremony**

May 25 **Holiday: Memorial Day**

May 26 **Grades for all remaining students due by 5 p.m.**

FINAKPO' (JUNE - AUGUST) 2020

Feb. 3 **Deadline to submit Finakpo' 2020 International (Foreign I-20) Application for Admission**

Feb. 28 **Deadline to submit Application for Degree Completion.** Students anticipating Finakpo' 2020 or Fanuchånan 2020 graduation must submit an application to the Admissions & Records Office.

March 3–31 **Finakpo' 2020 Early Registration by class level.** (Total credits completed = Class level.) Register at the Admissions & Records Office, on WebAdvisor, or at any satellite location. Payment must be completed no later than the second day for each Finakpo' session.

April 1–May 1 **Finakpó 2020 Early Registration (on WebAdvisor ONLY)**

April 10 **Deadline to submit Resident/Non-Resident Application for Admission to participate in Finakpo' 2020 New Student Orientation/Registration**

April 20 **Finakpo' 2020 English Placement Tests** at the CLASS Lecture Hall. Check-in: 8 a.m.; Test begins: 8:30 a.m. For more information, call 735-2725. Bring picture ID and payment receipt from admission application.

May 2 & 9 Finakpo' 2020 Math Placement Tests at the Computer Center Lab, Rooms 107A and 107B. Two sessions per day:

Session 1: Check-in: 8:30 a.m. Test: 9 a.m. – noon

Session 2: Check-in: 12:30 p.m. Test: 1 p.m. – 4 p.m.

For more information, call 735-2825. Bring picture ID and payment receipt from admission application.

May 25 Holiday: Memorial Day

May 26–27 Finakpo' Session Open Registration
Register at the Admissions & Records Office or any satellite location (8 a.m. – 5 p.m., Monday – Friday).

May 28–29 New Student Finakpo' 2020 Registration

June 1 First day of classes, Late Registration and Schedule Adjustment for Finakpo' 2020 Session A

June 1 Last day to register for Course by Conference for Finakpo' A. Forms available at the Professional & International Programs (PIP) office.

June 8 First day of classes, Late Registration and Schedule Adjustment for Finakpo' 2020 Session B

June 8 Last day to register for Course by Conference Finakpo' B. Forms available at the Professional & International Programs (PIP) office.

June 15 Deadline for Special Project and Credit by Exam for Finakpo' A. Forms available at the Professional & International Programs (PIP) office.

June 17 Last day for Voluntary Withdrawal from Finakpo' 2020 Session A classes with a grade of "W"

June 22 Deadline for Special Project and Credit by Exam for Finakpo' B. Forms available at the Professional & International Programs (PIP) office.

June 24 Last day for Voluntary Withdrawal for Finakpo' 2020 Session B classes with a grade of "W"

July 2 Last day of classes for Finakpo' 2020 Session A

July 2 Deadline to submit "Petition to Withdraw" from Finakpo' 2020 Session A classes. Pick up and submit form at the Admissions & Records Office by 5 p.m. (One

form per class. Each form requires individual instructor's signature/approval.)

July 4 Holiday: Independence Day
(observed on Friday, July 3)

July 6 First day of classes, Late Registration and Schedule Adjustment – Finakpo' 2020 Session C

July 6 Last day to register for Course by Conference for Finakpo' C. Forms available at the Professional & International Programs (PIP) office.

July 7 Grades for Finakpo' 2020 Session A due before 5 p.m.

July 15 Last day for Voluntary Withdrawal from Finakpo' 2020 Session C classes with a grade of "W"

July 21 Holiday: Liberation Day

July 22 Deadline for Special Project and Credit by Exam for Finakpo' C. Forms available at the Professional & International Programs (PIP) office.

July 24 Deadline to submit "Petition to Withdraw" from Finakpo' 2020 Session B classes. Pick up and submit form at the Admissions & Records Office. (One form per class. Each form requires individual instructor's signature and approval.)

July 24 Last day of classes for Finakpo' 2020 Session B

July 25 Last day of Saturday classes for Finakpo' 2020 Session B

July 29 Grades for Finakpo' 2020 Session B due by 5 p.m.

Aug. 7 Deadline to submit "Petition to Withdraw" from Finakpo' 2020 Session C classes. Pick up and submit form at the Admissions & Records Office by 5 p.m. (One form per class. Each form requires individual instructor's signature and approval.)

Aug 7 Last day of classes for Finakpo' 2020 Session C

Aug. 8 Last day of Saturday classes for Finakpo' 2020 Session C

Aug. 13 Grades for Finakpo' 2020 Session C due by 5 p.m.

FANUCHÅNAN (AUGUST – DECEMBER) 2020

March 16 Deadline to submit International (Foreign I-20) Application for Admission for Fanuchånan 2020

Apr. 1–May 1 Fanuchånan 2020 Early Registration by class level. (Total credits completed = Class level.) Register at the Admissions & Records Office, on WebAdvisor, or at any satellite location (8 a.m. – 5 p.m., Monday – Friday).

May 4–July 10 Fanuchånan 2020 Early Registration (on WebAdvisor ONLY)

May 28 Deadline to Submit Resident/Non-Resident (except International Students) Application for Admissions for Fanuchånan 2020

June 8-9 Fanuchånan 2020 Math Placement Test – Last names (A-C). Test sessions: 9 a.m. – noon and 1 p.m. – 4 p.m., Computer Center Lab, Room 107A and 107B. For more information, call 735-2825. Bring picture ID with Social Security Number and payment receipt from admissions application.

June 10-11 Fanuchånan 2020 Math Placement Test – Last names (D-L). Test sessions: 9 a.m. – noon and 1 p.m. – 4 p.m., Computer Center Lab, Room 107A and 107B. For more information, call 735-2825. Bring picture ID with Social Security Number and payment receipt from admissions application.

June 12 & 15 Fanuchånan 2020 Math Placement Test – Last names (M-R). Test sessions: 9 a.m. – noon and 1 p.m. – 4 p.m., Computer Center Lab, Room 107A and 107B. For more information, call 735-2825. Bring picture ID with Social Security Number and payment receipt from admissions application.

June 16–17 Fanuchånan 2020 Math Placement Test – Last names (S-Z). Test sessions: 9 a.m. – noon and 1 p.m. – 4 p.m., Computer Center Lab, Room 107A and 107B. For more information, call 735-2825. Bring picture ID with Social Security Number and payment receipt from admissions application.

UNIVERSITY CENTERS AND PROGRAMS

AUXILIARY SERVICES

Triton Store and Gift Shop

The University of Guam Triton Store and Gift Shop is conveniently located in the Student Center and is open to the University community as well as the public. It carries textbooks, instructional materials, trade books, dictionaries, reference books, and school/office supplies. A variety of sundries, snacks, and beverages are available as well as gift items and quality clothing bearing the UOG logo.

Tel: (671) 735-2931

Website: <https://www.tritonstore.gu>

Food and Beverage Services

Food trucks and food vendors are available to serve the campus community with meals and cold beverages at reasonable prices. Food trucks are located in the center courtyard across from the RFK Library and are open for lunch to the general public Monday through Thursday. Food vendors are located at the School of Health building and the School of Business & Public Administration building and are also open to the general public Monday through Friday.

Post Office - UOG Station

The Post Office at UOG Station provides postal services to the students living in the dorms and the University community. It is also open to the general public. Hours of operations are 7:30 a.m. – 3 p.m. from Monday through Friday.

Location: Student Services Center

Ann S.A. Leon Guerrero,
Director of Auxilliary Services
Tel: (671) 735-2931
Email: : annsalg@triton.uog.edu

BANK OF HAWAII CENTER FOR ENTREPRENEURSHIP AND INNOVATION

Launched in April 2016, the Bank of Hawaii Center for Entrepreneurship and Innovation (C4EI) is an interactive learning laboratory that brings students' business ideas to life and nurtures growth from concept to launch and beyond. The center was developed through a partnership with the Bank of Hawaii Foundation and the University of Guam School of Business & Public Administration (SBPA).

As part of students' curricular and co-curricular activities, the C4EI serves as a gathering place for students to share business concepts and to explore the feasibility of their potential business. The goal is to spur an entrepreneurial spirit within and among students of all academic fields, moving them past the initial stage of idea generation into the implementation of a successful and profitable company.

As a bridge from the start-up phase, students utilizing the center will benefit from existing resources, such as the Guam Small Business Development Center, which will provide the long-term resources and support for students who have already launched their businesses. The added benefit is that students can remain plugged into both centers' networks for ongoing resources and support.

In addition, the partnership also supports the Bank of Hawaii-SBPA Dean's Speaker Series and Entrepreneur Series. The series gives students the opportunity to connect with successful professionals in different business disciplines. Through this partnership, students are also able to hear inspiring perspectives from local, national, and international guest speakers.

In 2019, C4EI also launched its #Getbizy podcast and YouTube Channel as well as an Instagram account. Since 2018, the center offers access and training to 3D printers and audio/video recording.

Location: Jesus & Eugenia Leon Guerrero Business and Public Administration Building, 2nd Floor

Email: c4ei@triton.uog.edu

iTunes: <https://podcasts.apple.com/au/podcast/getbizy/id1451570230>

YouTube: <https://www.youtube.com/channel/UCCYLziip-0SHgjtXB4cDEOjQ>

Facebook & Instagram: @uogc4ei

CALVO FIELD HOUSE

The University of Guam Calvo Field House was originally developed to provide UOG students with a site to expand their knowledge and skills in the areas of health and physical education. This concept eventually broadened to allow the Calvo Field House to be used alternately as a community center for sports and recreational use as well as a concert and performance hall and convention center.

The facility hosts intramural sports, varsity sports competitions, and physical education and recreation classes in a

newly renovated Triton Fitness Center with locker rooms and restroom facilities.

For the island as a whole, the facility offers a unique venue for events never before economically or practically feasible. Comprising an area of 70,500 square feet, the Calvo Field House can accommodate more than 2,700 people for basketball and volleyball games and approximately 3,100 people for concerts, mixed martial arts and boxing matches, graduation ceremonies, and other events.

The Calvo Field House also houses program and administration offices for the University, including the Office of Admissions & Records, the Financial Aid Office, and the TRiO Program offices.

Tel: (671) 735-2861

Email: palmerd@triton.uog.edu

Website: www.uog.edu/athletics/calvo-field-house

COMPUTER CENTER

The Computer Center under the Office of Information Technology is a multipurpose facility designed to meet the requirements of the University of Guam's academic and administrative community. The center provides and supports a wide variety of academic, instructional, research-related, and administrative services. Consistent with the regional role of the University, the center also provides technical support and services to various public agencies as needed.

The campus network is supported by a 10GB backbone with redundant internet access. Network access is provided through monitored hardwire ports and Wi-Fi access points. Through the campus network, authorized University users can access the Internet 2 using the GOREX (Guam Open Research and Education eXchange) link with the University of Hawaii. The Internet 2 provides high-speed data transfer between institutions and direct access to supported content delivery networks. UOG campus network is also an EduRoam participant. This membership allows visiting users from other educational institutions or research partners to access the campus network using their home institutional network credentials.

The Computer Center-supported labs are equipped with networked microcomputers and printers. Most workstations include multimedia systems, productivity software, including statistical analysis packages and compilers, and Internet access.

Computer labs are located at:

- School of Business and Public Administration: Various locations
- College of Natural and Applied Sciences: Computer Science Program lab in Annex/Warehouse B

- College of Liberal Arts and Social Sciences: Division of English and Applied Linguistics lab; Division of Humanities Digital Language Laboratory for Modern Language Instruction
- School of Education: Various locations

Location: Micronesia Area Research Center / Computer Center Building

Tel: (671) 735-2640

Email: operations@triton.uog.edu

GUAM PROCUREMENT TECHNICAL ASSISTANCE CENTER

The Guam Procurement Technical Assistance Center under the School of Business and Public Administration provides services needed to ensure that Guam small businesses are competitive in the local and federal marketplace.

Businesses pursuing opportunities with the Department of Defense, federal agencies, the local government, or government prime contractors can avail of PTAC's wide range of free services, including one-on-one counseling sessions, group workshops, seminars, and matchmaking events.

Guam PTAC's mission is threefold:

1. To support overall national security by ensuring a broad base of capable suppliers for the defense industry and other agencies, enhancing competition and ensuring that government agencies realize the best value for their procurement dollars.
2. To improve Guam's economy by helping businesses successfully compete for government contracts, thereby creating and retaining jobs and bringing other economic benefits to the communities.
3. To support government agency efforts to meet their mandated small-business goals for contracting dollars.

Guam PTAC was established on Oct. 1, 2008, and is funded in part through a cooperative agreement with the Defense Logistics Agency.

Main Office:

Rooms 116–117, Jesus & Eugenia Leon Guerrero Business & Public Administration Building, University of Guam

Satellite Offices:

- Bank of Guam, East-West Center, Upper Tumon
- Guam Economic Development Authority, ITC Building, Tamuning

Tel: (671) 735-2552

Email: boris@guamptac.com, admin@guamptac.com

Website: www.guamptac.com

ISA PSYCHOLOGICAL SERVICES CENTER

Isla Psychological Services Center provides free mental health services to UOG students, staff, faculty, and members of their families, as well as to adults, children, and families from the local community who are not able to access services elsewhere.

The services offered at Isla include:

- Individual psychotherapy for adults, adolescents, and children
- Family and couples therapy
- Group therapy
- Clinical assessment
- Crisis intervention
- Consultation
- Outreach programs
- Personal growth retreats

The center also serves as the primary training facility for the Master of Science in Clinical Psychology Program and as a research center for faculty and student research addressing mental health issues in the Micronesian region.

Location: Humanities & Social Science Building, Room 202
Hours: 9 a.m. – 5 p.m., Monday – Friday
Phone: (671) 735-2883
Email: isa@triton.uog.edu

ISLA CENTER FOR THE ARTS

The mission of Isla Center for the Arts is to provide specialized programs in the arts that are not otherwise available to the community of Guam due to its isolated geographic location. The focus of Isla's programs is two-fold: to conserve and promote the indigenous arts of the Pacific area and to serve as a source for a broad understanding of Western thought and civilization.

Programming at Isla includes an annual series of exhibitions, free of charge, that emphasize the arts of the Pacific region as well as those of the Western world. Isla houses a permanent collection of more than 500 objects, including European and Japanese prints. The highlight of the collection is the array of objects that represent the sculptural and weaving traditions of the Micronesian region. Objects in the permanent collection are available for research upon request.

Isla serves students ranging from elementary through University levels, local artists, the Guam public, and visitors to Guam. Isla's broad range of programming attracts approximately 5,000 patrons annually.

Isla is under the umbrella of the Division of Communication

and Fine Arts of the University of Guam's College of Liberal Arts and Social Sciences. Funding for Isla's programs comes from corporate and private donations as well as the annual Ceramic Celebration and Art-a-thon campaigns.

To view previous exhibitions, visit the website below.

Location: Dean's Circle, Houses #14 and #15
Gallery hours: 10 a.m. – 5 p.m., Monday – Friday
10 a.m. – 2 p.m., Saturday
Tel: (671) 735-2965
Email: islacenter@gmail.com
Website: www.uog.edu/isla

PACIFIC ISLANDS SMALL BUSINESS DEVELOPMENT CENTER NETWORK AND THE GUAM SMALL BUSINESS DEVELOPMENT CENTER

The Pacific Islands Small Business Development Center Network (PISBDCN) is a part of the University of Guam School of Business & Public Administration. It was established to coordinate resources from the University of Guam, the local government, the federal government, and the private sector to provide high-quality business and economic development assistance to existing and prospective small businesses.

PISBDCN contracts with local agencies to establish service centers that provide high-quality management and technical assistance to current and potential small-business owners. Assistance is provided through counseling programs, training programs, business and economic information programs, women in business and other minority programs, veterans programs, village outreach programs, a capital formation advisory service program, a business assistance center program, and an international trade program.

Existing service centers under the PISBDCN include the Guam Small Business Development Center (SBDC) and SBDCs in Chuuk, Kosrae, Palau, the Northern Mariana Islands, and Yap. Advisors within these service centers provide direct assistance and coordinate the client's utilization of all of the center's resources. The counseling program offers free and confidential one-to-one assistance that incorporates the expertise available within its own staff, augmented by faculty and students from affiliated institutions of higher learning and independent professionals. The counseling program provides comprehensive assistance in one or more of the following service areas: feasibility studies, market research, economic and business surveys, business plan development, loan preparation assistance, management, and marketing.

The training program sponsors a comprehensive list of high-quality workshops and conferences focused on business start-up, business plan writing, business management,

human resources management, and marketing that are designed to enhance the skills and knowledge of existing and prospective small-business owners and their employees.

Location: Jesus & Eugenia Leon Guerrero Business & Public Administration Building, Room 148
Tel: (671) 735-2590
Email: sbdc@pacificsbdc.com
Website: www.pacificsbdc.com

PROFESSIONAL & INTERNATIONAL PROGRAMS (PIP)

The Professional & International Programs (PIP) department at the University of Guam responds to the educational and training needs of its dynamic and diverse constituencies. Through an array of comprehensive programs and services, PIP facilitates learning and workforce development in an environment of open access through lifelong educational opportunities.

Professional Development and Continuing Education

PIP helps to plan and provide many types of credit and non-credit continuing education programs to meet special interests within the community to continue learning. Courses may be offered during daytime or evening hours and can be taught on campus or at the workplace.

Courses and workshops are often a result of requests by individuals or groups within the community. The topics vary from job skills enhancement to personal enrichment interests. Various community education programs and seminars focus on social issues. Business, industry, and professional organizations provide special courses at UOG for their employees.

Self-paced courses are also available through PIP anytime, anywhere. All that is needed is a web-enabled computer and a desire to learn skills or update current skill sets that will assist you in your career. A team of online professionals are available for assistance as well as educational textbooks to support the interactive learning experience.

AMA University Programs

PIP has partnered with the American Management Association (AMA) to offer more than 75 courses and five certificate programs for:

- Continuing education
- Professional and workforce development
- Business and industry training

PIP offers AMA curriculum delivered by experienced fac-

ulty that meets the needs of professionals who want the latest management thinking and best practices.

English Adventure Program

The English Adventure Program is a short-term English language learning program designed for travel agents, students from visiting schools, and visiting institutions that want to learn English while enjoying the wonders of Guam's tropical environment. The program offers a variety of packages catered to meet the needs of each individual group. Custom packages can focus on beginning, intermediate, or advanced English curriculum. Optional tours, sports, cultural activities, and recreational activities may also be provided.

English Language Institute

The English Language Institute (ELI) at the University of Guam has offered classes in English as a Second Language since 1979 with the principle purpose of preparing students for university enrollment.

Programs are offered throughout the year. Students attend daily classes to improve writing skills, conversation and listening skills, reading comprehension, and study skills and to ultimately gain confidence using English.

The ELI welcomes all individuals regardless of national origin who have completed secondary education and who are at least 18 years of age. No previous knowledge of English is necessary.

The ELI faculty have extensive teaching experience and training in Teaching English as a Second Language. In addition, both teachers and staff have international teaching and work experience.

Location: Dean's Circle, English Language Institute Building
Tel: (671) 734-1233
Email: elienglish@triton.uog.edu

REGIONAL CENTER FOR PUBLIC POLICY

The University of Guam Regional Center for Public Policy (RCPP) under the School of Business and Public Administration was launched in November 2016. Its mission is to innovate and improve governance, leadership, and public policy for the people and institutions of Guam, the Asia-Pacific region, and the world. Through education, research, professional development, and public service, RCPP will serve as the premier catalyst for excellence and a repository of indigenously relevant knowledge.

Location: Jesus & Eugenia Leon Guerrero Business & Public Administration Building, Room 130

Tel: (671) 735-2501

Email: rcpp@triton.uog.edu

Website: www.uog.edu/rcpp

Pacific Center for Economic Initiatives

The University of Guam Pacific Center for Economic Initiatives (PCEI) under the Regional Center for Public Policy exists to help build local entrepreneurial capacity and local information resource capacity as part of its comprehensive approach toward entrepreneurship and economic development on Guam. UOG PCEI is aligned with the University's land-grant outreach mission to support economic development on Guam and in the neighboring region. In partnership with the Pacific Islands Small Business Development Center Network and housed within UOG's School of Business & Public Administration, UOG PCEI serves as a reservoir for resource experts of technical assistance for small-business planning initiatives, local relevant market and industry information for industry development, and readily accessible information through its resource database.

Location: Jesus & Eugenia Leon Guerrero Business & Public Administration Building, University of Guam

Email: atsantos@triton.uog.edu

TELECOMMUNICATIONS & DISTANCE EDUCATION OPERATION

The Telecommunication & Distance Education Operation (TADEO) under the Office of Information Technology is a member of the Micronesia High-Frequency/Single-Side Band radio (HF/SSB) network. TADEO provides voice communication to the Pacific Islands as a public service. The TADEO staff broadcast daily news and weather reports to the region. TADEO also serves as a radio contact point for outer-island search-and-rescue support and natural disaster communication.

TADEO offers videoconference services via the internet for

the campus community. The TADEO staff assists various campus departments with video conference services for online collaboration, recruitment, and vendor demonstrations.

Center for Online Learning

The Center for Online Learning is a sub-unit under TADEO whose mission is to coordinate and promote distance education programs for local, military, and regional adult learners. These programs may lead to either a certificate in a specialized area or a college degree.

The center, in conjunction with TADEO staff, manages, monitors, and administers the Learning Management Software (LMS). The Center for Online Learning also provides training for faculty in the use of LMS and in the design and implementation of distance education course material. Lastly, the center monitors and maintains an electronic help desk for online users.

Location: Dean's Circle, House #6

Tel: (671) 735-2620

Help Desk: helpdesk@uog.edu

Moodle Help: moodlehelp@triton.uog.edu

RESEARCH CENTERS AND INSTITUTES

CANCER RESEARCH CENTER

The University of Guam Cancer Research Center is the only U.S. cancer research infrastructure established west of Hawaii. It was established as part of a partnership between the University of Guam and the University of Hawaii Cancer Center to address cancer health disparities in Pacific Islanders, a highly underserved and under-researched minority population in regards to cancer. The partnership is currently supported by a U54 grant.

The establishment of the Cancer Research Center has facilitated the development of the Guam Cancer Registry to track cancer incidence and mortality in the region by ethnicity, age, and gender. The data has since informed important legislation, including an increased tax on tobacco products, and has provided data to cancer researchers. The partnership also provides opportunities for faculty as well as pre-doctoral and post-doctoral students to develop and strengthen skills in project design and administration, team collaboration, recruitment and retention, specimen collection, data analysis, manuscript writing, and grantsmanship, among others.

Continued funding will support research projects focused on cancers of regional significance. Early stage and senior investigators at the University of Hawaii Cancer Center will gain opportunities to work with new populations in the Hawaii-Pacific region, including Chamorus, Chuukese, and Marshallese and establish collaborations with UOG faculty who share interests in cancer health disparities research.

Location: Dean's Circle, House #27
Tel: (671) 735-3036

CENTER FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH & SERVICE

The University of Guam Center for Excellence in Developmental Disabilities Education, Research & Service (CEDDERS) is one of 67 federally funded university centers of its kind found in every U.S. state and territory. Its mission is to create pathways that enhance, improve, and support the quality of life of individuals with developmental disabilities and their families.

From its inception in 1993, CEDDERS has evolved into a dynamic organization that has served as a training and technical assistance provider for Guam and the Western Pacific region for more than 26 years. Past and ongoing collaborative efforts include facilitating a wide variety of interdisciplinary training activities at the pre-service, in-service, and community-based

levels that enable individuals with disabilities, families, and service providers to access opportunities to expand their knowledge, skills, and abilities.

Community service, technical assistance, training, research, and dissemination activities are carried out through the center's three major initiative areas: Quality Assurance, Early Intervention/Education, and Assistive Technology.

CEDDERS programs and services include the Guam System for Assistive Technology (GSAT) Training Center, located at House 19, Dean's Circle.

Main Office Location: Dean's Circle, House #29
Tel: (671) 735-2481
Fax: (671) 734-5709
TTY: (671) 734-6531
Website: www.guamcedders.org

CENTER FOR ISLAND SUSTAINABILITY

Island sustainability ensures that the needs of the current generation are met without compromising the ability of future generations to meet their needs. The Center for Island Sustainability (CIS) was established in 2009 to lead and support the transition of island communities toward a sustainable future. CIS has since become a focal institute in our region for conducting sustainability-related research and community outreach, in cooperation and coordination with other appropriate government agencies, non-governmental organizations, and community groups to help meet island needs in the broader areas of environment, economy, society, and education.

As an entity, CIS provides expertise and serves as an honest broker of information on a diverse array of sustainability issues for Guam and Micronesia. CIS develops watershed restoration technologies, surveys island biodiversity, conducts coral reef educational outreach, provides energy audits for small businesses, coordinates recycling efforts, builds local capacity in the marine and environmental sciences, and more. CIS encourages action on sustainability to decrease reliance on imports, improve energy independence, and increase food security, in order to reduce the export of money and build a thriving local economy, more resilient to disasters and global changes.

Location: Dean's Circle, House #32
Tel: (671) 734-2918
Website: www.uog.edu/cis

COOPERATIVE EXTENSION & OUTREACH

The University of Guam Cooperative Extension & Outreach (CE&O), within the College of Natural & Applied Science (CNAS), enables the multicultural community of Guam to make more informed decisions through informal, non-formal, and self-directed programs and materials. Both in-person and online, research-based information is shared through education venues that allow citizens of Guam and the region to make decisions for their lives. Reciprocally, their needs are communicated to University professionals to answer questions through the research inquiry.

CE&O is part of a much larger family of 112 U.S. land-grant colleges and universities that share research, information, scientific breakthroughs, and best educational practices. CE&O receives a majority of its funding from the U.S. Department of Agriculture's National Institute of Food and Agriculture (NIFA), but faculty and staff are also active in attracting significant additional funding that is used for outreach, extension, and research efforts. This program is fully integrated with CNAS's Western Pacific Tropical Research Center, and builds partnerships with and provides service to other schools and colleges of UOG. In addition to extension education, CE&O faculty and staff also teach undergraduate and graduate classes.

CE&O has education and materials addressing a variety of issues, concerns, needs, and opportunities for Guam and the region. Subject matter includes livestock care; aquaculture; fruit and vegetable production; small-business development; community development; consumer skills for decision making; production agriculture methods; pest identification and treatment; food technology; food label development; nutrition education; healthy living across the lifespan; consumer horticulture; plant disease identification and management; agroforestry, native plants, soil science, and technology; sustainable agriculture issues; youth leadership development; and science and technology education, to name just a few topics with research-based information for the public. Through four program areas — 4H Youth Development, Agriculture and Natural Resources, Consumer and Family Sciences/Community Nutrition, and Community Development — CE&O brings together the research and develops education programs and materials to address learner needs.

CE&O's mission is to bridge research to citizens to ensure healthy families, strong economic systems, and vibrant communities for Guam's future.

MARINE LABORATORY

The University of Guam's Marine Laboratory is a research, teaching, and service facility located on the shore of Pago Bay below the main campus.

The research focus of the Marine Laboratory is tropical

coral reef studies. Basic research is conducted by individual staff members in their specialty areas: ichthyology and fisheries biology, evolutionary ecology, molecular genetics, photo-biology, invertebrate zoology, coral physiology and larval ecology, restoration ecology, chemical ecology and natural products chemistry, community ecology, and species interactions.

Marine Laboratory faculty engage in an active internship program, offering mentoring for local high school and undergraduate interns. Marine Lab students and faculty donate their time to give guest lectures and tours for diverse interest groups, visiting students, and hundreds of schoolchildren. In addition, Marine Lab personnel actively engage the community at various environmental events on Guam, such as Earth Day, World Oceans Day, the Guam Coral Reef Symposium, and the annual International Coastal Clean-Up.

Research projects are concentrated on Guam but extend throughout the Northern Mariana Islands, Palau, the Federated States of Micronesia, the Marshall Islands, Philippines, Japan, and other locations of the Indo-Pacific region.

The laboratory consists of three buildings, which include a lecture hall; administrative, faculty, and student offices; two outdoor wet labs supplied by a flowing seawater system; a shop for maintenance of boats and trucks and construction of research apparatuses; a biorepository; and ecology, genetics, molecular, microbiology, and biochemistry laboratories.

RICHARD FLORES TAITANO MICRONESIAN AREA RESEARCH CENTER

The Richard Flores Taitano Micronesian Area Research Center (MARC) has been a trusted source for information about the islands within the Micronesian region for over half a century. MARC has paved the way for a deeper knowledge of Micronesia, its peoples, and their cultures and assisted a better understanding of both its heritage and its contemporary realities by providing a comprehensive collection of the region's historical documents and by conducting new research about Micronesia and its surrounding region. Additionally, MARC responds to community needs through its specialized programs of the University of Guam Press and the Micronesian Language Institute.

MARC was established to serve as an educational institution that acquires, preserves, and provides access to unique collections about the Micronesian region. Its Guam and Micronesia Reference Collection collects books, manuscripts, periodicals and serials, government documents, reprints, maps, and other documents that were either written about or produced within the region. The Spanish Documents Collection is comprised of original documents as well as full-size and microfilm reproductions that reflect the lengthy presence of Spain in Micronesia. The Manuscripts

Collection has extensive documentation reflecting the American presence in Guam.

MARC adds new information about the region through its faculty research projects, publications, transcriptions and translations programs, and analytic bibliographic listings of important Spanish, German, French, Japanese, and other foreign language documents. MARC faculty have introduced new understandings about the region through archival, historical, and empirical research in the fields of anthropology, archaeology, history, education, political science, economics, and sociology.

Micronesian Language Institute

The Micronesian Language Institute, established in May 1990, is tasked with carrying out research, service, and teaching activities that enlarge understanding of the indigenous languages of Micronesia. MARC faculty and staff also provide community service through consultation and cooperation with many government agencies and community organizations as well as through collaborations with other scholars worldwide.

University of Guam Press

In 2014, the University of Guam re-established the University of Guam Press (UOG Press) to advance Micronesian scholarship. UOG Press publishes an array of academic and literary books and journals and strives to increase the availability of exceptional scholarly and literary texts that can be used to learn about Guam and Micronesia. The press has two major publishing components: MARC Publications and Taiguini books.

MARC Publications began in the 1970s as a community outreach program and publishes research-based evidence-driven academic texts that focus on historical and contemporary issues that impact the social, political, economic, and sustainable development of Western Pacific islands and communities.

Taiguini Books, which publishes cultural and indigenous literature to help capture, preserve, and promote awareness of the depth and eloquence of the Micronesian storytelling tradition in written form.

MARC's library collections, research space, office space, an archaeology lab, and UOG Press offices are located in a two-story research wing of the MARC-Computer Center complex and Dean's Circle. The Micronesian Language Institute is located in Dean's Circle. Visit RFT-MARC's website, www.uog.edu/marc, for additional information.

WATER & ENVIRONMENTAL RESEARCH INSTITUTE OF THE WESTERN PACIFIC

The Water & Environmental Research Institute of the Western Pacific was established as a research unit of the University of Guam in May 1975. It is one of 54 similar institutes

established by the U.S. Congressional Delegation at each land-grant university in the United States and in several territories. The role of the institute is to provide water and environmental resources information by conducting basic and applied research in an interdisciplinary environment by teaching and by disseminating research results. WERI is ranked among the top six institutes nationwide, based on its professional performance.

Consistent with the regional role of the University, WERI devotes part of its program effort to Western Pacific islands other than Guam. It is the only research center of its type in this geographic area and endeavors to respond to the unique conditions that exist here. The institute works closely with an advisory council composed of environmental and water resources professionals from the Western Pacific region.

Water resources research is inherently multidisciplinary and includes all the water and environmental related areas of engineering as well as other areas such as biology, chemistry, economics, law, geology, anthropology, climatology, and meteorology. In order to undertake research of this nature, the institute draws from the varied expertise of its research faculty members, other University of Guam faculty, research affiliates from other universities, and local professionals.

WERI is supported through funding from various sources, such as local University of Guam appropriations, WERI-targeted funds from the Guam Legislature, and annual water research programs for Guam, the Northern Mariana Islands, and the Federated States of Micronesia. Additional funds are available from contracts and grants from federal, local, and private agencies in support of specific projects.

The institute is housed in the University of Guam Water Sciences Laboratory located next to Pago Bay on the lower campus of the University. This facility contains office spaces for faculty, a hydraulic/geology laboratory, a water quality laboratory, a combined computer-aided design laboratory, a GIS facility, a water resources library and conference room, and support staff areas.

WESTERN PACIFIC TROPICAL RESEARCH CENTER

The Western Pacific Tropical Research Center (WPTRC) of the College of Natural & Applied Sciences encompasses full-time scientists, supporting personnel, laboratories, three agricultural experimental stations, and the Fadian Aquaculture Center. The WPTRC's research agenda is determined by the needs of stakeholders, relevant challenges for Guam and the Western Pacific region, and the pursuit of original scientific knowledge.

Work at WPTRC is aimed to 1) sustain, protect, and restore the natural environment, 2) stimulate economic development

using natural resources, and 3) improve the quality of life in the Western Pacific. Interdisciplinary research at the biomolecular, cell, organismal, community, and ecosystem levels is conducted on native plant extinction prevention, forest inventory analysis, soil conservation, forest health, integrated small-scale farming systems, disease-free plant propagation, crop genetic improvement, human nutrition, obesity reduction, food safety, and green roofs, among other topics. These research efforts contribute to improve the sustainable management of land and coastal resources and enhance the quality of life in Guam and the region. Research findings are disseminated through publications in peer-reviewed journals, technical reports, and presentations at regional, national, and international meetings.

Major funding for WPTRC research is provided through the federal Hatch, multistate Hatch, and McIntire Stennis programs for land-grant universities administered by the U.S. Department of Agriculture's National Institute of Food and Agriculture. Additional funding comes from the National Science Foundation, USDA Animal and Plant Health Inspection Service, USDA Forest Service, the U.S. Department of Defense, the government of Guam, and the private sector.

WPTRC faculty also teach undergraduate and graduate classes, mentor students, and contribute service to the University and communities in Guam.

ENROLLMENT MANAGEMENT & STUDENT SUCCESS (EMSS)

The Enrollment Management & Student Success Division is committed to student support. Significant human growth and student development take place not only in the traditional classroom setting, but also in the Residence Halls, Student Center, and through involvement in campus co-curricular activities. Under the direction of the dean of Enrollment Management & Student Success are: Career Development Office, Student Life Office, Student Organizations, Student Government Association, Student Counseling and Advisement, Student Health Service, Financial Aid Office, Residence Halls/Life, TRIO Programs, the Office of Admissions & Records, and AmeriCorps.

For inquiries regarding the programs and activities facilitated by the Division of Enrollment Management & Student Success, contact:

Lawrence F. Camacho, Dean
Enrollment Management & Student Success
Location: Student Center
Tel: (671) 735-2292/90 Fax: (671) 735-2442
Email: lcamacho@triton.uog.edu

CAREER DEVELOPMENT OFFICE

The Career Development Office is open to all UOG students and alumni and offers assistance in internship opportunities, referrals for job placement, and career counseling and advisement in finding suitable positions within their career choices. The office is committed to help guide the students and alumni in developing self-direction and personal responsibility in the career decision-making and job search process; to network with a variety of employers for available job opportunities in their organizations; and to maximize students' exposure to the employers through the annual Fall Employer On-Campus Recruitment and the annual Spring Job Fair events.

Other services, like providing class presentations on career exploration, outreach career presentations on and off campus, and workshops on topics including mock interviews, resume writing, application processing, and dressing for success are conducted throughout the year. Personal conferences may be arranged to review student and alumni goals, plans, qualifications, career assessments, educational requirements, and other matters of concern.

Location: Student Center
Hours: 8 a.m. – noon and 1 p.m. – 5 p.m., Monday – Friday
Tel: (671) 735-2233
Email: career.development@triton.uog.edu

STUDENT LIFE OFFICE

The Student Life Office (SLO) coordinates extracurricular programs and activities in order to provide a positive and interactive social and learning environment for students and to promote development. The SLO also provides assistance for academic and disciplinary problems and complaints.

The Student Life Offices organizes orientation for all new students, familiarizing students with the University's academic programs, student support services, and campus life activities as well as providing them an introduction to administrators, deans, student leaders, and advisors. New Student Orientation begins one week prior to the Fanuchånan (Aug.–Dec.), Fañomnåkan (Jan.–May) and Finakpo' (June–Aug.) sessions.

Student Organizations

Students have the opportunity to participate in more than 50 organizations under the Student Life Office and are encouraged to get involved. A list of student organizations may be found at www.uog.edu/life-at-uog.

Students with a common interest or purpose who seek to form an organization and use the University's name, resources, or facilities must register the organization with the Student Life Office and must have a faculty advisor. Recognized organizations may request Student Government Association financial aid and assistance for their activities. However, neither the University nor the SGA is obligated to provide facilities, supplies, or financial assistance to any campus organization. Necessary forms to petition for University recognition may be obtained from the Student Life Office.

Location: Student Center
Tel: (671) 735-2271
Email: studentlife@triton.uog.edu

Student Government Association

The Student Government Association (SGA) of the University of Guam is the official name adopted by the organization representing the students of UOG. All students who have paid the student activity fee are regular members of the association. The SGA is governed by student officers and senators within the framework of its constitution and by-laws. Officers and senators are elected annually by the student body and are responsible for administering the affairs of the association. The association is responsible for most student body activities and

shares with the administration a concern for the morale, welfare, and development of all students. Through shared representation on academic, community, and student grievance committees the rights and responsibilities of students are protected by the association.

Location: Student Center
Tel: (671) 735-2222
Email: uog.sga@triton.uog.edu

STUDENT COUNSELING AND ADVISEMENT SERVICES

Counselors assist students with a wide range of personal concerns and issues, which are divided into three areas of specialization: educational advisement, psychological counseling, and accommodative services for students with disabilities. Confidentiality is strictly maintained within each of these four areas.

Academic Advisement

Academic counselors assist students in identifying their personal educational goals. With the use of technology, counselors can help student determine which areas of study best meet those goals. Students that have not yet declared a major are advised to seek the assistance of an academic counselor.

Psychological Counseling

Psychological counseling (short-term) is available to all registered students who may be undergoing personal difficulties or learning problems that interfere with a student's daily functioning. Individual counseling is offered to assist students in resolving issues that cause emotional distress. Group counseling offers the opportunity for students to work together in learning to deal more effectively with personal concerns.

Services for Students with Disabilities

Accommodative services assist students with disabilities in ensuring their needs are met for academic purposes. Students requesting accommodations should be made as early as possible before the beginning of the semester but will be accepted throughout the year. All students with disabilities must submit appropriate educational, medical, and psychological documentation to substantiate their need for services and a copy of their course schedule.

First-Year Seminar

Courses offered to students: FY-101: First-Year Seminar is a three-credit course required for all entering students with less than 30 credit hours of college coursework. This course is designed to help students get the most out of their academic experience by offering ongoing orientation to university life, academic self-help skills, and career planning.

Location: Student Center and EMSS Office
Tel: (671) 735-3342

STUDENT HEALTH SERVICES

Student Health Services is committed to providing high-quality, low-cost health care to all UOG students.

Student Health Services evaluates, maintains, and promotes the general health status of our student so they may make informed, appropriate, and healthy life choices to achieve their academic and career goals.

The Student Health Services office provides health clearance for University enrollment, pursuant to Public Law 22-130, Title 10 of the Guam Code Annotated, as well as emergency CPR/SFA care, referrals to specialists, HIV/STI education, counseling, and testing, health education on various other health issues, and tobacco cessation classes.

These health care services are confidential.

Health Requirements

All UOG applicants must supply evidence of having been vaccinated against Measles, Mumps, and Rubella (either MMR#1 and MMR#2 vaccinations OR titer to prove immunity). Students born before 1957 are exempted from MMR requirements. Results of a tuberculin (TB)/purified protein derivative (PPD) skin test taken no earlier than six months of the date of application are required for submission. (If the results of the PPD/TB skin test are positive, you must have a Latent Tuberculosis Infection (LTBI) form attached with your Chest X-Ray report filled out by your health care provider. The LTBI form and Chest X-Ray report shall be shown to the Department of Public Health & Social Services, Tuberculosis Department in Mangilao, Guam. You will obtain a Certificate of Tuberculosis Evaluation, also known as Public Health Clearance. In addition, new applicants must complete a health clearance form and submit it to the Student Health Services. Required documents must be submitted to the Student Health Services office and be cleared before orientation and registration. Failure to submit documents to clear health requirements will delay registration. All students are highly encouraged to purchase a medical health insurance plan valid on Guam.

International Students

Most medical care services in the United States are extremely expensive. To protect our UOG international (I-20) students from these high costs, the University requires all full-time international students to have health insurance by providing proof of coverage that is valid on Guam. You may contact the University Designated School Official at the Office of Admissions & Records for more information at (671) 735-2201.

Exchange Students

The University strongly recommends all full-time exchange students have health insurance coverage valid on Guam.

Location: Student Center

Hours: 8:30 a.m. – noon and 1 p.m. – 4:30 p.m., Monday – Friday

Tel: 735-2225/6 Fax: 734-4651

Email: uogstudenthealth@triton.uog.edu

TRITON'S CALL STUDENT NEWSPAPER

The student newspaper, Triton's Call, has been an instrument of information and news for UOG students and the UOG community since 1965. It also provides opportunities for students to acquire experience in various facets of journalism, such as writing, editing, photography, layout, production, and advertising under the guidance of faculty advisors. Triton's Call reporters, editors, photographers, designers, and contributors are all students studying at the University.

Location: English & Communications Building, 2nd Floor

Email: tritonscalluog@gmail.com

RESIDENCE HALLS

The Residence Halls Office is responsible for providing student housing and promoting residence life programs for students. Living on campus contributes to the intellectual, social, and emotional well-being of the students who compose the residential community. Student residents live conveniently near University resources, and they form a community that helps and encourages academic excellence, while providing co-curricular programs, healthy recreational activities, and enjoyable entertainment.

Accommodations

The University of Guam has three co-ed residence halls (dormitories) on campus, which accommodate up to 191 student residents in double-occupancy rooms and single private rooms. Dorm 1 residences are located on the first floor of the building with two wings and a total of two corridors, while Dorms 2 and 3 are two-story buildings with two wings, for a total of four corridors per hall dorm. Each corridor has 12 rooms and one or two shared bathrooms. Two students generally share residential rooms, though single rooms may be obtained for a premium when space is available. All rooms are air-conditioned and furnished with a bed, a desk and chair, and a closet or wardrobe with a chest of drawers for each resident. The residents share one kitchen, a study hall, a TV lounge, and a laundry room. Additionally, a convenience store is located in Dorm 1, while the cafeteria that serves the mandatory meal plan is located in Dorm 3.

The Residence Halls are staffed by student Resident

Assistants (RAs). The RAs coordinate many co-curricular and extracurricular activities, competitions, and events, such as movie nights, game days, and much more. Recreation for residents is available at the Calvo Field House with its weight room, exercise room, and indoor courts.

Applying for Residence Halls

Application for residence on campus may be made with the Residence Halls Office. A \$100 reservation/security deposit is required at the time of the initial application. However, if a student's application is placed on the waiting list, the security deposit is returned to the student and will be required upon availability of a room in which the student is interested. Rooms are reserved (with deposits) on a first-come first-served basis in accordance to the application schedule for continuing/returning, new, and all applicants. Students who make reservations and are not on the waiting list but cancel their application will receive a \$50 refund from their deposits ONLY when they provide the Residence Halls Office with a written cancellation before the first day of the contract period. After that date, the entire deposit is forfeited. A reservation will be automatically canceled if a student fails to arrive at the Residence Halls at the beginning of the contract period, unless a prior written confirmation of the reservation, which specifies the date of arrival, is received by the Residence Halls Office before the first day of the contract period.

To receive a housing application or additional information regarding the Residence Halls, contact the Residence Halls Office at:

Residence Halls Life Office

University of Guam

303 University Drive

Mangilao, Guam 96923

Tel: (671) 735-2260/1 Fax: (671) 734-2262

Email: rho@triton.uog.edu

Webpage: <http://www.uog.edu/life-at-uog/residence-halls/life-in-the-halls>

Prospective residents are welcome to visit the Residence Halls from 8 a.m. to 5 p.m. Monday through Friday. Call to schedule a visit.

TRIO PROGRAMS

The TRIO Programs are responsible for the management of three federally funded programs: Student Support Services, Upward Bound, and Educational Talent Search.

Student Support Services

Student Support Services is a 100% federally funded program that provides free academic services to eligible University of Guam students. These services are designed

to assist low-income, first-generation college students and students with disabilities in completing their bachelor's degrees.

Services available include: academic assistance in math and English, academic guidance and counseling, financial aid searches, and cultural activities.

Location: Calvo Field House, first and second floor
Hours: 8 a.m. – 5 p.m., Monday – Friday
Tel: (671) 735-2248 Fax: (671) 734-7514
Website:
www.uog.edu/trio-programs/student-support-services

Upward Bound

The Upward Bound (UB) program is a TRIO college preparation program hosted by UOG. It is 100% federally funded to serve 103 high school students currently attending one of Guam's public high schools. Students from non-GDOE high schools may apply if they meet the program's eligibility requirement and are accepted on a space-available basis.

The program's main objectives are to: a) improve academic performance and GPA; b) help improve standardized test scores; c) retain students in high school so they may graduate; d) provide college preparation and support services for college enrollment immediately after high school; and e) track alumni progress toward completion of their postsecondary degree(s).

UB's free services for eligible students include tutoring, academic support services, career and college preparation activities; financial aid information and financial literacy assistance; a summer program for high school credit at UOG; study skills and self-development; field trips; and more. UB staff provide the services at the target high schools and at the UOG campus.

Tel: (671) 735-1991/1992
Website: www.uog.edu/trio-program/upward-bound

Educational Talent Search

Educational Talent Search is a 100% federally funded program under the U.S. Department of Education's Higher Education Act of 1965, as amended by the U.S. Higher Education Opportunity Act of 2008. ETS is a nationwide program under the TRIO umbrella. The program identifies and assists individuals from disadvantaged backgrounds who have the potential to succeed in higher education.

The program provides academic, career, and financial counseling to its participants and encourages them to graduate from high school and continue on to and complete their postsecondary education. The program publicizes the availability of financial aid and with the postsecondary application process. ETS also encourages persons who have not completed education programs at

the secondary or postsecondary level to enter or reenter and complete postsecondary education. The goal of ETS is to increase the number of youths from disadvantaged backgrounds who complete high school and enroll in and complete their postsecondary education.

The UOG ETS program serves 738 middle (eighth graders only) and high school students as well as young adults until age 27. Participants must be first-generation college students and/or from a low-income family background based on the Federal Income Guidelines.

Location: Calvo Field House, second floor
Hours: 8 a.m. – 5 p.m., Monday – Friday
Tel: (671) 735-2246
Website: www.uog.edu/trio-programs/educational-talent-search

FINANCIAL AID OFFICE

The Financial Aid Office provides a wide range of financial services designed to help students meet the cost of attending the University of Guam. Financial aid is awarded in the form of grants, scholarships, loans, employment, and tuition waivers that help pay the costs of tuition, fees, books, supplies, room and board, transportation, and other personal expenses. The University coordinates and administers a variety of federal, state, private, and institutional programs (each with different regulations, requirements, procedures, and forms). Information on the various types of financial assistance available, applications and eligibility requirements are available at the Financial Aid Office located at the Calvo Field House.

FEDERAL AID

The Title IV Federal Financial Aid Programs are governed by federal regulations and are subject to modification by the U.S. Department of Education and the U.S. Congress; therefore, financial aid information in this catalog is subject to change without notice.

All federally funded programs require the completion of the Free Application for Federal Student Aid (FAFSA) on an annual basis; therefore, students who wish to receive federal financial aid must complete a FAFSA for the academic year in which benefits are expected.

FAFSAs are available beginning on Oct. 1 of each year for classes beginning in the fanuchånan (Aug.–Dec.) semester of the following year. The financial aid process may be lengthy, as it is governed by federal, state, and institutional regulations. The financial aid process can be further delayed if students do not return required documentation in a timely manner.

Upon receipt of the Student Aid Report (SAR) from the U.S. Department of Education, each student must complete the Financial Aid Information Sheet and submit it to the Financial Aid Office. (See the Financial Aid Office website for more information at www.uog.edu/financial-aid/.)

Students must meet the following minimum criteria established by the federal government to be considered for the federal programs offered at UOG:

- Be a U.S. citizen or an eligible non-citizen;
- Demonstrate need;
- Be making satisfactory academic progress;
- Be enrolled in a degree-granting program;
- Not be in default on any Title IV loans;
- Not owe repayment of any Title IV funds;
- Be registered with Selective Service (if applicable).

Students are encouraged to complete the FAFSA online at <http://www.fafsa.ed.gov>. Completing the application online reduces processing time and errors. To complete the FAFSA online, students will need an FSA ID from the U.S. Department of Education, which they can request at <https://fsaid.ed.gov/npas/index.htm>. The FSA ID will be sent to the student via email and/or regular mail. It usually takes less than 48 hours to receive an FSA ID by email. For dependent students completing the online FAFSA, at least one parent must also have an FSA ID.

NOTE: Part-time students may receive federal or state-funded financial aid. Some aid programs, such as the Pell Grant, are restricted to undergraduate students.

Federal aid is disbursed throughout each semester based on the date filed.

GOVERNMENT OF GUAM AID

The Government of Guam Student Financial Assistance Programs (SFAP) are governed by local legislation and are appropriated each fiscal year. The appropriation may not necessarily be sufficient to fund all new eligible applicants. Applicants are encouraged to apply well before the published due date. (See www.uog.edu/financial-aid/ for more information.)

SFAP provides financial assistance for undergraduate and graduate studies at the University of Guam or at a U.S.-accredited off-island institution (but only for majors not offered or equivalent to those offered at UOG).

SFAP consists of the following programs:

- Merit Scholarship Program
- Access to Higher Education Financial Assistance Program
- Health Professions Training Scholarship (Nursing Training or Social Work)
- Research/Teaching Assistantship Program
- Jesus U. Torres Professional/Technical Award (PROTECH)
- Pedro "Doc" Sanchez Professional Scholarship
- Dr. Antonio C. Yamashita Teacher Corps Program

The applications are available yearly. See the Financial Aid website for posted deadlines.

OTHER FINANCIAL ASSISTANCE

Other scholarship and assistance opportunities exist. Each program will have its own application process and qualifications. Private scholarships are funded by organizations within the Guam community and may be viewed on the Financial Aid webpage, while the Federated States of

Micronesia, Palau, and other island governments in the region provide some aid for the residents of their perspective islands.

FEDERAL SATISFACTORY ACADEMIC PROGRESS POLICY

Federal regulations require the Financial Aid Office to monitor the progress of all students toward the completion of their degree. This monitoring process is called the Satisfactory Academic Progress (SAP). The Department of Education requires that a school monitor SAP both quantitatively and qualitatively.

SAP is essential to remain eligible to receive funds from any Federal Title IV, state, or university aid programs.

SAP is assessed by the Financial Aid Office for any student who applies for financial aid. A student must be eligible by this policy whether or not a recipient of aid during the evaluated period of attendance.

These rules must apply to all students whether or not they were recipients of any financial aid at the University of Guam or any other college. This policy is effective immediately and supersedes the previous policies.

Federal regulations state that the rules must include the following elements:

- A maximum timeframe for students to complete his or her program (i.e. based on credits attempted);
- A minimum number of units to be completed;
- A minimum GPA.

At the end of each semester, the Financial Aid Office will monitor each undergraduate and graduate student's academic progress to determine financial aid eligibility.

To maintain SAP, the following minimum requirements must be met:

Undergraduate

- Complete at least 75% of credit hours attempted with a passing grade (see chart below);
- Attempt no more than 186 credit hours for bachelor's degree program (based on a 150% of 124 credit hour requirement degree program. Maximum credit hours for programs requiring more than 124 credits will be adjusted accordingly);
- Maintain a 2.00 cumulative GPA.

Graduate

- Complete at least 75% of credit hours attempted with a passing grade (see chart below);
- Attempt no more than 54 credit hours for master's degree program (based on a 150% of 36 credit hour requirement degree program. Maximum credit hours

for programs requiring more than 54 credits will be adjusted accordingly.);

- Must maintain a 3.00 cumulative GPA.

Breakdown of Required Number of Credits

Undergraduate

Credit Hours Attempted*	Enrollment Status	Minimum Credits to Complete Each Semester
21	Full-time	16 Credits
19 – 20	Full-time	15 Credits
18	Full-time	14 Credits
17	Full-time	13 Credits
15 – 16	Full-time	12 Credits
14	Full-time	11 Credits
13	Full-time	10 Credits
12	Full-time	9 Credits
11	¾ - time	9 Credits
10	¾ - time	8 Credits
9	¾ - time	7 Credits
6 – 8	½ - time	6 Credits
Below 6 credits	Less than ½ time	MUST PASS ALL CREDITS

Graduate

Credit Hours Attempted*	Enrollment Status	Minimum Credits to Complete Each Semester
12	Full-time	9 Credits
9	Full-time	7 Credits
6-8	½ - time	6 Credits
Below 6 credits	Less than ½ time	MUST PASS ALL CREDITS

*Credit Hours Attempted: Number of credit hours enrolled after the Add/Drop period of each semester. The Add/Drop period for regular semesters ends the Tuesday AFTER the first day of classes. The Finakpo' (June–Aug.) Add/Drop period ends on the first day of each session.

»To determine the amount of credits required (75% completed with a passing grade), multiply the number of credits you are enrolled in after the Add/Drop period by .75.

Satisfactory Academic Progress Warning

Undergraduate students who fail to complete a minimum of 75% of credit hours attempted from the previous semester and/or maintain a 2.00 cumulative GPA will be placed on SAP warning for the following semester enrolled. Students will continue to receive their financial aid funds while on warning status.

Graduate students who fail to complete a minimum of 75% of credit hours attempted from the previous semester will be placed on SAP warning for the following semester enrolled. They will continue to receive their financial aid funds while on credit hour warning. If a graduate student does not meet the cumulative GPA of a 3.00 at the end of

the previous semester or is placed on academic probation by the graduate school, he or she will no longer be eligible to receive financial aid funds until he or she is off academic probation from the graduate school.

Suspension of Aid

A student's financial aid will be suspended for any of the following reasons:

1. Failure to make progress toward the minimum required cumulative GPA for two consecutive semesters (fa-nuchånan/fañomnåkan/finakpo');
2. Failure to complete a minimum of 75% of the credit hours attempted for two consecutive semesters (fa-nuchånan/fañomnåkan/finakpo');
3. Complete withdrawal from the University of Guam during the semester for which aid was received;
4. Dismissal from the University of Guam for any reason;
5. Attempting more than 186 credit hours (undergraduates) or 54 credit hours (graduates) toward their degree program without having received a bachelor's/ master's degree;
6. Failure to receive a passing grade (A, B, C, D, or P) for all of the credit hours attempted during the semester;
7. Placement on Continued Probation by the Office of Admissions & Records at the end of a semester;
8. Being in the first semester after a Dismissal or Suspension from the Office of Admissions & Records;
9. Current academic status with the Office of Admissions & Records shows any of the following: Continued Probation, Suspension, or Dismissal.
10. Not following signed Planning Agreement from the Financial Aid Office (Appeal Process).

How to Re-Establish Aid Eligibility

If a student is on suspension, he or she may submit an appeal. If the appeal is approved, he or she will receive one probationary semester with contractual performance requirements. Approval is not guaranteed, and the student will be held responsible for any debts incurred if he or she enrolls while on financial aid suspension. Financial aid eligibility may be reinstated for the semester during which the petition is approved but not for prior semester(s) that the student may have attended while on financial aid suspension.

Appeal Process

A student must submit a written petition to appeal any financial aid suspension if the student believes his or her failure to make satisfactory progress was due to special cir-

cumstances. The petition should be one legible page and address the following:

- 1) Why the student failed to meet the SAP requirements. It must list the special circumstances that impacted the student's ability to be academically successful. If it was due to an illness, accident, or death of an immediate family member, the petition should provide documentation such as death certificate, proof of a personal illness or injury, or documents that prove some special circumstance that was beyond the student's control.
- 2) What has changed. The petition must include a self-evaluation explaining what steps the student is taking to ensure his or her academic success in future semesters. If necessary, the student should provide documentation from a service provider supporting his or her ability to be academically successful.

A student should submit a petition at least 30 calendar days before the start of the term and no later than 30 calendar days before the end of the semester for which the financial aid is desired. Failure to adhere to this timeline will result in the student losing his or her right to appeal the suspension.

Appeals with mitigating circumstances must be approved by the director of the Financial Aid Office. Financial Aid advisors must prepare a briefing for the director with recommendations for the student's appeal.

All appeals should be reviewed and forwarded for approval to the director within 30 working days of the student's submission. A response on the status of the appeal to the student will be given within 45 working days after submission.

If an appeal is approved, the student will be contacted to come into the Financial Aid Office to sign a Planning Agreement. If the Planning Agreement is not followed, the student will lose his or her eligibility for financial aid and there will be no second appeal granted. The student will have to find other sources to pay for tuition and fees until he or she meets the SAP policy requirements.

For more detailed information, contact:

University of Guam Financial Aid Office
UOG Station
Mangilao, Guam 96913
Location: Calvo Field House
Tel: (671) 735-2288/87
Fax: (671) 734-2907
Email: finaid@triton.uog.edu
Website: www.uog.edu/financial-aid
School Code: 003935

VETERANS AFFAIRS CERTIFYING OFFICIAL

Eligible student veterans, reservists, and dependents can obtain educational benefits in compliance with the procedures and regulations of the U.S. Department of Veterans Affairs (VA). Eligible students can contact the VA certifying official, located at the Financial Aid Office. The office also provides basic information about educational benefits administered by the VA and also those provided by Guam law.

Every semester, after students meet with their academic advisors, the VA certifying official certifies that students are enrolled in courses that are applicable to their VA-approved degree programs. Once certified, students will receive their education benefits from the Department of Veterans Affairs.

Eligible students should contact the office by telephone, email, or mail as soon as they are admitted to the university.

Financial Aid Office
University of Guam
303 University Drive
Mangilao, Guam 96923
Tel: (671) 735-2284
Email: finaid@triton.uog.edu
Hours: 8 a.m. – 5 p.m., Monday – Thursday;
8 a.m. – 3 p.m., Friday

Course Protection Guarantee under the Veteran Benefits & Transition Act of 2018

Effective Aug. 1, 2019, the University of Guam will allow veterans under Chapter 31 (the VA Vocational Rehabilitation & Employment Program) and Chapter 33 (the Post-9/11 GI Bill) and dependents under Chapter 33TOE (Transfer of Entitlement), upon meeting matriculation requirements, to remain registered in their courses without being dropped due to unpaid tuition and fees. In order to receive this benefit, students must request to use their benefits by filling out the "Certification Request Form" and provide a copy of their "Certificate of Eligibility" or approval Form 28-1905 for Chapter 31 students. The certification forms are available at the Financial Aid Office in the Calvo Field House.

It will be the student's responsibility to pay the school any remaining balance should the student register in courses that are not on his or her approved education plan or if the student is not entitled to 100% of his or her GI Bill benefits. Students will also have the option to have any outstanding balance deducted from their Financial Aid, if available.

OFFICE OF ADMISSIONS & RECORDS

UNDERGRADUATE ADMISSIONS POLICIES AND PROCEDURES

The Office of Admissions & Records welcomes inquiries regarding admission application, transcript request, academic evaluation, enrollment verifications, registration processing, and student records. Inquiries may be made at:

Office of Admissions & Records
Location: Calvo Field House
Tel: (671) 735-2204/06/14
Fax: (671) 735-2203
Email: admitme@triton.uog.edu
Website: www.uog.edu

Application and Admission

Application and fee should be submitted as early as possible prior to the admission application deadlines listed in the Academic Calendar. Applicants are notified of admission decisions on a rolling basis. Once applications are received and evaluated by the Admissions Office, applicants are notified that they have been admitted or that their submission is incomplete. A decision to accept an application cannot be made until all required materials are on file and the application fee of \$52 and international student application with an application fee of \$77 are received. (Board of Regents Resolution No. 17-15)

To be considered for admission, applicants must submit complete and official credentials, which include complete documentation of their previous educational background. Official transcripts must be sent directly to the Office of Admissions from the issuing institution. Failure to submit official transcripts from all institutions previously attended is cause for canceling the admission process or for dismissal. All credentials presented for admission to the University of Guam become the property of the University and will not be given to or reproduced for the applicant.

Application Fees (Non-Refundable)

Entry Term	Resident	Non-Resident/ Foreign
Fanuchånan 2019	\$52	\$77
Fañomnåkan 2020	\$52	\$77
Finakpo' 2020	\$52	\$77
Tinalo' 2020	\$52	\$77

Cancellation of Admission

A student's admission to the University will be canceled if she or he fails to register for classes in the term for which she or he has been admitted. Application files are retained for one year from the date submitted, and students whose admissions have been canceled because of failure to register for the appropriate term may reapply and must meet all the current requirements for admission. Documentation on file, such as placement examination scores, transcripts, evaluations, and fees may be used for reapplication if they meet the admission requirements at the time of the reapplication and provided that the reapplication is submitted within one year of the first application.

Admission to Bachelor's Degree Programs

Admission to the University does not imply admission to the program of your choice. Specific programs may have additional requirements. Please review the information listed under your prospective college or major.

Health Requirements

All applicants and students are required to supply the Student Health Services Office with evidence of having been vaccinated against measles, mumps, and rubella (MMR) and the results of a tuberculin skin test taken no earlier than six months prior to the beginning of the entry term. Prior to the registration period, submit the documents described below in order to be eligible to enroll in classes. (NOTE: F-1 visa international applicants must submit health documents before the I-20 will be issued.)

1. Present written documentation (if born in or after 1957) of receiving a vaccination against measles, mumps, and rubella (MMR), administered after the individual was one year of age. In the case of measles and rubella, only vaccination dates during or after 1968 are acceptable. Exemptions from these immunization requirements are allowed where medically indicated or if in conflict with religious beliefs.
2. Have a PPD (Purified Protein Derivative) skin test to be sure that she or he is free of tuberculosis. (This requirement applies also to any returning student who has not enrolled for two or more regular semesters.) Students who show positive PPD results will be referred to the Guam Department of Public Health and Social Services for clearance prior to enrollment. The University reserves the right to require annual PPD testing for those foreign (I-20) students who leave Guam for places other than the United States before returning to UOG.

Right to Appeal

Applicants or former students who have been denied admission to the University and feel that extenuating circumstances exist may submit a request for appeal to the Registrar's Office for review and evaluation. Appeal forms are available at the Office of Admissions & Records.

New Student Placement Examination

All entering freshmen must take the English and Mathematics Placement Tests prior to registration. Transfer students may be exempted if an official transcript from an accredited U.S. college or university has been submitted indicating the completion with a "C" or better in the following: 1) three semester hours of college-level English for exemption from the English exam and 2) three semester hours in intermediate Algebra, college Algebra, or finite math for exemption from the math exam.

Transfer students who do not take the placement tests or who do not submit proof as previously indicated will be placed in EN-109 Introduction to College Composition.

English Placement Test results will determine appropriate English placement. Students are placed in EN-109 or EN-110.

Placement Test Scores

Any student whose English Placement Test results show deficiencies in reading or writing must enroll in EN-109 Introduction to College Composition either prior to or concurrently with her or his enrollment in other courses at the University and is classified as a transition student.

Student Identification Number

Upon admission to the University, each applicant is assigned a student identification number. This number is permanent and is used as an identifying account number throughout attendance at the University in order to record necessary data accurately. A student's Social Security Number (SSN) is used only as a secondary identifier, much like a Personal Identification Number given to bank card holders, and is used to verify various student transactions, such as registration, payment of fees, possible income tax deduction benefits, and financial aid.

Admission of New Freshmen Students

An applicant who has successfully completed high school or who has passed the General Educational Development (GED) test with a cumulative score of 45 or higher will be considered for regular admission after submitting a complete Application for Admission and supporting documents by the application deadlines as indicated in the Academic Calendar. Official transcripts must be sent directly to the Admissions Office from the issuing institution indicating date of high school graduation or proof of successful completion of the GED test.

Admission of Homeschooled Students

Homeschooled applicants who have successfully completed a curriculum equivalent to that required for graduation from high school will be considered for regular admission after submitting a complete Application for Admission and supporting documents by the application deadlines as indicated in the Academic Calendar. Official transcripts signed by a tutor or parent must be sent directly to the Admissions Office indicating the date of high school graduation. For more information, please contact the Office of Admissions & Records.

Special Students

An applicant 18 years of age or older who does not meet the requirements for regular admission as a freshman student may be admitted to the University as a "special" student. General admission requirements for the special student are the same as those listed for the freshman student. A special student who does not possess a high school diploma or GED is not eligible for federal financial aid.

The following regulations and restrictions apply to special students:

- After admission they may enroll in any lower-division course for which they are qualified.
- They will receive college credit for courses completed as special students.
- They may not be considered for graduation from any college program until they have been reclassified to regular student status.

To be reclassified as regular students, special students must qualify through one of the following steps: a) submit a high school diploma or b) submit a satisfactory score on the GED test or c) complete at least 15 credit hours with a minimum overall GPA of 2.00.

Special students must think carefully about their educational objectives before they select their first courses. If, for example, their intentions are simply to enrich their backgrounds or to refresh themselves in certain subject areas, then their enrollment in such courses will be determined on that basis. If, on the other hand, they anticipate entry into a degree program, they should seek guidance from their advisors and/or the chairpersons of the particular career programs so that the courses they select during their initial enrollment as special students will prepare them for matriculation into particular colleges and programs. In short, successful completion of 15 credit hours, even though qualifying special students for reclassification as regular students, does not necessarily qualify students for admission into particular colleges for pursuit of degree programs.

Admission of Transfer Students

Applicants are considered transfer students if they have

enrolled for any college-level coursework at another U.S. regionally accredited institution, full-time or part-time, since graduating from high school. Applicants are not considered transfer students if the only college-level classes they have taken were while enrolled in high school.

To be considered for admission, transfer students must report all previous college work and have official transcripts forwarded to the Admissions Office directly from the issuing institution. Students who have successfully completed less than 15 semester hours of college credit must have high school transcripts indicating date of graduation or proof of successful completion of the General Educational Development (GED) test sent directly to the Admissions Office from the issuing institution. Transcripts received by the University become the property of the University and will not be given to the student or reproduced under any circumstances.

Satisfactory Academic Performance

Transfer students must demonstrate satisfactory academic performance as evidenced by an overall GPA of 2.00 or better on a 4.00 scale on all college work attempted and be in good academic standing at their last institution of attendance.

Conditional Admission of Transfer Students

Transfer students who do not have a cumulative (overall) GPA of at least 2.00 or were not in good academic standing at their last institution of attendance may be admitted to the University on probation if one of the following is applicable:

- The student has an overall GPA of 1.90 or better on a 4.00 grade-point scale.
- The student has completed a total of less than 15 semester hours with an overall GPA of less than 2.00 on a 4.00 grade scale

Students admitted on conditional admission must maintain a GPA of 2.00 or better during their first semester of enrollment to be eligible for continued enrollment.

Admission of International (F and J visa and other eligible visa) Students

The University is authorized under federal law to enroll non-immigrant foreign (alien) students for degree-seeking purposes or English language training. International students are those whose entry into and stay in Guam and the United States is prescribed by and subject to the limitations of non-immigrant visas, including, but not limited to, F visas.

Prospective international applicants interested in the University of Guam should write to the Office of Admissions

at least six months before their expected date of enrollment. This is to ensure adequate time for the University to receive and evaluate all of the necessary requirements for admission. Please refer to the Academic Calendar for admission deadlines or inquire at the Office of Admissions & Records.

International students must maintain full-time enrollment (12 credits or more) during the fanuchånan (Aug.–Dec.) and fañomnåkan (Jan.–May) semesters and must maintain satisfactory academic progress with a minimum cumulative GPA of 2.00

International applicants should follow these steps:

1. Complete the international student application with a fee of \$77 (Board of Regents Resolution No. 17-15)
2. Have official high school and/or college transcript submitted from issuing institution directly to the UOG Office of Admissions & Records along with a "Release of Information and Signature" form. All transcripts must be converted to U.S. standards by one of the following U.S. evaluation companies:
 - Education Credential Evaluators Inc.: <http://www.ece.org>
 - International Education Research Foundation Inc.: <http://ierf.org>
 - World Education Services Inc.: <https://www.wes.org>
3. Submit evidence of adequate command of the English language by taking the Test of English as a Foreign Language (TOEFL) and International English Language Testing System (IELTS) tests. Otherwise, enroll in and successfully complete the UOG English Language Institute Program (See next section). Request for official scores to be sent directly to UOG's Office of Admissions & Records. Information about TOEFL may be obtained at www.ets.org/toefl and IELTS at <https://www.ielts.org>. The following scores are required for UOG acceptance:
 - TOEFL paper-based: 500
 - TOEFL computer-based: 173
 - TOEFL internet-based: 61
 - IELTS: 5.5

International students who originally received an F visa for English language training and successfully completed the UOG English Language Training as certified by ELI are not required to take the TOEFL if they apply for change of educational level to degree-seeking.

4. Submit immunization records (updated within six months for PPD and MMR 1 and 2) and "Medical History" form to Student Health Services. (See Student Health Services section.)
5. Submit copy of current passport and visa, if you are

currently under a U.S. visa.

6. Make adequate financial arrangements for the desired period of enrollment. A "Financial Support" form certified by a bank or attached with a bank statement is required. Proof of a guaranteed minimum amount of \$1,000 must be submitted for initial entry. A summary of the Cost of Attendance at UOG for non-resident students may be found at <https://www.uog.edu/financial-aid/tuition-and-fees>. Private scholarships may be available to international students based on various criteria. For more information, visit the Financial Aid Office and <http://www.uog.edu/financial-aid/types-of-financial-aid>.
7. Provide proof of medical insurance coverage that is valid on Guam. This is required to protect UOG international students from the high costs of medical care services in the United States.
8. Make arrangements for on-campus housing before arriving on campus. On-campus housing accommodation is available on a first-come, first-served basis. Detailed information may be obtained from the director of Residence Halls Life (see Student Housing and Residence Life section).
9. Upon arrival at the University of Guam, obtain an appointment as early as possible with the University Designated School Official at the Office of Admissions & Records.
10. Upon arrival at the University, take the English and Math Placement Tests (undergraduate students only). See Placement Test schedule in the application booklet.
11. Take the Sexual Misconduct Training prior to registration. For more information, contact moodlehelp@triton.uog.edu or call (671) 735-2620.

English Language Institute (ELI)

Students have the option to apply to the English Language Institute (ELI). The University of Guam recognizes that some students need specialized, intensive instruction in the English language in order to successfully complete English-medium language course work. ELI students applying strictly for English language training are not admitted to the University of Guam as degree-seeking students.

Admission of Former (Returning) Students

Former students who have not attended the University for at least one regular semester (fanuchånan and fañomnåkan) of the current academic year are required to submit an "Application for Re-Entry" to the Office of Admissions & Records at least one week before the registration period. Official transcripts from all colleges and/or universities attended during the student's non-attendance at the University of Guam are required and must be submitted directly to the Office of Admissions & Records from the issuing institution prior to re-entry review. Students who were in good academic standing

prior to their non-attendance at UOG and missed only one semester during the current academic year are eligible for an extension to submit official transcripts until the end of the first semester or term of re-enrollment.

A cumulative or overall GPA of 2.00 on a 4.00 scale is the minimum requirement for satisfactory academic performance. Therefore, returning students who do not satisfy the minimum requirement will be admitted to the University on probation and must maintain a GPA of 2.00 or better during the first semester of re-entry to be eligible for continued enrollment.

Second Baccalaureate Degree

A second baccalaureate degree may not be attempted until the first has been awarded. A student may complete two majors simultaneously. Matriculation in a second degree will be approved only if:

- The student files with the Registrar's Office a statement of approval by the dean of the college/school and the chair of the department in which she or he wishes to complete the second degree; and
- The student's major for the second degree is taken in a subject matter field other than the one in which she or he was awarded the first degree; and furthermore,
- The credit-hour requirements for the major leading to the second baccalaureate degree are those specified in the current catalog and will have been earned after the awarding of the first baccalaureate degree.

In addition, the following regulations apply:

- A minimum of 32 credit hours toward the second baccalaureate degree must be completed in residence at the University of Guam.
- Students holding a baccalaureate degree from other U.S.-accredited four-year colleges and universities or foreign equivalent may attempt a second baccalaureate degree at the University of Guam provided they meet the relevant requirements listed above.
- In some cases, the General Education requirements may be waived when the student is pursuing a second baccalaureate degree.

Admission of Non-Degree Students

The University of Guam recognizes that some mature individuals need specific courses for personal enrichment or professional advancement and do not require degree programs. The following option is for such individuals only.

An applicant who has not been a full-time secondary student for at least four years, or who is enrolled in a degree program at another institution and does not wish to enroll in a degree program at UOG, may apply for admission as a non-degree student. A non-degree student is not required to submit high school or previous college records or to take placement examinations except for entry into courses in English and

mathematics.

A maximum of 30 credits taken by a student in non-degree status can be accepted toward fulfillment of a degree program at the University of Guam if the student meets the following requirements:

- An Application for Admission for Degree-Seeking Undergraduate Students must be submitted to the Admissions Office. The student must complete all requirements for admission, as would a degree-seeking student.
- Prerequisite courses not completed while the students were in non-degree status must be satisfied before the requested courses can be applied toward a degree program.

Courses taken in non-degree status are taken at the student's risk, without regard to formal prerequisites. Non-degree students are urged to seek the advice of the course instructor. Enrollment is subject to availability of space and instructor's concurrence.

Students seeking degrees at other institutions should determine in advance whether courses taken at UOG are transferable to their receiving institution.

Undergraduate Certificate Policy (Board of Regents Resolution No. 19-15)

Certificates: Requirements and Regulations

In addition to baccalaureate and graduate degrees, the University of Guam confers certificates of completion in several programs. These are recognized academic certificate programs, duly approved by the appropriate faculty, deans, and Faculty Senate. Certificates are not conferred in University commencement exercises, but completion of certificates is recognized on official student transcripts. In order to receive a recognized academic certificate from the University of Guam, a student must complete at least half of the required credit hours at the University of Guam. This requirement will not be waived under any circumstances. Students who wish to have their certificates mailed to them must pay the postage applicable at the time they file the request.

Certificate Student Status

Students pursuing certificates must submit a special application to a specific certificate program and pay the admission fee to that program. Students not otherwise admitted to the University will be placed on certificate status. Certificate standing is valid for two years. Students must re-apply if they do not complete their requirements in this time-frame. Certificate students are responsible for payment of resident tuition rates as well as fees (registration, lab fees, etc.) and cost of books. Current students may apply for certificate status mid-way through their programs.

Admitted Students Pursuing Certificates

Students may receive a certificate while pursuing a full de-

gree program. In these instances, students must be admitted to the University of Guam as well as to the certificate program. All applicable rules (see earlier in this catalog) would apply. These students would be responsible for meeting prerequisites for all courses and all student fees.

Minimum Grade Requirement

As a condition for receiving an undergraduate certificate, students must have at least a "C" grade or better in specific courses required for the program. Certificate students will not be required to meet University English and math prerequisite requirements. They will be required to meet minimum academic standards for good standing and may be placed on academic probation.

Conferral of Certificates

Applications for certificates are filed at the Office of Admissions & Records, subject to certification from the program, respective Dean, and registrar. An application for completion of certificate must be filed and the appropriate fee must be paid by the mid-point of the semester the certificate is to be conferred. Deans with oversight of respective certificate programs will distribute certificates as they choose.

Catalog in Force

Unlike a degree program, certificate programs are governed by the current catalog in force, regardless of when the student began taking courses. Course substitutions will be allowed at the faculty's discretion. Courses applied toward a certificate may later be applied toward a degree, following the procedures for transfer credits.

Advanced High School Program (Board of Regents Resolution No. 09-14)

The following provisions shall govern the conduct of the Advanced High School Program:

1. The scholarship shall be awarded to qualified high school students who are within one year of graduation and enrolled in eligible high schools on Guam; and
2. The student must be a resident of Guam for a continuous period of not less than one year immediately preceding June 15 of the year the award is to be awarded.
3. The student must have an overall academic GPA of at least a 3.0 (B) in his/her high school (10th to 12th grade) studies; and
4. The student must take the UOG Placement Examination and be placed in college-level English or math;
 - This requirement may be waived for students who participate in special programs.
5. The student must provide a written recommendation from his/her high school counselor or principal; and
6. The student must provide written approval from his/her parents or legal guardian to attend the University of Guam;

7. The student must have the UOG class schedule approved by high school counselor prior to registration; and
8. The student must provide a copy of his/her senior high school class schedule for the term;
9. The student must follow all academic policies, rules, and regulations applicable (see UOG Catalog for details);
10. The student must complete all student admission requirements of the University of Guam.
11. The student must follow all UOG academic policies, rules, and regulations related to course prerequisites and enrollment in lower and upper division courses. High school students are not eligible to enroll in upper division courses.
12. The award shall cover tuition (up to six credit hours) and shall be a direct credit to the student's account at the UOG Business Office. (NOTE: The six credits may be taken during separate semesters, not including the tinalo' (Dec.–Jan) semester.)
13. The award shall cover only the equivalent of one semester of part-time attendance of the University of Guam, i.e., six credits.
14. Recipients under this program shall maintain a 3.0 cumulative GPA for courses for which they are registered under this program.
15. Recipients under this program are obligated to reimburse the University of Guam for tuition if the student fails to maintain a 3.0 cumulative GPA.
16. Benefits are subject to the availability of funding.

National Student Exchange

Students may opt to study abroad and experience new places, ideas, and cultures through the National Student Exchange. The National Student Exchange provides a unique and exciting opportunity for study over the course of a semester, a summer, or an academic year at one or more of nearly 200 institutions in the United States, Canada, Guam, Puerto Rico, and the U.S. Virgin Islands.

Students go on exchanges for many reasons, including:

- Taking courses not available on their home campuses
- Enhancing personal growth and independence
- Spending time in a different region
- Immersing themselves in diverse cultural settings
- Engaging in research

For more information, contact:

Marlene Leon Guerrero
 Program Coordinator
 Tel: (671) 735-2201 Fax: (671) 735-2203
 Email: mslg@triton.uog.edu

Admission for Senior Citizens

Anyone age 55 years or older is entitled to free tuition during the regular semester at the University of Guam, provided that he/she be a resident of Guam for no less than five years preceding enrollment (Public Law No. 24-151) and provided that he or she has been admitted to the University. Admissions into a course shall be on a space-available basis or, if a course is full, by permission of the instructor(s). Senior citizens may apply for admission as a degree-seeking student or as a non-degree student. Registration is scheduled after the Schedule Adjustment (Add/Drop) Period of any regular (fanuchãnan or fañom-nãkan) semester. Payment of fees for each semester must be paid by the assigned payment deadline. However, a senior citizen may enroll during any registration period provided he/she registers on the assigned registration for her/his class level and provided he/she pays the required tuition and fees.

NOTE: Because all intersession and summer classes are offered on a self-sustaining basis, there will be no senior citizen tuition waiver for tinalo' (Dec.–Jan.) and finakpo' (June–Aug.) classes or courses offered outside the regular semester. There are no waivers for courses or programs offered through the Professional & International Programs office. For assistance, contact the assigned coordinator at the Records Office. All admissions and enrollment requirements apply.

Military and Veteran Students

Veterans and Montgomery GI Bill

All branches of the military and the National Guard provide financial assistance to their personnel — whether active or reserve status —and their dependents. The financial assistance covers a portion of the tuition, fees, books, and supplies (up to \$1,000 per academic year based on enrollment status and eligibility percentage). Not all branches nor services provide the same benefits. Contact the Financial Aid Office for more information or to file an application.

Veterans Educational Assistance Act

(Board of Regents Resolution No. 12-16)

The University of Guam may grant resident status for tuition purposes to certain students eligible for education benefits under the Post-9/11 Veterans Educational Assistance Act of 2010 (PI 111-377).

Credits for Active Duty Military Personnel

All active duty military personnel as well as veterans with more than one year of service are encouraged to go to the Office of Admissions & Records for information concerning credit granted for military service. The University of Guam is a member of Service Members Opportunity Colleges (SOC and SOC-NAV), which insures transferability of selected credits among member institutions.

Military Activation During Wartime or for Mandatory Training

The University offers a refund of tuition and fees and official withdrawal from classes for active duty military students who are asked to serve their country by deployment during wartime or for mandatory military training while enrolled in a given semester. As an alternative to refunds, students may opt for credit against future enrollment or request an incomplete grade ("I") from their respective instructors (subject to instructor approval). Students will be required to provide to the Registrar's Office and the Business Office written proof of active military status and deployment and indicate whether a refund or credit is preferred.

REGISTRATION

Academic Advisement

Although the academic advising of students may occur throughout the academic year, it is especially important prior to registration for classes. Students are urged to contact an advisor as soon as the Course Schedule is available to discuss course prerequisites, the requirements of their academic programs, and the courses offered in the current Schedule of Course Offerings. Advisor assignments are issued at your college/school Dean's Office. Students with undeclared academic majors receive assistance from the Student Counseling. Instructions on how to register are a part of the published and web-based Schedule of Course Offerings for each academic term.

There are three registration periods:

- **Early Registration** (Registration by class level)
Continuing or returning students register on assigned days/times based upon their class level (freshman, sophomore, junior, senior, graduate, etc.) Class level is based on credit hours earned.
- **Open Registration**
All class levels may register during this time period. New students may register only on assigned days.
- **Schedule Adjustment (Drop and Add) Period**

Changes in Course Schedule

A registered student may drop and/or add courses with the prior approval of her or his academic advisor as required. Such changes may be made before the first day of weekday classes without additional charge or cancellation fee. Students may also change their class schedules during the Schedule Adjustment Period, and the cancellation fee schedule (per transaction) for dropping courses will apply. Ordinarily, no course may be added or changed after the designated date, although withdrawal from courses is permitted within the limits indicated in the section entitled Withdrawal Policy.

Resident and Non-Resident Students

An applicant is initially classified as a resident or non-resident for tuition purposes at the time of application with the Office of Admissions. The classification, which is certified by the registrar, is based upon information furnished by the student and from other relevant sources. In compliance with the Residency Policy passed by the Board of Regents on February 1996 and amended in May 1997, June 2004, and December 2012, students in non-resident status are required to pay non-resident tuition.

The burden of proof is upon the student making a claim of resident status. The admission of students who knowingly provide false information for the purpose of achieving resident status shall be subject to cancellation and adjusted billing.

The considerations used in determining residency status are as follows:

1. Establishment of a domicile on Guam, the Northern Mariana Islands, or in one of the Freely Associated States (the Federated States of Micronesia, the Marshall Islands, or Palau) as mandated by 17GC16125 for the 12-month period prior to the beginning of the term for which residency is claimed
2. Evidence of residency for a period of 12 months or more prior to the beginning of the term for which residency is claimed. Evidence of residency will be shown by a student providing documentation from one of the following¹:
 - Permanent employment on Guam (verification of employment)
 - Payment of income taxes of Guam (by student, or by parent/guardian if the student is a dependent)
 - Ownership or rental of living quarters on Guam
 - Use of a Guam permanent address on ALL records (educational, employment, military, financial)
 - Being a registered voter in Guam
 - Maintaining a Guam driver's license or vehicle registration. If it is necessary to change your license or registration while temporarily residing in another location, the license MUST be changed back to Guam within 10 days of the date of return to Guam, and the vehicle registration must be changed within 20 days of the date of return.
 - Certification of residency from your village mayor.
3. Adjustment to permanent resident status. Students who have filed for an Adjustment to Permanent Resident Status will be eligible for resident rate ONLY if they have resided on Guam for 12 consecutive

months prior to applying to the University and have submitted the following supporting documents:

- Notice of Action for the Adjustment to Permanent Resident Status from the U.S. Citizenship and Immigrations Service. A Notice of Action denying the student's application for an Adjustment to Permanent Resident Status will render the student ineligible for resident tuition rate.
- Proof of residency on Guam for the 12 months prior to applying to the University.

¹Exemptions to the 12-Month Residency Requirement

Resident classification may apply if the applicant is one of the following:

- **A graduate of a Guam high school**
You may be entitled to an exemption from non-resident tuition if you have not resided on Guam for the preceding 12 months but previously attended high school in Guam for three or more years AND graduated from a Guam high school. Nonimmigrant aliens are not eligible for this exemption.
- **A former elementary or middle school student on Guam**
You may be entitled to an exemption from nonresident tuition if you have not resided on Guam for the preceding 12 months but previously attended both elementary AND middle school on Guam. Nonimmigrant aliens are not eligible for this exemption.
- **Active duty military**
U.S. military personnel and their authorized dependents (as defined by the Armed Services) are authorized resident tuition during the period such personnel are stationed in Guam on active duty. (Note: This exception does not apply to employees of other U.S. federal government departments, bureaus, or agencies or their dependents who are assigned or stationed to Guam.)
- **A legal resident of Guam**
You may be entitled to an exemption from non-resident tuition if you are able to demonstrate to the registrar that Guam is your legal place of residency and you intend to make Guam your permanent place of residency.
- **A permanent resident**
You may be entitled to an exemption from nonresident tuition if you are able to demonstrate that you permanently reside in Guam, but have been absent for only educational, training, or military reasons.

Nonimmigrant Aliens

Nonimmigrant aliens, e.g. B, F, H, and E visa holders, are classified as non-residents and are not qualified for resident tuition rates or exemptions.

Classification Appeal

If you are classified as a non-resident and wish to be considered for resident reclassification, complete the "Petition for Residency Student Classification" before the semester or term you wish to enroll. Approved changes of status will become effective for the term or semester following the approval; they are not retroactive and non-refundable.

Withdrawal Policy

Administrative Drop

Students are responsible for registering only for those courses for which they have met the stated prerequisites. Students who register for classes without the proper prerequisite courses or exemption from the prerequisites will be administratively dropped. Students are administratively dropped after the refund period are not eligible for a refund of tuition or fees.

Student-Initiated Schedule Adjustment (Add/Drop)

Students may drop from a class or classes during the first week of instruction of a regular semester and the first day of a finakpo' (June–Aug.) session without anything being recorded on their transcripts. (See Cancellation Fee section for applicable charges.)

Student-Initiated Official Withdrawal

From the second through the eighth week of instruction of a regular semester and from the second day of classes for each finakpo' (June–Aug.) session through the third week of each finakpo' session, students may withdraw by filing a withdrawal form in the Records Office. This form must be signed by the student's advisor. A "W" (indicating an official withdrawal) will be recorded on the student's academic transcript. If students fail to file the withdrawal form and do not attend the class, a "UW" (Unofficial Withdrawal) will be recorded. The "UW" will be calculated in the GPA in the same way as an "F." (See Cancellation Fee section for applicable charges.)

After the eighth week of instruction of a regular semester and after the third week of a finakpo' (June–Aug.) session, students may NOT withdraw from individual courses without submitting to the Records Office a Petition to Withdraw form that has been approved by the class instructor and the student's advisor. Students requesting a complete withdrawal from the University must file a withdrawal form available at the Records Office and obtain the required signatures. (See Cancellation Fee section for applicable charges.)

Unofficial Withdrawal

When students leave the University or stop attending a class without requesting an official withdrawal according to this regulation, the administrative mark "UW" will be recorded unless the instructor submits an academic grade. For GPA purposes, a UW is regarded as an "F" grade. All tuition and fees apply.

Cancellation of Registration

If tuition has not been paid nor arrangements made with the Financial Aid and Bursars' Office by the deadline for payments, the student's registration will be cancelled with no refunds and students will be obligated to pay outstanding balance.

Transfer of College-Level Credit

Transfer students' transcripts must be forwarded by the registrar of the institution previously attended directly to the registrar at the University of Guam. Determination of acceptable courses and credit hours from other institutions and the particular courses that will apply toward the completion of the student's program will be made by the registrar of the University of Guam. The major program faculty and relevant dean may recommend course equivalencies for major or upper-level courses. For other courses, the discipline faculty, dean, or General Education Committee may recommend equivalencies.

All degree-level courses completed at any university, along with their grades, will be recorded on the University of Guam transcript with the credits accepted for transfer indicated. The recording procedures will be determined by the Office of Admission and Records, and an effort will be made to provide information for academic advisement as soon as possible.

Credits earned from other institutions are evaluated for transfer on the basis of a minimum grade of "C" and the maximum number of credit hours allowed is assigned on this basis.

A student's cumulative grade-point standing at the University will, at any time, be based on all academic work attempted at the University of Guam and at the institution(s) from which the student transferred.

Students requesting evaluation of credits from unaccredited institutions (those not listed in directories such as Accredited Institutions of Post- Secondary Education) must submit a copy of the school catalog and, if necessary, supportive information from the school's registrar in order to have their credits evaluated. Credit acceptance will be based on the recommendations of the University of Guam department offering similar courses (after the unit is requested by the Office of Admissions & Records to evaluate the credits.) The registrar's decision is final. Furthermore, students must earn 30 semester hours at the University before an evaluation can be made.

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.

See the last pages of this catalog for details on articulation agreements with regional community colleges.

USAFI and Correspondence Courses

The number of credit hours earned either in the U.S. Armed Forces Institute (USAFI) and/or in correspondence courses that may be applied toward a degree at the University of Guam is restricted only by the following policies:

- Correspondence credits must have been earned from an accredited college or university.
- Those USAFI and correspondence courses submitted to the University of Guam as transfer credits may be applied toward major or minor program requirements when approved by the college school in which the degree program is offered; and
- Credit hours from these sources cannot be substituted for those credit hours to be earned at the University as part of the residency requirements of the University of Guam.

College Level Examination Program (CLEP) Tests

The University of Guam also recognizes and accepts general sections of the College Level Examination Program (CLEP) Tests. The CLEP general examination in English will be accepted for the University of Guam course equivalent (middle column below) if the student's score reported by ETS reaches or exceeds the listed percentile ranks:

- 35th to 49th percentile: EN-110 – 3 credit hours

The University of Guam will also accept the following CLEP subject examinations for credit if the student's score reported by ETS reaches or exceeds the listed percentile ranks:

Titles	Required Percentile	UOG Equivalent
Law and Ethics in Business and Government	50	LW-442
Principles of Management	50	BA-240
Principles of Marketing	50	BA-260
Introduction to Educational Psychology	50	ED-300
Human Growth and Development	50	ED-201

Other subject examinations will be evaluated individually. Information regarding the General Education requirements that can be met through CLEP, the minimum required scores, and the amount of credit granted is available at the Office of Admissions & Records. Credit from these examinations may also be used to fulfill course requirements in major areas with departmental approval.

Defense Activities for Non-Traditional Education Support (DANTES) Examinations

The University of Guam will accept the DANTES subject examinations in the following courses (left column) for the University of Guam equivalent listed beside it if the student's score reaches or exceeds the 40th percentile rank for that test as reported by ETS:

- Freshman Composition EN-110 3 credit hours
- Writing for Research EN-111 3 credit hours

The University will also accept the following DANTES subject examinations for credit if the student's score reported by ETS reaches or exceeds the 50th percentile rank:

Numbers	Titles	UOG Equivalent
SB-433	Statistics	MA-385 Statistics
SA-960	Quality Control I	MA-385 Statistics
SB-453-4	Principles of Economics I & II	BA-110 Principles of Economics
SA-497	Introduction to Law	LW-101 Introduction to Criminal Justice
SA-525	Principles of Accounting	BA-200 Principles of Financial Accounting
SB-533	Law and Ethics in Business and Government	LW-442 Business Law I
SB-534	Business Law II	LW-443 Business Law II
SA-539 & SB-543	Principles of Management & Introduction to Business	BA-240 Management of Organizations
SA-548	Money and Banking	BA-321 Money and Banking
SA-549	Marketing	BA-260 Fundamentals of Marketing

Policy Governing Continuing Education Units

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

1. CEU credit is for career enrichment/advancement. At no time will CEU credit, by itself, be equivalent to regular credit. 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 the senior vice president of academic and student affairs.
2. CEU contact hours can be structured within a regular credit course, provided that the 10 contact hours to one CEU equivalency is maintained. CEUs are awarded on a pass/fail basis. Letter grades are not used, as the goal of the CEU experience is learning enrichment/advancement and not mastery of scholarly material.
3. CEU programs will be governed by the same standards that the University of Guam imposes on regular programs. The University of Guam will have direct quality and fiscal control over all CEU activity within the institution.
4. 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 these six items:

1. One CEU is defined as 10 contact hours of participation in an organized continuing education experience, under responsible sponsorship, capable direction, and qualified instructors.
2. 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. CEUs may be integrated into regular credit course work but must be approved on a course-by-course basis by the appropriate college academic affairs committee.
3. Permanent records for individual participants in CE programs will be kept.
4. Course fees will be negotiated between the requesting agency or individuals and the University.
5. Implementation of all continuing education programs will be in accordance with the criteria and guidelines of the University of Guam.
6. Review, evaluation, and approval of CEUs for an

educational experience are the responsibility of the director of Professional & International Programs. Contact (671) 735-2600.

ACADEMIC RULES AND REGULATIONS

Credit Hours, Class Loads, and Class Levels

Credit Hours

In general, each credit unit or hour represents one hour per week in class a (face-to-face or online) and two hours in preparation. Under special circumstances, courses may be offered with reduced credit value per clock hour spent in the classroom. For example, courses involving laboratory activity or other applications, such as Nursing Clinical, normally require more hours of class or clinical attendance than is reflected in the number of credit hours given.

Normal Class Load (Number of Credit Hours)

The normal class load for a student is from 12 to 18 credit hours per regular semester and six credit hours per finakpo' (June–Aug.) session (A, B, C). A combination of a three-credit course and a four-credit laboratory plus lecture course, for a total of seven credits, will be considered a permissible exception to the six-credit normal class load for a student during finakpo' sessions A, B, and C. A full-time student is defined as one registered for at least 12 credits during both fanuchānan (Aug.–Dec.) and fañom-nākan (Jan.–Dec.) semesters.

Overload (Additional Credit Hours)

Students must have accumulated at least 15 credit hours before he or she will be permitted to enroll beyond the normal class load. A student who has earned more than 15, but less than 60, credits and is making satisfactory progress may carry an overload up to a total of 19–21 semester hours provided he or she has submitted the "Request for Class Overload" form to the registrar and has the approval of his or her academic advisor indicated. A student who has completed 60 credits or more and is making satisfactory progress may carry an overload up to a total of 22–24 semester hours provided he or she has submitted the "Request for Class Overload" form to the registrar with approval by her or his academic advisor and the dean of the student's college or school. Class overload may include special projects, conference courses, and continuing education courses.

Excess Credits

Credit taken in excess of the 24-credit maximum per regular semester/18-credit maximum per finakpo' term or credits taken over the normal load without official authorization will not be granted or recorded as earned credit. Under these conditions, the hours for which credit will not be granted will be those with the latest enrollment date which constituted the overload.

Class Levels

A student's class level is determined on the basis of credit hours earned as follows:

- Freshman: 1–30 credits, inclusive
- Sophomore: 31–60 credits, inclusive
- Junior: 61–90 credits, inclusive
- Senior: 91+ credits

Grades, Grade Points, and GPAs

Academic Records

The Office of Admissions & Records maintains the official academic records on all students. Prior to presentation to the faculty for vote on the conferring of degrees, the qualifications of degree candidates are checked against the official record. The Records Office also maintains the official roster of students; records of academic probation, suspensions and dismissals; records of honors; and all other academic records.

Grades

Grades are given in a course by the instructor as recognition of certain degrees of accomplishment. Grade points /quality points (for computing averages) are assigned to grades as follows:

Letter Grade	Grade Point Value	Definition
A+	4.00	Outstanding Honors-level performance with superior quality and extraordinary distinction
A	4.00	
A-	3.67	
B+	3.33	Good Solid accomplishment, indicating a substantial mastery of course materials and a good command of skills required by the course.
B	3.00	
B-	2.67	
C+	2.33	Adequate Students have achieved the level of competency needed for advancing to a subsequent course that has this course as prerequisite.
C	2.00	
D	1.00	Deficient Minimal passing, but not adequate to take a subsequent course that has this course as prerequisite.
F	0.00	Failure Inadequate to receive credits.

Letter Grade	Grade Point Value	Definition
P		Pass
I		Incomplete
NC		No Credit

The letter grades A, B, C, D, and F (and I) must be used in every course unless specified otherwise in the official catalog course description. (In some courses, the specified grades are A, P, F, or NC. The grade NC is not used in most courses). Other symbols, assigned by the Office of Admissions & Records, are administrative and do not evaluate academic work: "W" – Official Withdrawal; "UW" – Unofficial Withdrawal (Note: For GPA calculation, "UW" is treated as an "F" grade); "CW" – Credit Withheld.

Many programs require different levels of attainment to remain in good standing. Check details with your academic advisor or dean's office.

The grade report may be requested at the Office of Admissions & Records with photo identification two regular office days after the deadline for faculty to submit grades. Students may also review their grades using WebAdvisor.

Grade-Point Average (GPA)

A GPA is computed from the credit hours of all courses (100-level or above) for which conventional grades are reported. (The grade "NC" is not used in these computations.) The GPA is determined by dividing the total number of grade points by the total number of credit hours attempted for which a letter grade of A, B, C, D, or F, including pluses and minuses, has been assigned. The GPA is calculated to three decimal places and is not rounded. GPA averages listed in these regulations are cut-off points and not measurements.

A student's cumulative grade-point standing at the University will, at any time, be based on all academic work attempted at the University of Guam and at the institution(s) from which the student transferred credit.

Minimum Grade-Point Average Requirements

Students are required to maintain a minimum GPA of 2.000. Certain courses, such as developmental English courses, are not included in this average, as the credits are not counted toward any degree. (Note: Developmental English is no longer offered effective Fanuchãnan 2017.) (See probation, suspension, dismissal for failure to maintain minimum GPA.)

The business administration degree programs (BBA and BBAA) require students have at least a 2.7 GPA to take upper-division coursework in the General Business pathway; or at least a 3.3 GPA to take upper-division coursework in the Business Professional pathway; or at least a 3.7 GPA

to take upper-division coursework in the Business Honors pathway. Students in the BBAA degree program must have at least a 3.0 GPA in all accounting major courses and a cumulative 3.0 GPA overall. For BBA, BSCJ, and BSPA degree programs, students must earn a grade of "C" or better in their major required coursework to include Foundation requirements. More information on BBA pathways are described in the relevant section of the School of Business & Public Administration degree program later in this catalog.

The nursing program requires a minimum GPA of 2.70 for program in good standing in both support and major courses.

Grades for Graduating Students

Once final grades for graduating students have been submitted, no change may be made in the grade except in the case of a clerical error, which must be attested to in writing by the instructor with the concurrence of the dean and approved by the registrar.

Graduation with Honors

Graduating seniors completing their first baccalaureate degree are recognized for academic achievement at commencement ceremonies each year. The appropriate Latin term, below, indicating the degree of achievement is inscribed on the graduate's diploma and specified in the official transcripts.

Transfer students must earn at least half (62) of the total credit hour required (124) at the University of Guam with letter grades in order to be eligible for honors at graduation. Courses graded Pass/Fail/No Credit will not be included in the required minimum.

- Summa Cum Laude 3.900 or higher cumulative GPA
- Magna Cum Laude: 3.700 to 3.899 cumulative GPA
- Cum Laude: 3.500 to 3.699 cumulative GPA

President's List and Dean's List

Full-time undergraduate students who are seeking their first baccalaureate degree and achieve at least a 3.500 GPA (GPA) for all coursework completed during an academic term are listed on the Dean's List of their respective colleges. In order to qualify for the Dean's List, an undergraduate student must complete at least 12 credit hours that carry letter grades only (i.e., A, B, C, D). In order to qualify for the President's List, an undergraduate student must complete at least 12 credit hours that carry letter grades only (i.e., A, B, C, D, including pluses and minuses) and have a 4.000 GPA for that semester. In addition, students may not have any "I" grades on their record when grades are posted for the semester.

Regent Scholar

The undergraduate must be a full-time student and a permanent resident of Guam for five years prior to becoming a Regent Scholar. To qualify the student must have

been placed on the Dean's List or President's List for two consecutive regular semesters (does not include tinalo' or finakpo' sessions). 1) A Regent Scholar who has failed to be named to the Dean's List or President's List for two semesters shall forfeit the award. He/she may be reinstated if placed again on the Dean's List or President's List for two consecutive semesters.

A Regent Scholar may receive a partial or full waiver of tuition and fees (subject to availability of funds) in accordance with the combined GPA for two consecutive semesters approved under the Board of Regents. Contact the Financial Aid Office for more information.

Grade Changes from Incomplete (Letter Grades of "I")

An "I" may be given to a student who has failed to complete a small, but important, part of the course if the reasons for the incomplete are justified by the instructor and the dean. The appropriate incomplete form must be completed and signed by the dean before the incomplete can be assigned to the student. The "Incomplete" form remains on file in the Dean's Office. To receive credit for an undergraduate course marked "I," the student must satisfactorily complete the unfinished work by the last day of classes of the following regular semester after the incomplete grade was issued. The faculty will issue a grade following normal timelines.

Should the student fail to complete the specified work to the satisfaction of the instructor, no credit will be recorded and the symbol "I" will be changed to an "F" on her or his record. No requests for time extension will be accepted.

In exception to this policy on "Incomplete": 1) For those courses that do not use the "F" grade, the equivalent non-credit grade will be assigned, and 2) All grades of "Incomplete" must be resolved prior to certification for graduation. If a student who is applying for graduation has an unresolved "Incomplete" at the time that the registrar certifies their eligibility for graduation, the "I" will be changed to an "F" or equivalent non-credit grade and used in the final GPA calculation.

Other Grade Changes

Grade change requests or appeals on the basis of additional academic course work submitted after the official issuance to the registrar of a grade for the course will not be considered. No grades other than the "I" will be changed on the student's permanent record except under the specific conditions listed below, where errors of a technical or clerical nature, problems with the instructor's grading, or problems in the recording of administrative symbols such as "UW" have occurred:

- When certified by the instructor and by the registrar as a technical or clerical error; or
- When the decision reached through the completed grievance process as outlined in the "Procedure for Solution of Problems of Student Academic Rights in

the Student Handbook" specifies that the grade is to be changed (this grievance procedure is to be used in problems between the student and the instructor concerning grading); or

- When an appeal for a grade change because of problems related to the recording of administrative symbols that are not actually grades, such as "UW," in the Office of Admissions & Records is approved by the senior vice president of academic and student affairs (the appeals procedure is used in these situations).

The official action specifying a grade change under the three conditions stated above must be submitted in writing to the registrar who will complete the necessary revisions on the permanent record card.

Honors Program

The University of Guam Honors Program provides enriched learning opportunities for academically outstanding and intellectually ambitious students. The program is particularly interested in engaging the intellects and imaginations of students who enjoy reading; students who like to participate actively in small, seminar-type classes; and students who enjoy the benefits of working closely with faculty mentors to pursue independent study and research. It is important to note that the purpose of the Honors Program is to enrich, not to accelerate. While honors courses are more challenging than regular courses, they do not involve a significantly greater amount of assigned work. Because the goal of honors courses is to enrich, not to replace, the regular curriculum, students are able to integrate honors with the remainder of their academic programs.

All fully matriculated undergraduate students with at least a 3.000 GPA may enroll in as many as nine semester hours of honors courses (designated by an "H"). After completing nine semester hours of honors courses, a student must apply for acceptance as an Honors Student in order to continue in the Honors Program. To be accepted as an Honors Student, a student must have, at the time of application, a minimum GPA of 3.000. Once accepted as an Honors Student, the student must maintain a GPA of 3.300.

Honors Listing on Transcript

Students who complete less than 15 semester hours of honors study will have honors courses designated on their transcript with "H" following the course number.

Contracting for Honors Credit in Regular Courses

Students may contract for up to nine semester hours of lower-level honors credit and three semester hours of upper-level honors credit in regular courses. To contract for honors credit in a regular course, students must negotiate the terms of the contract with the instructor of the course and submit the properly completed form to the registrar for approval.

Who May Enroll in Honors

- All fully matriculated undergraduate students
- All incoming freshmen with a high school average of "B" or better
- All Merit Scholarship recipients and Dean's List students
- Faculty-recommended students
- Students qualifying for advanced placement are offered advanced placement in honors.
- Students recommended by currently enrolled honors students

Honors Course Registration

Honors courses are listed in the schedule with the letter "H" following the course number. Students wishing to enroll in honors courses should see the dean of their respective school or college and/or check with their honors advisor or the director of the Honors Program.

Developmental Courses

Developmental Mathematics: MA-085a-b or MA-089 Lecture. The Fundamentals of Mathematics course is designed to provide the background necessary for advancement in mathematics and success in all disciplines. Placement into this course is determined by the Mathematics Placement Test.

NOTE: Placement in Developmental Mathematics is determined by scores on the UOG Placement Test. Students placed into this course should seek appropriate advisement when choosing other courses.

Application for Enrollment as an Auditor

Auditor (Special)

A person 18 years of age or older and not currently enrolled in high school may attend undergraduate courses at the University as a special auditor if the person has not been admitted to the University or is not currently enrolled at the University. Since the person is not officially enrolled at the University, he or she is not required to pay application, registration, or other fees, nor is his or her name (or the course) recorded in the Office of Admissions & Records. The person receives no credit for such courses. He or she, however, is required to pay a fee equivalent to the tuition rate. A special auditor may make application to audit a course provided he or she:

- Procures the "Special Auditor" form from the Records Office;
- Secures the signature of the instructor of the course;
- Takes the signed form to the Business Office and pays the prescribed special auditor's fee; and
- Presents the Business Office receipt to the instructor of the course as her or his admission to the class.

NOTE: Special auditors, since they are not admitted to or registered at the University, may not change their status from audit to credit once they have paid the special auditor fee.

Auditors (Regular)

A student who is regularly enrolled at the University may apply to attend classes without credit as a regular auditor. The auditor's participation in class will be as restricted or as extensive as the instructor shall indicate to the student. A regular auditor may apply to audit a course provided he or she:

- Completes the "Application for Enrollment as an Auditor" available at the Office of Admissions & Records;
- Obtains a written permission of the instructor (write "audit" in the place of "credits hours" on the advisement and registration form);
- Pays a fee equivalent to the tuition rate and registration fees;
- Obtains the signatures of his or her advisor or the department head of her or his major and the instructor of the course(s).

A student may not change a course from "credit" to "audit" status after the first four weeks of a regular semester (or after the first week of a summer session), nor change a course from "audit" to "credit" status after the first three weeks of a regular semester (or after the first week of a 'finakpo' term).

Degrees: Requirements and Regulations

Residence Requirement

In order to receive a baccalaureate degree from the University of Guam, a student must complete at least 32 credit hours for the degree in residence at the University of Guam. The residence requirements will not be waived under any circumstances. A student who is no longer in residence at the University of Guam may request to be graduated in absentia. In this situation, no more than 16 semester hours of the last 28 semester hours attempted may be completed in absentia. In absentia credit hours must be completed over the next two consecutive semesters following departure for UOG. Diplomas for those graduating in absentia are filed at the Office of Admissions & Records. Graduates who wish to have their diplomas mailed to them must pay the postage applicable at the time they file the request.

Minimum GPA Requirement

As a condition for meeting graduation requirements of the University, students must have at least the minimum overall GPA prescribed by the particular college, which in no case is lower than 2.000, and must have at least a 2.000 ("C") average or better in specific courses required for the major; or a "C" or better in specific courses required for the

major if their college or program so requires. (See Grades, Grade Changes, Grade Points, and GPAs section.)

A student's cumulative grade-point standing at the University will, at any time, be based on all academic work attempted at the University of Guam and at the institution(s) from which the student transferred.

Credit Hour Requirement

A minimum of 124 credit hours must be completed for the baccalaureate degree and must include 40 upper-division credits. (See Transfer credit for specific information about upper-division credits for transfer students.)

Degree/Graduation Requirements

Degree requirements or graduation requirements means all courses and credits needed to graduate, including general education requirements, college requirements, university-wide requirements and major course requirements. If a second concurrent major is attempted by the student, courses acceptable for the general education requirement for the first major may be used to satisfy requirements in the second major, but credits will not be counted twice. Students will not be allowed to participate in the University of Guam commencement ceremony if they have not been officially certified by the Registrar as completing all program and degree requirements.

Outstanding Balance

If a student's financial obligations have not been met, the Office of Admissions & Records will not release transcripts, diploma, or other official records of the student, and the student will not be permitted to register for further courses.

Academic Evaluation

An academic evaluation considers all required courses and credit hours and determines which have been completed and which have not. After successful completion of approximately one-half (60) of the credit hours required for the baccalaureate degree, a student may request an academic evaluation at the Records Office. (For information about transfer credit, see Policies about Academic Credit Transfer).

Application for Degree (Request for Graduation)

An application for degree must be filed and fee must be paid early in the semester prior to the semester in which the student plans to complete. Should the student fail to file this request for graduation at the Records Office, the necessary steps preparatory to official awarding of the degree will not be taken, and the actual awarding of the degree may be delayed. If a student fails to complete degree requirements, after having filed the application, he or she must then submit a new application and pay the graduation re-application fee.

Diplomas include the following information:

- Student's name (first, middle, and last), degree, and major

- University honors for qualifying students
- Diplomas DO NOT include minors. Minors will be officially included on official record (transcript).
- Double-major degrees are listed on one diploma; however, a student may request and make payment for a separate diploma for each degree.

Program Requirements (Catalog in Force) for Graduation

Students will be allowed 10 calendar years of continuous enrollment, from their first enrollment at the University of Guam to the date of certification of completion of degree requirements for the major, to fulfill degree requirements of the catalog in force at the time of entrance. The student must meet all requirements of the catalog in force at the time of initial enrollment. The initial 10-year timeline and catalog will be dated from the time when either of the following two situations occurs:

- A student returns after not attending the University of Guam for two consecutive regular semesters. (Finakpo' sessions are not regular semesters.)
- A student changes majors by filing a "Change of Major" form filed with the Office of Admissions & Records (except as indicated below).

Election to Change Catalog in Force

- Students may elect to change the catalog in force from the one in force at the time of their initial admission to the one in force at the time they request such a change. The 10-year timeline will be dated from the time of the request.
- Students who enter as undeclared majors may choose the catalog in force at the time of their initial admission to the University or the one in force at the time they declare a major. The 10-year timeline will be dated either from the time of first admission or from the time a major is declared, whichever one the student chooses.

Substitutions of Courses or Major if No Longer Available

Students should be aware that the University of Guam does not guarantee that all courses or all programs (majors) will continue to be offered during the 10-year period permitted to fulfill graduation requirements under a given catalog. Suitable course substitutions will be made in consultation with the student's major advisor for courses fulfilling the major requirements. For courses meeting general education requirements, the Course Substitution Request procedure will initiate a review and consideration in these cases. If a major no longer exists, the student may 1) select another major from the catalog in force and must complete the requirements with the time specified for that plan; or 2) select a major from the catalog in force at the time of change, thereby establishing a new timeline.

Assessment of Core Competencies

As an administrative requirement for undergraduate graduation and to comply with accreditation requirements, the University will conduct an assessment of student core competencies (e.g., written communication, oral communication, quantitative reasoning, critical thinking, and information literacy). These assessments will provide the University with information directly from students to help improve curriculum and student success with the mastery of these core competencies. Individual results will be kept confidential and will not be publicly reported. The results of these assessments will not be used to influence or impact any grade for any of the classes a student takes; however, the results will be a requirement for graduation. Transcripts and diploma will not be released until such requirements are met.

Questions regarding this administrative requirement may be addressed to the Office of Institutional Effectiveness. Tel: (671) 735-2646 / Email: oie@triton.uog.edu. If you would like to request for accommodations when taking these assessments, contact Senior Academic Counselor Sallie Sablan at least two weeks prior to testing. Tel: (671) 735-2460 / Email: sssablan@triton.uog.edu.

Course Prerequisites and Course Credit

English Prerequisite

Students are not permitted to enroll in 300- or 400-level courses until they have completed EN-111 with a grade of "C" or better. A few courses exempt from this policy are noted below. (Enrollment in a course that is not exempt will result in disenrollment from that course without refund of tuition.)

These are exempt upper-level classes:

Art: AR-303, AR-305, AR-306, AR-308, AR-310, AR-311, AR-320, AR-384, AR-405, AR-406, AR-407, AR-408, AR-409, AR-420, AR-421 (studio courses), AR-390/AR-490 (studio projects), AR-392/AR-492 (studio courses), AR-393/AR-493 (studio workshops), AR-394/AR-494 (studio special studies).

Languages: Any 300- or 400-level language course

Theater: TH-390/490 (performance projects), TH-392/492 (performance courses), TH-393/493 (performance workshops), TH-394/494 (performance studies).

Math Prerequisite

Students placed into the Developmental Math Program are not permitted to enroll in 300- or 400-level courses until they have completed MA-085b or MA-089. Enrollment in any 300- or 400-level course by any student placed into the Developmental Math Program who has not completed MA-085b or MA-089 will result in disenrollment from that course without refund of tuition.

Student should contact their individual program for any additional mathematics prerequisites.

Students will be held responsible for observance of types and sequences of courses taken and other academic rules and regulations printed in this catalog or other supplements thereto.

Other Course Prerequisites

Except for the University-wide policy requiring completion of EN-111 and MA-085b or MA-089 or higher before enrollment in 300-/400-level courses, course prerequisites are listed immediately after the course descriptions. If no prerequisite is listed, it may be assumed that no other college-level course in that area is required. It must be emphasized, however, that the student will, unless granted permission by his or her advisor, take classes within his or her particular class level (freshman, sophomore, junior, or senior). Other prerequisites are usually listed in the course descriptions. Students should check prerequisites before enrolling in a course.

Enrollment in Lower-Level Course after Completion of Upper-Level Course

A student may not take a lower-level course after completing a more advanced level course in the same subject area without written permission from the appropriate unit/department and approval of the dean.

Course Waivers

The University makes special allowances to waive a course under circumstances in which a student has demonstrated satisfactorily that he or she would not materially benefit from that course because of his or her previous experiences, knowledge, and understanding in that particular subject matter. However, this does not imply that credit will be granted for the course or courses waived. It does indicate that the student granted the privilege is prepared to enroll in a more advanced course in the subject area. Waiving of a course does not reduce the number of credit hours required in a given program; consequently, students will be expected to take more advanced courses or electives (either in the same subject area or in related areas) in lieu of the courses waived in order to meet the total minimum credit requirements in a given program. Thus, a waiver is not analogous to credit-by-examination.

The authority to grant such waivers is given to the deans of the colleges or schools in which the courses concerned are listed. The deans have made provisions for such waivers through appropriate methods of examination and evaluation of the student. The respective dean's approval for a waiver must be given in writing to the Office of Admissions & Records.

Advanced Placement

The University of Guam recognizes the high scholastic achievement of students who successfully complete the

Advanced Placement Program of the College Board Exam while in secondary school. For advanced placement within the English Program, students who document a score of 3 on the AP exam for English Language and Composition are placed in EN-110; students who document a score of 4 or 5 are placed in EN-111 as well as given credit for having taken EN-110. AP Literature scores of 4 or 5 will count for EN-210 credit. Requests for AP credit must be made to the registrar upon admission to the university. The English Program also accepts the results of the College Level Examination Program (CLEP) Tests. For CLEP general examination in English scores reported by Educational Testing Services (ETS) as ranking in the 39th to 49th percentile, students are placed in EN-111 and given credit for having taken EN-110. Those in the 50th percentile or above do not need to take Freshman Composition but are given credit for having taken EN-110 and EN-111.

Additionally, the English Program recognizes students who take the International Baccalaureate (IB) Language A1 exam. Students who document a score of 4 on the 18 Language A1 exam are placed in EN-109 (unless they take the UOG Placement Test and score higher); students who document a score of 5 are placed in EN-110; and students who document a score of 6 are placed in EN-111 as well as given a credit for having taken EN-110.

Exam	Score of 3	Score of 4	Score of 5
AP Calculus AB	Five (5) Credits of MA-203**		
AP Calculus BC*	Five (5) Credits of MA-203**	Five (5) Credits each of MA-203 and MA-204**	
AP Statistics	Three (3) Credits of MA-151**		

*Students who score a 1 or 2 on the Calculus BC exam but receive a 3 or above on the Calculus AB subscore will earn 5 credits of MA-203.

**Math Placement Test will be optional and automatic placement in the higher course. For scores 3 or above on the statistics exam, students will be placed in MA-161a/ MA-165 (unless they take the UOG Math Placement Test or the Calculus AB and BC exam and place higher).

Scores of 3, 4, or 5 on other AP exams may be accepted for advanced placement and/or credit after negotiation with faculty of relevant disciplines. No AP credit will be considered for qualifying scores in biology, chemistry, or physics unless the AP class included at least three hours of laboratory per week.

Advanced Placement in English and Math

On the basis of placement test scores and an interview with members of the English faculty appointed for this purpose, a student may be allowed to waive EN-110 and may be placed directly into EN-111.

Advanced placement in mathematics is determined by the student's mathematics proficiency, as evaluated by prior coursework, appropriate AP or IB mathematics test placement, the mathematics placement test administered to all incoming students, or SAT or ACT scores. The Mathematics Department may place students at various levels depending upon an assessment of skills. Contact the Mathematics Department for higher-level placement.

Skill Courses

For skill courses, such as art studio or music studio and applied music courses, waivers may be given based upon evidence of attained skill satisfactory to the department faculty concerned and with the approval of the College of Liberal Arts and Sciences dean.

Credit by Examination

Definition and Eligibility

Credit by examination refers to the granting of credit to a student who passes a specific, pre-determined exam for a class that he or she has not actually taken. This credit may be granted in certain cases, but only if the course is one on the credit-by-examination listing in the Registrar's Office and only if the student is eligible for earning such credit. A person is ineligible for credit by examination if he or she has previously enrolled or is currently enrolled in the course. Before applying for credit-by-examination, any person who has not previously been enrolled at the University of Guam must have been accepted by the University, following completion of the standard Application for Admission form.

Application Timeframe

Application for credit by examination can be made only during the first nine weeks of a regular semester or the first three weeks of each finakpo' (June-Aug.) session.

Form and Procedures

Students who wish to complete individual courses by taking credit-by-examination tests must begin the process by picking up "Request for Credit-by-Examination" forms in the Records Office and by following the procedures outlined.

Examination and Grade

A standard examination will be at least equal in time and intensity to a final examination in the approved course. This examination must be taken during the semester in which the person enrolls for such credit. If the exam is not taken before the end of the semester, the grade of "UW" will be assigned. The student does have the right to make application again for the same course credit by examination. Upon completion of the examination, the prescribed evaluative symbols (appropriate for the course) and quality points toward the GPA will be recorded in the Registrar's Office.

Fees

For individual courses, the person will be charged the

same tuition fees per credit hour he or she would pay if registering for the course.

Seniors Taking Graduate Courses

Graduate Courses

Under certain circumstances, a senior standing student with a cumulative GPA of 3.000 or better may take certain 400G or 500-level courses for graduate credit. If the credits are counted toward a baccalaureate degree, they may not subsequently also be counted toward a graduate degree. Please note that no undergraduate student may register for or receive credit for graduate courses except according to these policies.

Form and Procedures

The student must 1) procure and complete the "Graduate Credit Request" form available from the Records Office; 2) present it to the registrar, who will certify that senior has a cumulative GPA of 3.000 or higher and is in the semester prior to graduation; 3) obtain the signatures of his or her advisor or department head of his or her major and the interim assistant vice president for academic excellence/director of graduate studies.

Grading

Grading will be on the same basis as that of graduate students.

Petitioning for Credit

A student denied credit for coursework completed at the University or at other accredited universities and colleges may petition the University for acceptance of such courses for credit. Petitions must be accompanied by approvals of the chairman of the department or division and the dean of the college/school in which the course is offered. Petition forms are available in the Records Office. (See Policies about Academic Credit Transfer.)

Academic Probation Suspension, Dismissal for Failure to Maintain Minimum GPA

Academic Probation

If at the end of any given semester, a student fails to maintain a minimum cumulative GPA of 2.000, he or she will be placed on academic probation. The student is allowed to continue into the next regular semester but must earn a minimum GPA of 2.000 during that semester. Failure to attain at least a 2.000 semester GPA at any time while on academic probation will result in academic suspension for the following semester. Students will remain on academic probation until their cumulative GPA attains a minimum 2.000.

NOTE: The Nursing Program has specific probation, suspension, and program dismissal policies that supersede the UOG academic probation, suspension, and dismissal policies for nursing majors only when the rules are more stringent than University rules.

Academic Suspension

If a student fails to maintain the minimum semester GPA during a probationary semester (see Academic Probation section above), he or she will be academically suspended. A student placed on academic suspension may not enroll for one regular semester. After a lapse of one regular semester, an academically suspended student may automatically re-enroll in an academic probationary status. He or she must then maintain the required minimum 2.000 semester GPA each semester, until the minimum 2.000 cumulative GPA is attained. A student returning from suspension who fails to maintain the required 2.000 semester GPA will be academically dismissed from the University.

Academic Dismissal

A student academically dismissed from the University must wait one full calendar year for readmission and must petition the University in order to be re-admitted. If his or her petition is approved, he or she will be re-admitted in an academic probationary status and must maintain a minimum 2.000 semester GPA each semester until a cumulative 2.000 GPA is attained, or he or she will be dismissed again. Students who are dismissed a second time may not appeal for readmission until three calendar years have passed.

Satisfactory or Unsatisfactory Progress

The University of Guam considers students to be making satisfactory progress when they are not on probation, suspension, or dismissal. A student on probation, suspension, or dismissal is considered as not making satisfactory progress.

Retaking of Course

A student may repeat any course at UOG in which they attain a course grade of "C-," "D," "F," or "W" one time without University-required intervention. This does not limit earlier intervention as may be required at the school, college, or department level. Any student desiring to retake a C-/D/F/W course for a third or subsequent time must receive formal counseling from their academic advisor and course approval from the appropriate school or college dean. The University does not limit the number of times a course may be taken; however, intervention is required at the dean level for any third or subsequent attempts.

Students may retake a course from which they received a "C" to "B+" (including grades from C, C+, B-, B, B+) in order to improve their grade. Any student desiring to retake a course with a pass of "B+" or lower must seek the approval from the program and the dean of the college that offers the course with the understanding that priority will be given to those who are taking the course for the first time. If the course is repeated, the original course attempted remains on the student's transcripts but only the latest grade will be considered in determining the student's GPA, transfer, and or graduation records.

Leave of Absence

The University of Guam does not permit leaves of absence

except as described in the Academic Standing Policy.

NOTE: STUDENTS RECEIVING FINANCIAL ASSISTANCE MUST CONSULT WITH THE FINANCIAL AID OFFICE AS ACADEMIC REQUIREMENTS FOR FINANCIAL AID ELIGIBILITY MAY DIFFER FROM INSTITUTIONAL REQUIREMENTS.

Academic Renewal

Definition

Former University of Guam students whose academic performance resulted in their probation, suspension, or dismissal from the University may apply for re-admission to the University with a request that their prior academic record be disregarded. If approved, such students re-enter the University with no credits attempted, no credits earned, and no quality (grade) points earned. This policy may be evoked by students only once and is applicable only to students enrolled at UOG and only for UOG credits. Contact the Registrar's Office for information and forms.

Time requirements and evidence of change

At least three full calendar years must have elapsed since the end of the last semester in which the applicant was enrolled. The applicant may be asked to present adequate evidence that the conditions that caused the prior poor academic performance have changed so that there is a reasonable expectation that the applicant can perform satisfactorily if permitted to resume his or her studies.

Academic History

The prior academic record remains a part of the person's overall academic history, but none of it is carried forward as part of his or her program. That is, none of the credits earned previously can be used in the student's program after re-admission under the academic renewal policy. Students showing competency in any area may be allowed advanced standing (without credit) or waiver of requirements like any other student but will not be permitted to earn credit by examination for courses that they enrolled in prior to requesting re-entry under this policy.

Student Appeals Procedures

Students have the right to appeal decisions made in relationship to admission requirements, records, registration and academic rules. The forms for requesting an appeal are available through the Office of Admissions & Records.

First-Year Experience Course Requirement (FY-100)

First-Year Seminar is a three-credit course that is required of all new first-year students (and all new transfer students with less than 30 cumulative credits). Measures will be established to ensure that students cannot register for further classes until they have registered and successfully completed the course. The course will help orient students with the resources available at the University and assist individuals in becoming successful members of the campus community. This course is intended to help students make

a successful transition into university life.

Advisement and Declaration of Major (Board of Regents Resolution No. 19-14)

Academic advisement is mandatory for all full- or part-time students, transfer students, and high school advanced placement students. The signature of a designated advisor is required to complete the registration process. The following are the five categories of undergraduate students and who their designated advisors are:

- Undeclared majors who have earned less than 30 credits: EMSS counselors or college advisors if they are undeclared in a college.
- Declared majors who have earned less than 60 credits: College advisors for the major they have declared or program in which they are in.
- Undeclared transfer students or transfer students uncertain of major: EMSS counselors.
- Declared transfer students: College advisors if declared or undeclared in a college.
- All declared majors not covered by either of the above: Academic major faculty advisors in the college/school, as assigned by the dean.

As a requirement for graduation, academic evaluation must be requested from the Records Office once 60 credits or approximately half of the required credits for graduation have been completed. (See Degrees: Requirements and Regulations). Unofficial Evaluations of a student's program are available anytime through WebAdvisor. Should the students or their advisors discover that their records are incomplete, the registrar will assist the advisor in bringing the academic records up-to-date.

Declaration of Major

A student must declare a major by the beginning of the sophomore year (30 credits). Students who transfer to UOG with more than 30 credits must declare a major by the beginning of their second semester at UOG.

Program Discontinuation and Teach-Out Policy

Academic programs may only be removed upon approval of the Board of Regents after an extensive consultation process as per BOR Resolution 15-15. As part of this process, a teach-out plan will be developed to ensure that all currently enrolled students have the opportunity to complete the program and that the integrity of the academic quality of the program is maintained during the teach-out period.

Students will be notified of the plan for discontinuation, the expected timetable for phasing-out, and any planned changes in the overall study options that will be available to them. The program faculty will be available for academic advising for those students who need advice on their specific completion pathway.

During the phase-out period, special arrangements will be made when there are students needing to take a discontinued course when it is no longer viable to run the course with a very small number of students. When special arrangements are required, the student follows existing University procedures (i.e., course substitutions or change in program contract).

Students seeking to resolve a dispute or question arising under this policy must do so in accordance with the Student Discipline and Appeals Committee and related procedure.

Faculty Senate Resolution No. 17-01

“RELATIVE TO ENDORSING THE GENERAL EDUCATION REVIEW COMMITTEE’S RECOMMENDATION OF A “GE TEACH-OUT” POLICY FOR CONTINUING UOG STUDENTS

“...WHEREAS, continuing University of Guam students are bound by the program requirements as established by the catalog in force and those requirements may change in the following two situations:

- A student returns after not attending the University of Guam for two consecutive regular semesters.

- A student changes majors by filing a “Change of Major” form with the Office of Admissions & Records [except when going from undeclared to declared where a student may elect to stay under the catalog in force at the time of initial enrollment or to the catalog in force at the time of declaration]. And WHEREAS, continuing UOG students are bound by the catalog in force policy and transfer students are given a three-year grace period.

NOW, THEREFORE, BE IT RESOLVED that the UOG Faculty Senate hereby endorses the GERC’s recommendation to offer our continuing students who entered the University prior to Fall 2017 the same opportunity we offer the transfer students by providing a three-year grace period for determining which General Education Framework to follow not to extend beyond 2019; and

BE IT FURTHER RESOLVED that the Senate endorses the GERC recommendation that this “same opportunity” apply to students who are changing their major (only if the major still exists in the appropriate 2017, 2018, or 2019 catalog).

Adopted this 19 Day of October 2017.”

TUITION AND FEES

Tuition, Fees, and Other Expenses

Tuition fees and other charges at the University of Guam are established by the Board of Regents. The charges listed in this catalog are those in effect at the time of publication and are subject to change by the Board.

Payments

Payments are accepted at the Business Office (735-2923).

UOG accepts cash, check, and/or credit card (MasterCard, Visa, American Express, and other major credit cards). Payments can also be made through CASHNET under WebAdvisor.

Payment Deadline

Payment deadlines are advertised each semester and

during the finakpo’ terms in the Course Schedule advertisement. Please refer to current Course Schedule for payment deadlines.

Residency Rules

An applicant is classified as a resident or non-resident registrant for tuition purposes at the time an application for admission and all supporting credentials have been received in the Office of Admissions. The classification is based upon information furnished by the student and from other relevant sources. A student may be classified as a resident student by providing documentation prior to the opening of the semester or term. (See Resident and Non-Resident Students.)

Tuition Rates

Fanuchånan (Aug.–Dec.) 2019

Fañomnåkan (Jan.–May) 2020

Finakpo' (June–Aug.) 2020

Status	Cost Per Credit (Undergraduate)	Cost Per Credit (Graduate)
Resident	\$210	\$285
Non-Resident	\$504	\$650

Auditing or Credit by Exam: Same as other courses. Military Science courses are tuition-free.

Fees

At the time of registration, all students must pay the following fees:

Fee	Fanuchånan 2019 / Fañomnåkan 2020	Finakpo' 2020
Registration	\$12	\$12
Student Services	\$44	\$24
Library Services	\$48	\$48
Student Activities	\$24	\$24
Health Services	\$12	\$12
Athletics	\$32	\$16
Computer	\$48	\$48
Calvo Field House	\$22	\$11
Internet	\$100	\$90
Online Learning	\$40	\$20
TOTAL:	\$382	\$305

Undergraduate students taking five credits or less will be charged 50% of the student fee for the regular fanuchånan and fañomnåkan semesters. Undergraduate students taking five credits or less during the finakpo' term inclusive of sessions A, B, and C would be assessed a flat fee of \$152.50.

If a student's financial obligations have not been met, the Office of Admissions & Records will not release transcripts, diploma, or other official records of the student,

and the student will not be permitted to register for further courses. The University will charge interest of 8.5% per annum on all debts not received by the payment deadline. Students are required to pay additional fees if their account is sent to a Collection Agency. Matters relating to the student's financial obligations to the University should be referred to the Bursar's Office (735-2940/3/5). The University may report students with unpaid accounts to a credit bureau and/or Department of Revenue and Taxation.

Cancellation Fee

If you register for a class and later decide to drop or withdraw from it, you will be charged a cancellation fee as follows:

Fanuchånan/Fañomnåkan Semesters

	Before 1st Day of Class	During 1st Week of Class	After 7th Day of Semester
Tuition	0%	5%	100%
Fees	0%	100%	100%

There is a different schedule for Saturday classes. Saturday courses must be dropped before the second meeting day.

Finakpo'/Tinalo' Semesters

	Before 1st Day of Session	1st Day of Session	After 1st Day
Tuition	0%	5%	100%
Fees	0%	100%	100%

If there are multiple class start days for the finakpo' term, the first day of class will be the first day of the first class of the finakpo' term.

English Language Institute (ELI) Tuition and Fees

The tuition and fee rates for ELI are given below:

NEW STUDENTS	Fanuchånan 2019 / Fañomnåkan 2020	
	Fanuchånan 2019 / Fañomnåkan 2020	Finakpo' 2020
Tuition	\$2,800	\$2,800
Application Fee *One-time; non-refundable	\$352	\$352
UOG Fees ¹	\$249	\$198.50
TOTAL:	\$3,401	\$3,350.50

RETURNING STUDENTS	Fanuchånan 2019 / Fañomnåkan 2020	
	Fanuchånan 2019 / Fañomnåkan 2020	Finakpo' 2020
Tuition	\$2,800	\$2,800
Registration Fee *One-time; non-refundable	\$52	\$52
UOG Fees ¹	\$249	\$198.50
TOTAL:	\$3,101	\$3,050.50

Tuition and fees are subject to change upon the approval of the University of Guam Board of Regents.

¹UOG Fees pay for student activities, health services, athletic services, and computer services.

Miscellaneous Charges

In addition to the fees listed earlier in this section, the following charges are assessed when applicable:

Academic Year 2019-2020

Application Fee (non-refundable; must accompany all applications)	\$52
Application Fee for International Students	\$77
Change-of-Schedule Fee	See "Drop/Add Fee"
Copy Charge	\$.10 per page
Check Service for Each Check that Fails to Clear the Bank	\$25
Graduation Fee	\$49
Graduation Reapplication Fee	\$24
Dorm Meal Plan Fee	\$800

Specific laboratory and course fees are listed in the official course schedule every semester.

Library Fines

Charges vary.

Loss or Damage Fee

Replacement of laboratory equipment lost or damaged is assessed on a replacement cost basis.

Transcript Fee

The first copy is provided free to each student who has met all of his or her financial obligations to the University. Additional copies may be obtained at \$5 per copy. Students may obtain copies of their transcripts in one hour when necessary by paying a special service charge of \$20 in addition to transcript fees. (Note: The service charge is assessed per request, not per transcript.)

For example, if a student needs three transcripts and requests one-hour service, the total charges will be \$35 (\$15 for three transcripts plus the \$20 service charge).

Books and Supplies

Books and supplies are available at the Triton Store located in the Student Center. Books and supplies must be paid for at the time of purchase. The bookstore will not accept charge accounts but accepts Visa, MasterCard, American Express, and other major credit cards.

GENERAL EDUCATION REQUIREMENTS

General Education at the University of Guam provides a framework that guides students through the acquisition of foundational knowledge leading to higher-order intellectual skills and in-depth study in a major degree program. Throughout this process, General Education is committed to a well-rounded, student-centered educational experience that incorporates indigenous, local, regional, and global knowledge.

A THREE-TIERED STRUCTURE

After extensive reviews and discussion, the UOG Faculty Senate General Education Review Committee (GERC) developed a three-tiered framework to the General Education curriculum. Tier I (called "Core Foundation") provides a foundation of the five WASC core competencies. Tier II (called "Breadth through Diversity and Direction") provides the breadth needed for successful and healthy living as well as direction toward and into a major. Tier III (called "Capstone Experience") fosters mastery of the core competencies embedded within program objectives enhanced by the values of modern academia (creativity, innovation, diversity, ethical and civic responsibility, and civic engagement). The three tiers work together to meet the aspirations of academia while fulfilling the mission of the University of Guam and satisfying WASC expectations.

GENERAL EDUCATION REQUIREMENTS

Students who plan to complete a baccalaureate degree at the University of Guam are required to complete the General Education program described in the catalog. The General Education program emphasizes the common need for learning experiences, including an understanding of the fundamentals of major fields of knowledge. It provides opportunities for the individual majors and colleges to include, within the specific career programs they offer, further relevant General Educational experiences. Please contact an academic advisor in the college/school of your interest.

Notes on General Education courses:

- Some of the courses listed below have prerequisites.
- No one course may satisfy more than one General Education requirement.
- Students are advised to check the requirements for their major before taking General Education courses.
- The program faculty shall determine whether any course taken to satisfy General Education requirements may also count toward fulfillment of major and/or minor requirements. Even though one course may be allowed to satisfy both General Education and major/minor requirements, the number of credit hours will

only be counted once. For further information, please contact and academic advisor.

- Students must satisfy each tier within General Education.

SUMMARY OF GENERAL EDUCATION TIER REQUIREMENTS

Tier I:	Core Foundation	15
Tier II:	Breadth Through Diversity and Direction	
	Diversity Foundation	16
	Uniquely UOG	7
	Direction Building	9-11
Tier III:	Capstone Experience	0 for GE
TOTAL:	Up to 47 credit hours (*plus possibly 2 lab hours)	

TIER I: CORE FOUNDATION

The WASC core competencies include written and oral communication, quantitative skills, information literacy, and critical thinking. The core competencies provide a unifying foundation by establishing common learning expectations that can be satisfied by successful completion of the following courses. Students enroll in at least two of these courses each semester until completing the requirement, and all courses must be completed with a "C" or better by the end of their second year. Students may not enroll in 300-level courses or higher until successfully satisfying all Core Foundation requirements. Because Core Foundation courses are required for all students, they are excluded from major requirements (i.e., cannot fulfill General Education and major; no double counting of core courses).

Written Communication:

EN-110 Freshman Composition 3 credits

Oral Communication:

CO-210 Fundamentals of Communication 3 credits

Quantitative Reasoning:

MA-110 Basic Mathematical Application* 3 credits

Information Literacy:

EN-111 Writing for Research 3 credits

Critical Thinking:

CT-101 Critical Thinking 3 credits

**or higher*

TIER II: BREADTH THROUGH DIVERSITY & DIRECTION

Tier II of a UOG General Education establishes the breadth of knowledge available at UOG by exposing students to diverse fields of study and providing direction toward a major. The diversity component (called "Diversity Foundation") exposes students to the primary ways of being in our world and how that affects them personally while complimenting their major program of study. The "Uniquely UOG" component is composed of courses with local relevance drawn from diverse disciplines. The directional component (called "Direction Building") guides students into a major program of study by building on the Diversity Foundation.

DIVERSITY FOUNDATION (16 CREDIT HOURS)

The Diversity Foundation is made up of five themes. The five themes are Science & Math; Human Sciences; Creative and Expressive Arts, Human Systems and Organizations; and Cultural Perspectives. Students satisfy the Diversity Foundation component by successfully completing one course from each theme. These courses may count toward General Education and program majors (i.e., double counting encouraged).

1. Science and Math 3-4 Credits

Demonstrate basic scientific methods by employing appropriate technological, mathematical, analytical, experimental and other tools commonly accepted in the scientific community. Reason and solve problems from a wide array of contexts; create logical arguments supported by quantitative evidence; and communicate those arguments in a variety of formats (e.g., words, tables, and mathematical equations) as appropriate. (Students should take one of the following courses.)

AL-101/L	Introduction to Agriculture
AL-102/L	Introduction to Plant Science
AL-109/L	Insect World
AL-136/L	Science of Aquaculture
BA-130	Introduction to Computers and Applications
BI-100/L	Environmental Biology
BI-103/L	Marine Biology
BI-201	Natural History of Guam
CH-100/L	Introduction to Inorganic Chemistry
CH-101/L	Introduction to Organic Chemistry
CH-102/L	General Chemistry
CH-103/L	General Chemistry
CS-200	Computer Applications
GE-203/L	Principles of Physical Geography
MA-115	Introductory College Algebra
MA-151	Introductory Statistics
PA-205	Basic Statistics for Business and Economics

2. Human Sciences 3-4 Credits

Investigate and interpret aspects of human life and activities in a systematic way that validates sensory and psychological experiences. Such inquiries can be subject to experimentation and includes quantitative scientific methodologies in its interpretation. These fields include, but are not limited to, biology, human nutrition and behavior, psychology, and agriculture. (Students should take one of the following courses.)

AL-101/L	Introduction to Agriculture
AL-102/L	Introduction to Plant Science
AL-109/L	Insect World
AL-136/L	Science of Aquaculture
AL-185	Nutrition and Health
AN-203	Introduction to Archaeology
BI-110/L	Human Biology
GE-101	Introduction to Geography
HS-200	Health and Wellness
PI-210	Introduction to Logic
PS-215	International Relations
PY-101	General Psychology
SO-101	Introduction to Sociology
SO-221	Sociology of Health and Medicine

3. Creative and Expressive Arts 3 Credits

Engage in creative expression through artistic activity and/or identify and analyze the impact of cultural and historical factors on the creation and reception of written or artistic works. (Students should take one of the following courses.)

AR-101	Introduction to Art
AR-102	Studio for Non-Majors
EN-210	Introduction to Literature
MU-101	Music Fundamentals
MU-102	World Music
MU-106	Introduction to Music
MU-110	Class Voice
MU-121	Beginning Class Piano
TH-101	Introduction to the Theater
TH-102	Acting I

4. Human Systems and Organizations 3 Credits

Evaluate human systems and organizations from diverse viewpoints including cultural, ethical, political, economic, social, and historical perspectives while explaining individual and/or institutional behavior and change. (Students should take one of the following courses.)

CO-106	Introduction to Mass Communications
GE-201	World Regional Geography
HI-121	World History I
HI-122	World History II
LN-101	Introduction to Language
PA-233	Impact of Government Regulatory Administration on Business

PI-101	Introduction to Philosophy
PI-102	Contemporary Ethical Problems
PS-101	Introduction to Government and Politics
SO-202	Contemporary Social Problems
SW-110	Introduction to Community Services on Guam
WG-101	Introduction to Women and Gender Studies

5. Cultural Perspectives 3 Credits

Create awareness of diverse cultural perspectives, intercultural diversity, including its ethical components, and the significance of tolerance, both regionally and globally. (Students should take one of the following courses.)

AN-101	Introduction to Anthropology
ED-265	Culture and Education on Guam
HI-211	History of Guam
HI-243	History of Micronesia
JA-217	Japanese Culture and Society
PI-103	Introduction to Asian Philosophy
PS-202	Government in the United States
SW-201	Social Welfare and Development: Global Challenges

UNIQUELY UOG (7 CREDIT HOURS)

Students satisfy the Uniquely UOG by completing two courses, one of which must be a language other than English. This component is composed of courses with local relevance drawn from diverse disciplines. The thematic statement for this component is: Identify the unique cultural, linguistic, historical, political, and/or geographic features and discuss contemporary issues related to Guam and the region in order to recognize the importance of contributing their knowledge and skills to the local and/or regional community. (Students should take one of the following language courses and one of the following regional courses.)

Language:

CM-101	Elementary CHamoru
CI-101	Elementary Chinese
FR-101	Elementary French I
GN-101	Elementary German I
JA-101	Elementary Japanese I
KO-101	Elementary Korean I
PN-101	Conversational Pohnpeian
SN-101	Elementary Spanish
TA-101	Conversational Tagalog

Regional:

BI-100/L	Environmental Biology
BI-103/L	Marine Biology

BI-201	Natural History of Guam
ED-265	Culture and Education in Guam
EN-213	Literature, Myth, and Culture
HI-211	History of Guam
HI-243	History of Micronesia
JA-215	Japanese for Tourism
PA-201	Public Administration in Guam and in the Western Pacific
PS-225	State and Territorial Government
PY-100	Personal Adjustment
SW-110	Introduction to Community Services on Guam

DIRECTION BUILDING (9-11 CREDIT HOURS)

The Direction Building component provides options for students guided by program requirements. Students satisfy this component by taking three 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. This allows students to explore interests sparked in the foundation component while going deeper into a theme. However, students who have declared their major prior to completing this component may take two of the three courses within their major program. SLOs for the Direction Building component are closely related to PLOs that reinforce the Core and Diversity Foundation SLOs.

TIER III: CAPSTONE EXPERIENCE

PROGRAM MAJOR CAPSTONE COURSE (0 GE CREDIT HOURS)

Tier III of the General Education framework is embedded wholly within program requirements. Programs likely would fulfill this requirement by using one or more high-impact practice (capstone, thematic, research, etc.) to enhance the major experience and better prepare students for life after graduation, be it the workplace or graduate school.

STUDENT ADVISEMENT SHEET – GENERAL EDUCATION REQUIREMENTS

Tier I - Core Foundation (CF): 15 required credits – Minimum grade of “C.” Complete within first 3 semesters.		SEM/ YR	CR	
EN-110 Freshman Composition (Written Communication)				
EN-111 Writing for Research (Information Literacy)				
MA-110 Basic Math OR Higher Math Course (Quantitative Reasoning)				
CO-210 Fundamentals of Communication (Oral Communication)				
CT-101 Critical Thinking (Critical Thinking)				
Tier II – Breadth through Diversity and Direction		Courses Taken	SEM/ YR	CR
Diversity Foundation (DF): 16 credit hours				
Science & Math: 3-4 credits (one course in this area must include a lab)		1)		
Agriculture: AL-101/L, AL-102/L, AL-109/L, AL-136/L Biology: BI-100/L, BI-103/L, BI-201 Business Administration: BA-130, PA-205 Chemistry: CH-100/L, CH-101/L, CH-102/L, CH-103/L Computer Science: CS-200 Geography: GE-203/L Math: MA-115, MA-151				
Human Sciences: 3-4 credits		1)		
Agriculture: AL-101/L, AL-102/L, AL-109/L, AL-136/L, AL-185 Anthropology: AN-203 Biology: BI-110/L Geography: GE-101 Health Sciences: HS-200 Philosophy: PI-210 Political Science: PS-215 Psychology: PY-101 Sociology: SO-101, SO-221				
Creative & Expressive Arts: 3 credits		1)		
Art: AR-101, AR-102 English: EN-210 Music: MU-101, MU-102, MU-106, MU-110, MU-121 Theater: TH-101, TH-102				
Human Systems & Organizations: 3 credits		1)		
Communication: CO-106 Geography: GE-201 History: HI-121, HI-122 Linguistics: LN-101 Philosophy: PI-101, PI-102 Political Science: PS-101 Public Administration: PA-233 Social Work: SW-110 Sociology: SO-202 Women and Gender: WG-101				
Cultural Perspectives: 3 credits		1)		
Anthropology: AN-101 Education: ED-265 History: HI-211, HI-243 Modern Language: JA-217 Philosophy: PI-103 Political Science: PS-202 Social Work: SW-201				
Uniquely UOG (UU): 7 credits (4 credits must be from a language)				
Biology: BI-100/L, BI-103/L, BI-201 Education: ED-265 English: EN-213 History: HI-211, HI-243 Japanese: JA-215 Political Science: PS-225 Psychology: PY-100 Public Administration: PA-201 Social Work: SW-110 LANGUAGE: Any 101 or 102 language course		1)		
Direction Building (DB): 9-11 credits				
1) CF, DF, or UU as prerequisite (can be within a declared major)		1)		
2) DF or Major Exploration		2)		
3) DF Exploration outside major requirements (may apply to a minor or second major)		3)		
Tier III - Capstone Experience				
Capstone Course: 0 credits in GE (course within major)				
1) Major Capstone Experience		1)		

UNDERGRADUATE DEGREE PROGRAMS

The University of Guam offers degree programs within two colleges and four schools. It offers seven baccalaureate (B.A., B.A.Ed., BBA, BBAA, B.S., BSN, and BSW) and six master's degrees (M.A., MAT, M.Ed., MPA, M.S., and PMBA).

This Catalog pertains to undergraduate program information. For more information about master's programs, see the UOG Graduate Bulletin.

BACHELOR'S DEGREES

- **Agriculture and Life Sciences** (Tracks: Agriculture and Natural Resource Science, Tropical Agriculture Production, Human Nutrition and Food Sciences, Child and Family Life Sciences)
- **Anthropology**
- **Biology** (Tracks: Integrative Biology, Bio-Med, Applied Biology)
- **Business Administration**
- **Business Administration in Accounting**
- **CHamoru Studies**
- **Chemistry** (Tracks: Chemistry, Chemistry Pre-Pharmacy, Chemistry Teaching, Chemistry-Biology Dual Degree)
- **Civil Engineering**
- **Communication** (Tracks: Communication Studies and Public Relations, Mass Media and Journalism)
- **Computer Science**
- **Criminal Justice**
- **Elementary Education** (Specializations: Early Childhood Education, English as a Second Language, Special Education)
- **English** (Emphases: Literature, Linguistics/ESL, English for Education)
- **Fine Arts** (Tracks: Art, Music, Theater)
- **Health Science** (Concentrations: Pre-Physical Therapy, Exercise Science and Health Promotion, Public Health)
- **History** (Tracks: History, History for Education)
- **Mathematics**
- **Nursing** (Tracks: Generic, Second-Step)
- **Philosophy**
- **Political Science** (Tracks: Political Science, Government for Education)
- **Psychology**
- **Public Administration**
- **Secondary Education** (Option A: Content Major, Option B: Emphasis in Math, General Science, Physical Education/School Health, Fine Arts, or Career and Technical Education) (Specializations: English as a Second Language, Special Education)
- **Social Work**
- **Sociology** (Concentrations: Gender and Family Studies, Social Problems Studies, Development Studies)

MINORS

- Anthropology
- Biology
- CHamoru Studies
- Chemistry
- Communication
- Computer Science
- Crop and Environmental Protection Science
- English – General
- English – Writing
- Farm and Natural Resource Management
- Fine Arts – Art
- Fine Arts – Music
- Fine Arts – Theater
- Food Science
- Geography
- Health Services Administration
- History
- Japanese Language
- Library Science
- Mathematics
- Military Science
- Nutrition
- Philosophy
- Philosophy – Ethics
- Political Science
- Psychology
- Public Administration
- Sociology
- Tropical Horticulture
- Women and Gender Studies

CERTIFICATES

- Health Services Administration
- Library Science
- Philosophy – Ethics
- Women and Gender Studies

OTHER TRACKS

- Pre dental
- Pre law
- Pre medical
- Pre optometry
- Pre pharmacy
- Pre veterinary

GRADUATE-LEVEL CERTIFICATES

- Agriculture and Natural Resources
- Food and Nutrition
- International Agriculture
- Island Sustainability
- Micronesian Studies
- Teaching
- Tropical Horticulture

MASTER'S DEGREES

- Biology
- Business Administration (on campus and online)
- Clinical Psychology
- Counseling
- Education (Specializations: Administration and Supervision, Reading (online), Secondary Education, Special Education, TESOL)
- English
- Environmental Science
- Micronesian Studies
- Public Administration
- Sustainable Agriculture, Food, and Natural Resources
- Teaching

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

DEGREE PROGRAMS

Bachelor's Degrees

- Bachelor of Arts in Anthropology
- Bachelor of Arts in CHamoru Studies
- Bachelor of Arts in Communication
 - Communication Studies and Public Relations
 - Mass Media and Journalism
- Bachelor of Arts in English
 - Literature
 - Linguistics/ESL
 - English for Education
- Bachelor of Arts in Fine Arts
 - Art
 - Music
 - Theater
- Bachelor of Arts in History
 - History
 - History for Education
- Bachelor of Arts in Philosophy
- Bachelor of Arts in Political Science
 - Political Science
 - Government for Education
- Bachelor of Arts in Psychology
- Bachelor of Arts in Sociology
 - Gender and Family Studies
 - Social Problems Studies
 - Development Studies

Minors

- Anthropology
- CHamoru Studies
- Communication
- English
 - General
 - Writing
- Fine Arts
 - Art
 - Music
 - Theater
- Geography
- History
- Japanese Language
- Philosophy
 - Philosophy
 - Ethics
- Political Science
- Psychology
- Sociology
- Women and Gender Studies

Certificates

- Philosophy – Ethics
- Women and Gender Studies

Master's Degrees

- Master of Arts in English
- Master of Arts in Micronesian Studies
- Master of Science in Clinical Psychology

Graduate Certificate

- Micronesian Studies

ABOUT THE COLLEGE

The University of Guam granted its first Bachelor of Arts degree in 1962 from what was then the School of Arts at the Territorial College of Guam. At that time, academic disciplines providing the core of General Education courses were grouped in departments. They were later combined into divisions when the Territorial College of Guam became a four-year institution. The school was renamed the College of Arts and Sciences in 1973 before becoming the College of Liberal Arts and Social Sciences (CLASS) in 2003.

The college includes those academic disciplines traditionally known as the liberal arts. The phrase “*liberal arts*” is a translation of the Latin *artes liberales* and pertains to “those arts appropriate to a free person.” This is the definition and the orientation of the liberal arts at the University of Guam.

The college provides more than half of the General Education courses required by all of the University's baccalaureate programs. Through its four divisions, the college offers 10 major programs, 17 minor programs, three master's programs, and courses that fulfill professional preparation requirements of other institutions of higher education.

The college has a long tradition of sponsoring or co-sponsoring major conferences on important academic, intellectual, educational, community, and public policy issues. Examples include the CLASS Annual College Conference, the Regional Language Arts Conference, the CLASS Colloquium Series, the University of Guam Film Festival, and various programs and student events.

The CLASS buildings house modern classrooms and office spaces as well as instructional laboratories for English, indigenous, and international languages, broadcast and print journalism, anthropology, geography, and psychology.

The Fine Arts Building has two-and three-dimensional visual arts studios, music studios, a theater workshop, and a theater production facility.

ACADEMIC MISSION

The major mission of the College of Liberal Arts and Social Sciences is instructional delivery in a variety of disciplines. The key aim of the college is to provide students with a broad and interconnected education in the arts, humanities, language, literature, and the social and behavioral sciences.

The college actively contributes to the development of skills, knowledge, and values necessary for the continuing educational, professional, and economic advancement of the individual student, Guam, and the Micronesian region. This includes advancement of regional knowledge; all aspects of social and economic development; the understanding of diverse regional cultural traditions; the resolution of the social, environmental, health, and physical problems that face the Western Pacific region; and contributing to the mastery of qualitative and scientific content knowledge and methodology. Achievement in these domains is known to enable students to be admitted to and to succeed in advanced educational opportunities and rewarding careers.

Faculty of the College of Liberal Arts and Social Sciences carry out the institutional missions of research and service to the University and the region in a variety of disciplines and programs. These activities lead to original discovery and creative work contributing to the world's knowledge of Guam and the Micronesian region and permit the inclusion of relevant, cutting-edge, regional material in the college's classroom instruction. In addition to contributing to the advancement of regional knowledge, this work allows students to be exposed to modern research methods, basic and applied, that contribute to critical thinking skills, and academic understanding and growth. For those students who wish to seek graduate degrees, undergraduate research training, and experience, the college prepare them to compete effectively for graduate school admission and for success once accepted.

ADMISSION AND OTHER PROGRAM REQUIREMENTS

A student who plans to enroll in the College of Liberal Arts and Social Sciences should be familiar with the general requirements and procedures regarding admission to the University (see the Academic Rules and Regulations). Every student should obtain an academic advisor to assist in learning and complying with these requirements. Contact the Dean's Office or see the CLASS advisors list in the "Degree and Minor Program Academic Advisors" section of the catalog.

ADVISEMENT

The College of Liberal Arts and Social Sciences is responsible for the academic advisement of students who have declared a major in the academic disciplines offered by the College. Advisement is essential to the planning of appropriate and efficient student schedules. Students must consult with their program advisor and receive signatory approval before they register. A student who has completed less than 30 credit hours and who has not yet declared a major must consult the Student Counseling Office for advisement.

Listed in the "Degree and Minor Program Academic Advisors" section of the catalog is contact information for each of the faculty advisement liaisons for all major and minor programs. Students should contact one of the liaisons in their declared major or minor and request assignment to an advisor in that field.

STUDENT ORGANIZATIONS

Students have opportunities for involvement in a wide variety of organizations that are sponsored by the academic disciplines in the College of Liberal Arts and Social Sciences. Some divisions sponsor college-wide activities, such as band, choir, or the newspaper. Many of the major programs in the college, working with faculty advisors, have student organizations or honorary societies, such as those below. Many CLASS students are also active in the Student Government Association.

Student Organization	Faculty Advisor
The Anthropology Association	Dr. David Atienza
The English Society (English majors)	Dr. Christopher Garcia
Sigma Tau Delta: Alpha Zeta Xi International English Honor Society	Dr. David Gugin
Manelon CHamoru (CHamoru language and culture)	Drs. Michael Bevacqua and Teresita Flores
Association of Students for Political Awareness	Dr. Ken Kuper
Phi Sigma Alpha - the National Political Science Honor Society	Dr. Mary Cruz
Psychology Club	Dr. Yoshito Kawabata
Psi Chi - the International Honor Society in Psychology	Dr. Yoshito Kawabata
Lambda Pi Eta: Alpha Beta Eta Communication Honor Society	Drs. Linabeth Somera and Francis Dalisay

Student Organization	Faculty Advisor
UOG Communication Society	Dr. Linabeth Somera
The Society of Philosophy and Culture	Dr. Michael Hemmingsen
Alpha Psi Omega: Sigma Upsilon National Theater Honor Society	Prof. Michelle Blas

ADMINISTRATION

The College of Liberal Arts and Social Sciences is led by the dean. The Dean's Office is on the third floor of the Humanities & Social Sciences Building and serves as the central coordinating and supervisory unit for the academic, research, creative artistic, and service activities of the four divisions. The Dean's Office is supported by a program coordinator III, an administrative officer, four administrative assistants, and a customer service representative. Functional and coordinating support for each division is provided by the associate dean, faculty chairs, administrative assistants, and secretaries.

Divisions

- Division of Communication and Fine Arts
- Division of English and Applied Linguistics

- Division of Humanities
- Division of Social and Behavioral Sciences

Division offices are important centers of information for students in regard to their academic programs; contact with faculty members; registration; advisement; problem-solving; information on student clubs; opportunities for internships, scholarships, and special summer activities; and other student-related activities.

Questions about any CLASS programs should be directed to:

Dr. James Sellmann, Dean
 College of Liberal Arts and Social Sciences
 University of Guam
 UOG Station
 Mangilao, GU 96923
 Tel: (671) 735-2850
 Fax: (671) 734-3410
 Email: jsellmann@triton.uog.edu

Dr. Sharleen Santos-Bamba, Associate Dean
 College of Liberal Arts and Social Sciences

University of Guam
 UOG Station
 Mangilao, GU 96923
 Tel: (671) 735-2854
 Fax: (671) 734-3410
 Email: sbamba@triton.uog.edu

DEGREE PROGRAMS

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

ANTHROPOLOGY PROGRAM

Prospectus

Anthropology is the holistic study of humankind. The discipline is distinctive among the human sciences and humanities in that cross-cultural (comparative inter-regional or global), ecological, and evolutionary perspectives are commonly employed. The four major divisions of anthropology are archaeology, cultural anthropology, anthropological linguistics and biological (or physical) anthropology. A popular misconception of anthropology is that it is the study of ancient remote or exotic living people, but anthropology, in fact, is concerned with studying the cultural, social, and biological configurations of all human societies, past and present.

Given Western Micronesia's geographic, historical, socio-cultural, and human biological realities, anthropology is a particularly appealing and relevant program of study

at the University of Guam. The ever-changing dynamics of Guam's contemporary multi-cultural society and the presently under-appreciated heritage (historical, cultural, linguistic, and biological) of the indigenous peoples of the Marianas and Micronesia situate the University of Guam as an ideal setting for faculty and students to engage in anthropological, collaborative, and transdisciplinary research.

The Anthropology Teaching Laboratory (HSS-110) and both microfiche and online web-based access to the Human Relations Area Files at RFK Memorial Library are some of the resources available. The program is focused on the study of anthropology of the ocean, culture change, and the maritime and cultural history and adaptations of indigenous Pacific populations. Faculty members are doing research in maritime archaeology, linguistic anthropology, cultural anthropology, power, ethnohistory, and visual anthropology.

Learning Outcomes

Graduating students must be able to demonstrate their understandings and competence in applying the dimensions and determinants of human cultural, archaeological, and linguistic diversity.

Graduating anthropology students should successfully demonstrate the ability to:

1. Understand the current issues and debates in the sub-fields of anthropology;
2. Utilize the concept of cultures as a fundamental organizing concept of anthropology;
3. Articulate knowledge of the history and theories of anthropology;
4. Collect anthropological data according to generally accepted professional anthropological practices; and
5. Analyze anthropological data in both oral and written forms.

Anthropology Major Requirements (39 credit hours)

Required Courses:

Course	Course Title	Credits
AN-101	Introduction to Anthropology	3
AN-203	Introductory to Archaeology	3
AN-212	Cultural Anthropology	3
AN-234	Linguistic Anthropology	3
AN-320	People of the Pacific	3
AN-413	Research Methods in Anthropology	3
MA-385	Applied Statistics	3

A summer practicum is required as part of the coursework.

Total Required Course Credit Hours **21**

Elective Courses:

Course	Course Title	Credits
AN-321	Visual Anthropology	3
AN-369	Special Topics*	3
AN-381	Asia-Pacific Maritime Archaeology	3
AN-462	Advanced Field Methods in Archeology	3
AN/GE-341	Cultural Ecology	3
Any upper-level Anthropology (AN) course		3

Total Elective Course Credit Hours **18**

TOTAL CREDIT HOURS **39**

Anthropology Minor Requirements (21 credit hours)

Required Courses:

Course	Course Title	Credits
AN-101	Introduction to Anthropology	3
AN-203	Introductory to Archaeology	3
AN-212	Cultural Anthropology	3
AN-234	Linguistic Anthropology	3
AN-413	Research Methods in Anthropology	3

Total Required Course Credit Hours **15**

Elective Courses:

Any upper-division (300- and 400-level) Anthropology (AN) courses.

Total Elective Course Credit Hours **6**

TOTAL CREDIT HOURS **21**

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – AN-212; 2) DF or Major Exploration – AN-234; 3) DF Exploration outside major requirement (may apply to a minor or second major).

CHAMORU STUDIES PROGRAM

Prospectus

I hinangai-ña i Prugrãman Inestudion CHamoru gi Unibetsedåt Guahan na para u susteni yan na 'lã'la' mo'na un kuminidåt CHamoru ni' tekngo' gi Fino' CHamoru. Para u kumple este gi i fina'nã'guen i fihu manmagraduduha na estudiante ni' mangkapas gi tumutuge' yan kumuekuentos gi Fino' CHamoru. Para u mana'saosaonao lokkue' tãddong na inestudia put Fino' CHamoru, kotturan/kostrumbren CHamoru yan sisteman manunugo' ginen hinasson CHamoru. Para u macho'gue este na inaligao siha gi halom i kuminidåt yan para i kuminidåt

I Prugrãman Inestudion CHamoru para u na'dokko' gi estudianteta, iyon-ñiha hinasson mananacha, inagradesi para i meggai na klãsen taotao yan kottura, i direchon i manaotao yan pi'ot i mannatibu, yan i responsiblidåt gi kuminidåt. Para u mana'dokko' lokkue' i kapasidåt-ñiha gi hengga yan matuge' na klãsen inekspresia . I Prugrãman Inestudion CHamoru para u kubre meggai na suheto, todú umu'usa tiningo' put Chinamorro yan i lugat-ña gi hilo' tãno' yan gi hestoria. I Prugrãma para u ofresi klas siha gi Fino' CHamoru, Tiningo' put Taotao, Naturat na Tiningo', Tinaitai Lepblo, Yeografia, Hestoria, Inestudion Pulitikåt, Tiningo' put i Hinasson Taotao yan Cho'cho' Sosiåt.

The mission of the CHamoru Studies Program is to revitalize and sustain a CHamoru-literate community through the development of a steady cohort of proficient CHamoru-speaking and -writing graduates. It shall include in-depth studies of CHamoru language, culture, and CHamoru-based systems of knowledge. Such studies shall be articulated in relation to community engagement.

The CHamoru Studies Program develops students' critical thinking and appreciation of cultural diversity, human and indigenous rights, and social and communal responsibility. Creative capabilities in the areas of oral and written literary expression are developed. CHamoru Studies is an interdisciplinary program that covers a range of subjects, examining knowledge pertaining to CHamoru identity and culture that draws on courses such as CHamoru Language, Anthropology, Biology, Literature, Geography, History, Political Science, Social Work, and Psychology.

Learning Outcomes

Students enrolled in the CHamoru Studies Program will successfully demonstrate the ability to:

1. Express ideas and analyses fluently and persuasively in both written and oral forms and in both the CHamoru and English languages;
2. Examine major cultural, historical, political, ecological, and literary themes, developments, and events in the Mariana Islands;
3. Evaluate relevant issues in CHamoru Studies within local and global contexts; and
4. Create original and independent work including formulating and proposing a topic of study, locating appropriate evidence, synthesizing information logically and orderly, and conveying findings clearly.

CHamoru Studies Major Requirements (46 credits) Required Courses:

Course	Course Title	Credits
CM-110	Introduction to CHamoru Studies	3
CM-210	CHamoru Studies and Practices	3
CM-201	Intermediate CHamoru I	4
CM-202	Intermediate CHamoru II	4
CM-301	Advanced CHamoru – Reading	4
CM-302	Advanced CHamoru II – Writing	4
CM-340	CHamoru Culture	3
CM-412	Topics in CHamoru Studies	3
CM-491	CHamoru Studies Senior Capstone	3
HI-211	History of Guam	3

Total Required Course Credit Hours: 34

Elective Courses:

Course	Course Title	Credits
AN-320	People of the Pacific	3
AN-421	Cross-Cultural and Sociological Problems of Guam and Micronesia	3
BI-100	Environmental Biology	3
BI-103	Marine Biology	3
ED-385a	Structure of the Language	3
ED-385b	Structure of the Language	3
EN-333	Literature of Guam, Micronesia, and the Pacific	3
EN-461	Pacific Women Writers	3
GE-401	Geography of the Pacific	3
HI-243	History of Micronesia	3
HI-313	Research Methodologies in History	3
HI-444	Modern Pacific History from 1850 to the Present	3
HI-450	Topics in Pacific History	3
PS-225	State and Territorial Government	3
PS-412	Politics of Micronesia	3
PS-482	Special Topics in Political Science <small>(only when topic is a Guam and/or Pacific Islands focus)</small>	3
PY-475	Micronesia and Mental Health	3
SW-406	Social Policy	3
SW-410	Social Welfare and Social Development in Micronesia	3
SW-485a/b	Field Instruction	4/4
Or upper-division CHamoru (CM) courses		

Total Elective Course Credit Hours (minimum 9 upper division) 12

TOTAL CREDIT HOURS 46

CHamoru Studies Minor Requirements (23 credits)

Required Courses:

Course	Course Title	Credits
CM-110	Introduction to CHamoru Studies	3
CM-201	Intermediate CHamoru I	4
CM-202	Intermediate CHamoru II	4
CM-340	CHamoru Culture	3
HI-211	History of Guam	3
Total Required Course Credit Hours		17

Elective Courses:

Course	Course Title	Credits
AN-320	People of the Pacific	3
AN-421	Cross-Cultural and Sociological Problems of Guam and Micronesia	3
BI-100	Environmental Biology	3
BI-103	Marine Biology	3
CM-210	CHamoru Studies and Practices	3
CM-412	Topics in CHamoru Studies	3
EN-333	Literature of Guam, Micronesia, and the Pacific	3
EN-461	Pacific Women Writers	3
GE-401	Geography of the Pacific	3
HI-243	History of Micronesia	3
HI-313	Research Methodologies in History	3
HI-444	Modern Pacific History from 1850 to the Present	3
HI-450	Topics in Pacific History	3
PS-225	State and Territorial Government	3
PS-412	Politics of Micronesia	3
PS-482	Special Topics in Political Science (only when topic is a Guam and/or Pacific Islands focus)	3
PY-475	Micronesia and Mental Health	3
SW-406	Social Policy	3
SW-410	Social Welfare and Social Development in Micronesia	3
SW-485a/b	Field Instruction	4/4

Course	Course Title	Credits
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Or upper-division CHamoru (CM) courses

Total Elective Course Credit Hours **6**

TOTAL CREDIT HOURS **23**

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-Req (can be within declared major) – CM-102 2) DF or Major Exploration – CM-340 3) DF Exploration outside major requirements

Tier III – Capstone Experience – Major Capstone Experience: CM-412

COMMUNICATION PROGRAM

Prospectus

As an academic field, communication focuses on the process of message use and generation within as well as across various contexts, cultures, channels, and media. The study of communication focuses on its effective and ethical practice. While people are born with the physical ability to talk, communication skills have to be developed to ensure personal, academic, and professional success.

According to various projections on fastest growing careers, communication skills will be part of basic competencies in many occupations well into the next century. In addition, executives in leading companies indicate that college students need better communication skills as well as the ability to work in teams and with people from different backgrounds.

The Communication Program offers a major designed to prepare professionals in journalism, mass media, and other communication-related areas. The program also serves the University community with General Education and elective courses for all majors and offers a minor that is an ideal complement for any major, which requires substantial skill in interpersonal, public, or mass communication.

Learning Outcomes

Upon successful completion of the Communication Program, the student should be able to demonstrate the ability to successfully:

1. Articulate the theories of perception, interaction, and the creation of shared meaning in individual, group, intercultural, mass and digital communication settings;

2. Analyze the effects of media messages and form on the individual and society;
3. Apply basic logic, reasoning, ethics, and interpretation in producing and consuming messages;
4. Construct and express a cohesive idea, across multiple platforms, drawn from multiple sources of information that arrives at a rational conclusion expressing a defensible point of view; and
5. Utilize contemporary and understand developing communication technologies.

Tracks

All Communication majors must meet the requirements of one of these tracks and should seek faculty advisement within their respective track:

Communication Studies and Public Relations

The Communication Studies and Public Relations track requires dynamic personal involvement. Students create and test their ideas, develop individual abilities, and gain competence in a variety of communication settings. Students acquire both theoretical knowledge and practical training in developing messages for various groups, analyzing audiences and designing campaigns.

Mass Media and Journalism

The Mass Media and Journalism track focuses on providing knowledge of the theories, processes and practices of the mass media and on the development of professional telecommunications skills in a variety of mass communication fields such as broadcasting, video production, and advertising. Students learn reporting, writing, editing, and graphic design skills. Emphasis is placed on studying news events in the context of larger social issues and interpreting these insights for a mass audience.

Communication Minor

The minor in Communication is particularly suited for students majoring in Public Administration, Business, Education, Agriculture, Nursing, and English who need a strong background in communication skills for their professional work. Faculty advisors will help you tailor the minor to fit your career goals.

Communication Major Requirements (45 credits)

Required Core Courses	15 credit hour
Track-Specific Courses	18 credit hours
Elective Courses	12 credit hours
Total Credit Hours	45 credit hours

Required Core Courses:

Course	Course Title	Credits
CO-106	Introduction to Mass Communication	3
CO-250	Argumentation	3
CO-310	Intercultural Communication	3
CO-491	Current Issues in Communication and Society	3
CO-498	Senior Internship	3

Total Required Course Credit Hours 15

Communication Studies and Public Relations Track Requirements (18 credit hours)

Track-Specific Courses:

Course	Course Title	Credits
Choose 6 of the following:		
CO-200	Voice and Articulations	3
CO-220	Listening Behavior	3
CO-320	Interpersonal Communication	3
CO-330	Small Group Communication	3
CO-340	Persuasion	3
CO-350	Public Speaking	3
CO-360	Public Relations	3
CO-370	Organizational Communication	3
CO-450	Communication Theory and Research	3

Total Track Credit Hours 18

Mass Media and Journalism Track Requirements (18 credit hours)

Track-Specific Courses:

Course	Course Title	Credits
Choose 6 of the following:		
CO-226	Reporting & Writing the News	3
CO-236	Broadcast Production	3
CO-326	Advanced Reporting	3
CO-327	Advertising in Mass Media	3
CO-357	Media Computer Graphics	3
CO-336	Broadcast Journalism	3
CO-426	Documentary Process	3

Total Track Credit Hours 18

Elective Courses:

Take an additional 12 hours of Communication courses, six of which must be upper-division courses.

Total Elective Credit Hours 12

TOTAL CREDIT HOURS 45

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) CO-226 or CO-236; 2) DF or Major Exploration – CO-385 or CO-357; 3) DF Exploration outside major requirement (may apply to a minor or second major) – (e.g., BA-260, EN-311, EN-316, EN-319 or any other DF courses). Tier III – Capstone Experience: CO-491.

Communication Minor Requirements (21 credit hours)

Required Courses:

Course	Course Title	Credits
CO-106	Introduction to Mass Communication	3
CO-250	Argumentation	3
CO-310	Intercultural Communication	3

Total Required Course Credit Hours: 9

Elective Courses:

12 additional hours of the student’s choice with consent of advisor. Six of these must be upper-division hours. Students should consult with a Communication advisor for recommendations regarding which courses best complement their major.

Total Elective Credit Hours 12

TOTAL CREDIT HOURS 21

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – CO-250; 2) DF or major exploration – CO-310 or CO-360; 3) DF exploration outside major requirement (may apply to a minor or second major) – (e.g., BA-260, EN-311, EN-316, EN-319, or any other DF courses.)

ENGLISH PROGRAM

Prospectus

The Division of English and Applied Linguistics offers two majors: an English Major and an English and ESL Major.

The English Major is comprised of three emphases, each sharing courses with the others while focusing on a particular field of study: 1) the Literature Emphasis; 2) the Linguistics/ESL Emphasis; and 3) the English for Education Emphasis.

The Division also offers two minors.

Students planning careers as teachers of English, language arts, or ESL (English as a Second Language) can declare a double major combining an English major which would satisfy certification requirements. Or they can declare an English Major only and then upon graduation pursue a certification program with SOE. Students should seek advisement from both English and SOE.

The English major provides students with a solid foundation in the humanities, expertise in written and oral communication, and sustained training in analytical and critical thinking. It forms an intellectual basis for graduate study in English and other areas of scholarship. In addition, the English major provides excellent preparation for professional careers in a wide variety of fields which drives on the advantages of a liberal arts education.

Learning Outcomes

Upon successful completion of any of the English major’s emphases, the student will demonstrate the ability to:

1. Understand the concepts, structures, and functions of human languages;
2. Describe the aesthetic, rhetorical, structural, and multi-cultural qualities of texts, as well as critical and historical approaches to those texts;
3. Prepare, organize, and deliver effective oral presentations for a variety of purposes and audiences;
4. Conduct substantive research using discipline-appropriate techniques, methodologies, and environments (digital or non-digital), producing or locating valid data and source materials;
5. Write coherent, discipline-appropriate essays and research papers, documenting properly to avoid plagiarism.

Emphases

All English majors must meet the requirements of one of these emphases and should seek faculty advisement within their respective track:

- Literature
- Linguistics/ESL
- English for Education

Minors

- English Minor
- Writing Minor

English Major Requirements

All declared English majors must have a cumulative grade point average of 2.75 or better in major courses in order to graduate with a Bachelor of Arts in English degree. English majors must receive a grade of "C" or better in any English major course. All English majors must complete (or demonstrate proficiency through a Course Waiver or Credit by Examination) a two-semester sequence, 8 credits of a modern language.

Literature Emphasis Requirements (42 credit hours)

Literature majors must complete (or demonstrate proficiency through a Course Waiver or Credit by Examination) a two-semester sequence, eight credits of a modern language. These courses should be taken in partial fulfillment of the Uniquely UOG and Direction Building General Education requirements.

General Education:

Tier II: Diversity Foundation

Recommended Course	Credits	
Creative & Expressive Arts	EN-210 Introduction to Literature	3
Human Systems & Organizations	LN-101 Introduction to Language	3
Uniquely UOG	EN-213 Literature, Myth, and Culture	3
	Mandatory language other than English	7

Tier II: Direction Building

After declaring an English – Literature emphasis major, students will take the following to complete this General Education requirement:

Recommended Course	Credits	Pre-requisite	
EN-225	Introduction to Literary Criticism	3	
*Choice of:			
EN-314	British Literature	3	EN-225
EN-317	Advanced Reporting		EN-225
EN-318	World Literature		EN-225

A second semester of the language other than English that was taken to help fulfill the Uniquely UOG category.

* While only one of these courses will double count toward both General Education and your major requirements, all three of these courses are required for the Literature emphasis major.

Required Courses:

Course	Course Title	Credits
EN-225	Introduction to Literary Criticism	3
LN-300	Introduction to Linguistics	3
Choice of:		
EN-311	Creative Writing	3
EN-316	Professional Writing	
EN-319	Advanced Composition	
EN-314	British Literature	3
EN-317	American Literature	3
EN-318	World Literature	3
Choice of:		
EN-461	Pacific Women Writers	3
EN-473	The Modern Japanese Novel	
EN-333	Literature of Guam, Micronesia, and the Pacific	
EN-480*	Literary Theory	3

Total Required Course Credit Hours 24

Elective Courses:

Any 300- or 400-level EN or LN course, at least nine of which must be at the 400 level.

Total Elective Course Credit Hours 18

TOTAL CREDIT HOURS 42

*Note: Students successfully completing either ED-492 Practicum in Student Teaching or ED-498 Internship in Teaching may waive EN-480.

Linguistics/ESL Emphasis Requirements (42 credit hours)

Linguistics/ESL majors must complete (or demonstrate proficiency through a Course Waiver or Credit by Examination) a two-semester sequence, eight credits of a modern language. These courses should be taken in partial fulfillment of the Uniquely UOG and Direction Building General Education requirements.

General Education:

Tier II: Diversity Foundation

Recommended Course		Credits
Science & Math	CS-200 Computer Applications	3
Human Sciences	Choice of:	
	PY-101 General Psychology	3
	SO-101 Introduction to Sociology	3
Creative & Expressive Arts	Choice of:	
	EN-210 Introduction to Literature	3
	TH-101 Introduction to Theater	3
Human Systems & Organizations	LN-101 Introduction to Language*	3
Cultural Perspectives	Choice of:	
	AN-101 Introduction to Anthropology	3
	ED-265 Culture and Education on Guam	3
Uniquely UOG	Choice of:	
	EN-213 Literature, Myth, and Culture	3
	ED-265 Culture and Education on Guam (if not taken in category above)	3

*This will also count toward the English – Linguistics/ESL emphasis requirement

Tier II: Direction Building

After declaring an English – Literature emphasis major, students will take the following to complete this General Education requirement:

Recommended Course	Credits	Pre-requisite
LN-300 Introduction to Linguistics	3	EN-111
Choice of:		
LN-350 Linguistics & Language Arts	3	LN-300
LN-371 World English	3	LN-300
LN-385 Structure of English	3	LN-300

A second semester of the language other than English that was taken to help fulfill the Uniquely UOG category

Required Courses:

Course	Course Title	Credits
LN-101	Introduction to Language	3
LN-300	Introduction to Linguistics	3
LN-350	Linguistics and Language Arts	3
LN-371	World Englishes	3
LN-385	Structure of English	3
LN-402	History of the English	3
LN-440/G	Topics in Linguistics	3
LN-460	Introduction to Sociolinguistics	3
LN-400	Applied Linguistics	3

Total Required Course Credit Hours 27

Elective Courses:

Course	Course Title	Credits
ED-480	Second Language Curriculum and Materials Development	3
ED-481	Second Language Teaching Methodology	3
LN-440	Topics in Linguistics (If different topic is taken)	3
Any 300- or 400-level English (EN) course.		

Total Elective Course Credit Hours 15

TOTAL CREDIT HOURS 42

English for Education Emphasis Requirements (42 credit hours)

English for Education majors must complete (or demonstrate proficiency through a Course Waiver or Credit by Examination) a two-semester sequence, 8 credits of a modern language. These courses should be taken in partial fulfillment of the Uniquely UOG and Direction Building General Education requirements.

General Education:

Tier II: Diversity Foundation

Recommended Course		Credits
Science & Math	Any course in this category	3
Human Sciences	Any course in this category, except for students declaring Secondary Education double major, in which case it is recommended to take PY-101. Introduction to Psychology as it is a prerequisite for ED-201 Human Growth and Development, a SEED Major Program Requirement	3
Creative & Expressive Arts	EN-210 Introduction to Literature	3
Human Systems & Organizations	LN-101 Introduction to Language	3
Cultural Perspectives	Any course in this category, except for students declaring Secondary Education double major, in which case it is recommended to take ED-265. Culture and Education on Guam or HI-211 History of Guam to fulfill SEED Major Program Requirements.	3
Uniquely UOG	EN-213 Literature, Myth, and Culture	3
	Mandatory language other than English	4

Tier II: Direction Building

After declaring an English – English emphasis major, students will take the following to complete this General Education requirement:

Recommended Course	Credits	Prerequisite
Choice of:		
LN-300 Introduction to Linguistics	3	EN-111
EN-225 Introduction to Literary Criticism		EN-111
LN-350 Linguistics and Language Arts		LN-300

A second semester of the language other than English that was taken to help fulfill the Uniquely UOG category.

Required Courses:

Course	Course Title	Credits
EN-225	Introduction to Literary Criticism	3
EN-317	American Literature	3
EN-314	British Literature	3
Choice of:		
EN-318	World Literature	
EN-320	Other Voices	3
EN-333	Literature of Guam, Micronesia, and the Pacific	
EN-319	Advanced Composition	3
EN-400	Rhetoric and Composition	3
LN-300	Introduction to Linguistics	3
LN-350	Linguistics and the Language Arts	3
LN-385	Structure of English	3
CO-350	Public Speaking	3
Choice of:		
EN-480	Literary Theory	3
LN-400	Applied Linguistics	
Total Required Course Credit Hours		33

Elective Courses:

Course	Course Title	Credits
Choose one course from each group:		
Group 1		
EN-311	Creative Writing	3
EN-321	The Poetic Tradition	
Group 2		
EN-450	Environmental Literature	3
EN-460	Literatures in English	
EN-470	World Literatures in Translation	
EN-480	Literary Theory (if not taken as Capstone)	

Course	Course Title	Credits
Group 3		
LN-460	Introduction to Sociolinguistics	3
LN-440	Topics in Linguistics	
LN-400	Applied Linguistics (if not taken as Capstone)	

Total Elective Course Credit Hours 9

TOTAL CREDIT HOURS 42

English Minor Requirements (18 credit hours)

Required Courses:

Course	Course Title	Credits
LN-101	Introduction to Language	3

Choice of:

EN-210	Introduction to Literature	3
EN-213	Literature, Myth and Culture	

Total Required Course Credit Hours 6

Elective Courses:

Student must take 12 elective credit hours of EN or LN courses, at least nine of which are at the 300 or 400 level. EN-109, EN-110, and EN-111 may not be counted toward the English Minor.

Total Elective Course Credit Hours: 12

TOTAL CREDIT HOURS 18

Writing Minor Requirements (18 credit hours)

Required Courses:

Course	Course Title	Credits
EN-311	Creative Writing	3
EN-316	Professional Writing	3
EN-319	Advanced Composition	3

Total Required Course Credit Hours 9

Elective Courses:

Course	Course Title	Credits
CS-200	Computer Applications	3
BA-130	Introduction to Computer Operations	3
CO-226	Reporting and Writing News	3
CO-336	Writing for Broadcast Media	3
CO-385	Print Media Experience	3
AR-240	Computer Graphic Design	3
AR-340	Digital Imaging Technique	3
LN-300	Linguistics	3
EN-400	Rhetoric and Composition	3
EN-411	Advanced Creative Writing	3

Total Elective Course Credit Hours 9

TOTAL CREDIT HOURS 18

FINE ARTS PROGRAM

Prospectus

The Fine Arts Department offers a program leading to a major or minor in Fine Arts. The Fine Arts major allows the student to concentrate in one of the areas of the arts: Art, Music, or Theater. Within each of these areas, the student gains an understanding of the concepts of appreciation and creation of an artistic product as it applies to that particular area. In all areas, the emphasis is on the creation of the work. To accomplish this, it is necessary to lay a proper foundation. Therefore, all of the areas utilize both a traditional lecture/discussion, paper/exam format, as well as a hands-on, studio, experimentation/creation process. In the arts, both are necessary.

The most unique aspect of the program is the combining of Art, Music, and Theater into one major. While the norm is to isolate the arts into three separate areas, the Fine Arts major at UOG encourages a continuing dialog between artists of different disciplines. It is to the advantage of the Fine Arts student, through the nine credit hours of Fine Arts Core courses, to be regularly and formally placed into contact with the other disciplines that make up the Fine Arts major. This contact encourages student awareness of the creative process throughout the arts.

The program promotes growth in personal experience, artistic self-expression, and stimulates exploration of the role of the arts in society. As a result of the historical, interpretive, and creative components of the Fine Arts program, students are personally challenged to achieve proficiency in their chosen area and appreciation for the creations and presentations of other artists. There are no prerequisites to enter the Fine Arts major tracks of Art, Music, and Theater.

Learning Outcomes

By the end of the Fine Arts Program, students will effectively demonstrate the ability to:

1. Produce a senior project demonstrating mastery of one artistic skill using professional production values;
2. Understand the artistic languages of the performing and visual arts by recognizing common terms, techniques and methods of expression;
3. Analyze the creations and presentations of other artists with objectivity;
4. Apply coursework learning in public displays and performances;
5. Identify and evaluate the influences of fine arts in society;
6. Understand the history of one or more art, music or theatre styles;
7. Create a professional portfolio to use in job and graduate school applications;
8. Identify the interrelationship of the arts;
9. Debate the significance of particular artistic objects, works or experiences; and
10. Participate in their chosen field of artistic endeavor.

Tracks

This major is an “umbrella” program. There is a “core” of three courses, nine credit hours that all Fine Arts majors will be required to take: FA-231, FA-331, and FA-431. The student will track into one of the following:

- Art
- Music
- Theater

Art Track Major Requirements (60 credit hours)

Each student's program will be developed with an advisor from the Visual Arts faculty. It is strongly recommended, although not required, that Art Track majors select an area of emphasis consisting of 9–18 credit hours in any of the studio areas: painting, sculpture/ceramics, or printmaking. The Art Track major is required to mount a senior exhibit.

Required Courses:

Course	Course Title	Credits
FA-231	Survey of the of the Arts	3
FA-331	Philosophy of the Arts	3
FA-431	Survival in the Arts	3
AR-103	Drawing I	3
AR-104	Basic Design	3
AR-203	Drawing II	3
AR-204	3-D Design	3
AR-208	Basic Sculpture	3
AR-210	Basic Printmaking	3
AR-220	Basic Ceramics	3
AR-331	History of Art I	3
AR-332	History of Art II	3
Choice of:		
AR-205	Basic Watercolor Painting	3
AR-206	Basic Painting	3

Total Required Course Credit Hours 39

Elective Courses:

Course	Course Title	Credits
AR-101	Introduction to Art	3
AR-211	Basic Photography	3
AR-303	Life Drawing	3
AR-305	Intermediate Watercolor Painting	3
AR-306	Intermediate Painting	3
AR-308	Intermediate Sculpture	3
AR-310	Intermediate Printmaking	3
AR-311	Intermediate Photography	3
AR-320	Intermediate Ceramics	3
AR-322	History of Traditional Japanese Art	3
AR-323	Gallery Management and Exhibition Design	3
AR-326	Analysis of Specimens and Documentation	3

Course	Course Title	Credits
AR-331	History of Art I	3
AR-332	History of Art I	3
AR-340	Digital Imaging Techniques	3
AR-384	Environmental Art	3
AR-404	Advanced Watercolor Painting I	3
AR-405	Advanced Watercolor Painting II	3
AR-406	Advanced Painting I	3
AR-407	Advanced Painting II	3
AR-408	Advanced Sculpture I	3
AR-409	Advanced Sculpture II	3
AR-410	Advanced Printmaking I	3
AR-411	Advanced Printmaking II	3
AR-420	Advanced Ceramics I	3
AR-421	Advanced Ceramics II	3
TH-105	Stagecraft	3
TH-315	Scenic Design	3
TH-316	Lighting Design	3
Total Elective Course Credit Hours		21
TOTAL CREDIT HOURS		60

Art Track Minor Requirements (27 credit hours)

Each student's program will be developed with an advisor from the Visual Arts faculty.

Required Courses:

Course	Course Title	Credits
FA-231	Survey of the Arts	3
AR-101	Introduction to Art	3
AR-103	Drawing I	3

Total Required Course Credit Hours 9

Elective Courses:

18 credit hours of Art (AR) courses, of which nine credit hours must be upper-division courses.

Total Elective Course Credit Hours 18

TOTAL CREDIT HOURS 27

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits FA-231: Survey of the Arts; AR-331: History of Art I.

Music Track Major Requirements (63 credit hours)

Required Courses:

Course	Course Title	Credits
FA-231	Survey of the Arts	3
FA-331	Philosophy of the Arts	3
FA-431	Survival in the Arts	3
MU-101	Music Fundamentals	3
MU-121*	Beginning Class Piano	2
MU-122*	Intermediate Class Piano	2
MU-160	Music Theory I	2
MU-161	Music Theory II	2
MU-170	Ear Training I	2
MU-171	Ear Training II	2
MU-260	Music Theory III	2
MU-261	Music Theory IV	2
MU-310	Music History I	3
MU-311	Music History II	3
MU-315	Instrumental Techniques	3
MU-321	Conducting	3
MU-202	Applied Music	8
MU-302	Intermediate Applied Music	6
MU-402	Senior Recital	2
Choice of:		
MU-104	University Singers	3
MU-105	Band	
Choice of:		
MU-304	Upper Division University Singers	4
MU-305	Upper Division Band	

Total Required Course Credit Hours 63

*By showing proficiency, a student may place out of MU-121 and/or MU-122.

Music Track Minor Requirements (25 credit hours)

Each student's program will be developed with an advisor from the music faculty.

Required Courses:

Course	Course Title	Credits
FA-231	Survey of the Arts	1
MU-104	University Singers	1
MU-105	Band	1
MU-304	Upper Division University Singers	1
MU-305	Upper Division Band	1
Choice of:		
MU-102	World Music	3
MU-106	Introduction to Music	
MU-121*	Beginning Class Piano	2
MU-122*	Intermediate Class Piano	2
8 credits from the following:		
MU-202	Applied Music	8
MU-302	Intermediate Applied Music	

Total Required Course Credit Hours 25

*By showing proficiency, a student may place out of MU-121 and/or MU-122

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – FA-231 Survey of the Arts; MU-310 Music History

Theater Track Major Requirements (50 credit hours)

Each student's program will be developed with an advisor from the Theater faculty.

Required Courses:

Course	Course Title	Credits
FA-231	Survey of the Arts	3
FA-331	Philosophy of the Arts	3
FA-431	Survival in the Arts	3
TH-102	Acting I	3
TH-105	Stagecraft	3
TH-202	Acting II	3

Course	Course Title	Credits
TH-205	Stage Management	3
TH-292	Theater Practicum (must be taken four times)	4
TH-308	Directing	3
TH-315	Scenic Design	3
TH-316	Lighting Design	3
TH-425	Theater History I	3
TH-426	Theater History II	3

Total Required Course Credit Hours 40

Elective Courses:

Any other Theater (TH) course from the list below may only be used when the topic is drama, MU-101, MU-104, MU-110. Other courses may be substituted for the elective requirement if the student gets approval from a Theater advisor prior to enrolling in the class.

Course	Course Title	Credits
AR-103	Drawing I	3
AR-104	Basic Design	3
AR-204	3-D Design	3
AR-205	Basic Watercolor Painting	3
AR-240	Computer Graphic Design	3
AR-323	Gallery Management and Exhibition Design	3
CO-200	Voice and Articulation	3
CO-236	Broadcast Production	3
EN-311	Creative Writing (only if topic is Drama)	3
EN-450	Environmental Literature (only if topic is Drama)	3
MU-101	Music Fundamentals	3
MU-104	University Singers	1
MU-110	Class Voice	1

OR any other Theater (TH) course

Total Elective Course Credit Hours 10

TOTAL CREDIT HOURS 50

Other courses may be substituted for the elective requirement if the student gets approval from a Theater advisor prior to enrolling in the class. Each student's program will be developed with an advisor from the Theater faculty.

Theater Track Minor Requirements (25 credit hours)

Each student's program will be developed with an advisor from the Theater faculty.

Required Courses:

Course	Course Title	Credits
FA-231	Survey of the Arts	3
TH-102	Acting I	3
TH-105	Stagecraft	3
TH-205	Stage Management	3
TH-292	Theater Practicum (must be taken two times)	2
TH-308	Directing	3

Total Required Course Credit Hours 17

Elective Courses:

Any other Theater (TH) courses (not including TH-101) or courses from the Theater Track Major Elective List.

Total Elective Course Credit Hours 8

TOTAL CREDIT HOURS 25

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – FA-231 Survey of the Arts; TH-205; Any

Tier III – Capstone Experience – Major Capstone Experience: FA-431 Survival in the Arts.

GEOGRAPHY MINOR

Prospectus

The Geography Minor Program offers students a series of interdisciplinary, related courses that focus on place and the environment by using spatial perspective. The geography curriculum provides hands on as well as theoretical knowledge and skill in social, economic, cultural, physical and environmental understanding of the world and world's regions. Geography augments all academic majors at UOG and bridges the physical sciences with the humanities and the social sciences. Special emphasis is placed upon sustainability and culture in the Micronesian region. This minor is designed to enhance career preparedness for all majors, including education, health, business, social and physical sciences. The developing GIS certification program is under development to serve the community as well as students.

Learning Outcomes

The Geography Minor is designed to achieve the following student outcomes:

1. Physical geography: Explain and analyze knowledge of facts, functions, and processes of complex earth systems, as well as the methods and techniques used to study these systems.
2. Human geography: Specify complex and changing demographic, population, political, economic, cultural, and environmental patterns within a global context.
3. GIS/Mapping: Understand and apply analytical methods (e.g., map reading, statistics, and advanced geospatial technologies) to geospatial phenomena.
4. Environmental synthesis: Synthesize, evaluate and predict changing human and physical interactive Earth patterns in a spatial environmental framework with special emphasis on the Asia Pacific.

Geography Minor Requirements (22 credit hours)

Required Courses:

Course	Course Title	Credits
GE-101	Introduction to Geography	3
GE-201	World Regional Geography	3
GE-203	Principles of Physical Geography	4
GE-401	Geography of the Pacific	3

Total Required Course Credit Hours 13

Elective Courses:

Nine upper-division credits selected from any of the upper-division Geography courses or from:

Course	Course Title	Credits
NS-330/L	Meteorology w/ lab	4
NS-355/L	Topics in Geology w/ lab	4
NS/AG-380	Principles of Soil Science	4

Total Elective Course Credit Hours **9**

TOTAL CREDIT HOURS **22**

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major); 2) DF or Major Exploration 3) DF Exploration outside major requirement (may apply to a minor or second major) – GE-480, GE-321, GE/AN-341, GE-461, GE/S0465, NS-330, NS-355 and NS-355L, NS/AG380 (electives 9cr see prerequisites on attached minor program advisement sheet)

Tier III – Capstone Experience – 0 Credits in GE (course within major) – GE-401

HISTORY PROGRAM

Prospectus

The faculty of the History program seeks to prepare students for citizenship and leadership in the community. This faculty also seeks to develop its programs to serve community needs in the areas of social and economic development, history, culture, and social problems.

Bachelor of Arts degrees may be obtained with a major or minor in History.

The History program offers courses for either a general knowledge of the history of civilization or for a special knowledge of particular topics and limited time periods. Indispensable to the educated individual, an understanding of history embraces both the development of states and social and cultural institutions. As the story and interpretation of human experience and achievements, the study of history gives perspective to related subjects in the humanities and social sciences.

Students may major in History to gain historical knowledge, to acquire the historical method, to pursue research interests, or to prepare for a career in teaching, the professions or government service.

No additional language requirement exists for students majoring or minoring in history. Majors, however, are encouraged to complete at least two years of a relevant language.

Tracks

All History majors must meet the requirements of one of the following tracks and should seek faculty advisement within their respective track:

History

The History track emphasizes the accumulation of in-depth knowledge in multiple fields of historical inquiry as well as considerable training and practice in historical research, analysis and writing. This track is recommended for students who plan to work in professional fields that require research, writing and analysis or for students who plan to use the history degree as a step towards law school or graduate studies in fields such as History, Anthropology, English Literature, Political Science, and Business.

History for Education

The History for Education track consists of similar course requirements to the History track but additionally ensures that students acquire the knowledge needed to meet the national content standards for Secondary Education Social Studies. Students will complete coursework in the fields of History, Political Science and Geography. Students who choose this track should double major in education, complete the BA + program, or obtain a Master's in Teaching after graduation.

Learning Outcomes

Upon completing a bachelor's degree in History, students will be expected:

1. To be knowledgeable of major historical themes, developments, and events;
2. To read, interpret, and evaluate historical evidence carefully and analytically;
3. To develop skills in conducting independent historical research, including the ability to define a historical problem, locate appropriate evidence, organize information logically, and articulate findings clearly; and
4. To express their historical analyses clearly and persuasively both in written and oral forms.

History Track Requirements (46 credit hours)

Required Courses:

Course	Course Title	Credits
HI-121	World History I	3
HI-122	World History II	3
HI-201	Early America	3
HI-202	Modern America	3

Course	Course Title	Credits
Choice of:		
HI-211	History of Guam	3
HI-243	History of Micronesia	
HI-308	The Historian's Craft	3
HI-313	Research Methodologies in History	3
HI-371	History of East Asia to 1600	3
HI-372	History of East Asia since 1600	3
HI-444	Modern Pacific History from 1850 to the Present	3
HI-492	Practicum: Teaching World History	1

Total Required Course Credit Hours 31

Elective Courses:

Course	Course Title	Credits
15 credits of any upper-division History (HI) courses, which may include:		
PI-301	History of Western Philosophy I	3
PI-302	History of Western Philosophy II	3

Total Elective Course Credit Hours 15

TOTAL CREDIT HOURS 46

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-Req (can be within declared major) – HI-308 2) DF or Major Exploration –HI-121 or HI-122 3) DF Exploration outside major requirements (may apply to minor or second major) – DF or UU non-HI class

Tier III – Capstone Experience – Major Capstone Experience – HI-492

History for Education Track Requirements (49 credit hours)

Required Courses:

Course	Course Title	Credits
HI-121	World History I	3
HI-122	World History II	3
HI-201	Early America	3
HI-202	Modern America	3

Course	Course Title	Credits
Choice of:		
HI-211	History of Guam	3
HI-243	History of Micronesia	
HI-308	The Historian's Craft	3
BA-110	Principles of Economics	3
Choice of:		
GE-101	Introduction to Geography	3
GE-201	World Regional Geography	
PS-101	Introduction to Government and Politics	3
PS-202	Government in the United States	3
HI-313	Research Methodologies in History	3
HI-492	Practicum: Teaching World History	1

Total Required Course Credit Hours 34

Elective Courses:

Course	Course Title	Credits
15 credits of any upper-division History (HI) courses, which may include:		
PI-301	History of Western Philosophy I	3
PI-302	History of Western Philosophy II	3

Total Elective Course Credit Hours 15

TOTAL CREDIT HOURS 49

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-Req (can be within declared major) – HI-308 2) DF or Major Exploration –PS-101, HI-121, HI-122, or HI-243 3) DF Exploration outside major requirements (may apply to minor or second major) – DF or UU non-HI class

Tier III – Capstone Experience – Major Capstone Experience – HI-492

History Minor Requirements (24 credit hours)

Required Courses:

Course	Course Title	Credits
HI-121	World History I	3
HI-122	World History II	3

MODERN LANGUAGE COURSES

Prospectus

Language reflects the culture of a society. Basic cultural assumptions, such as ways of thinking, perceiving, communicating, problem solving, and behaving, are manifested in a society's language. Through the study of a foreign language, students learn to understand different patterns of communication and gain cultural sensitivity and a global perspective.

The College of Liberal Arts and Social Sciences offers various language courses to fulfill the General Education modern language requirement. The college also offers a minor in the Japanese language. Among the modern languages offered are lower-division courses in Chamoru, Chinese, Chuukese, French, German, Japanese, Korean, Pohnpeian, Spanish, and Tagalog. Upper-level courses in Chamoru are also offered. After taking four semesters of the same language, a student can expect to achieve proficiency in reading, speaking, and writing the language.

The General Education modern language requirement may be satisfied by demonstrating first-year language proficiency in one of four ways:

1. Pass one semester of a language (other than English) from courses offered at UOG.
2. Transfer the equivalent of one semester of a language (other than English) from an accredited institution of higher learning.
3. Submit to the dean of the College of Liberal Arts and Social Sciences proof of a) being raised and receiving at least a primary education in a language-other-than-English environment or b) the ability to communicate both orally and in writing in that language.
4. Request credit by examination as per the University's policy.

Japanese Language Minor Requirements (24 credit hours)

Required Courses:

Course	Course Title	Credits
JA-201	Intermediate Japanese I	4
JA-202	Intermediate Japanese II	4
JA-301	Third Year Japanese I	4
JA-302	Third Year Japanese II	4
JA-401	Fourth Year Japanese I	4
JA-402	Fourth Year Japanese II	4

Total Required Course Credit Hours 24

Course	Course Title	Credits
Choice of:		
HI-211	History of Guam	3
HI-243	History of Micronesia	
HI-308	The Historian's Craft	3
Choose one group:		
Group 1:		
HI-201	Early America	3
HI-202	Modern America	3
Group 2:		
HI-371	History of East Asia to 1600	3
HI-372	History of East Asia since 1600	3
Group 3:		
HI-444	Modern Pacific History from 1850 to the Present	3
HI-450	Topics in Pacific History	3
Total Required Course Credit Hours		15

Elective Courses:

Course	Course Title	Credits
9 credits of any upper-division History (HI) courses, which may include:		
PI-301	History of Western Philosophy I	3
PI-302	History of Western Philosophy II	3
Total Elective Course Credit Hours		9
TOTAL CREDIT HOURS		24

PHILOSOPHY PROGRAM

Prospectus

The philosophy program has three goals. First, the philosophy program informs students of the fundamental problems, concepts, and individuals that have dominated the field of philosophy for the last three millennia. Second, it attempts to develop reflective and critical thinking skills that can be applied to these problems, in addition to problems found in all other areas of study. These skills are to be carried with the student long after they leave the university, to be used as valuable reasoning skills that will assist them in future endeavors of almost any kind. Third, the program tries to expose students to the cultures and ways of thinking found in all parts of the world. Philosophy attempts to unearth the basic presuppositions and concepts that underlie a particular worldview and then contrast them meaningfully with other presuppositions and concepts underlying different cultures and worldviews. It is on this fundamental level that one can truly come to understand the unique ways that individuals in each culture approach life and attempt to address the perennial problems that life presents them.

Learning Outcomes

The philosophy program learning objectives follow from the above goals. Upon completion of the program students will have demonstrated:

1. Knowledge and understanding of the historical persons and theories of philosophy;
2. Mastery of careful, rigorous, critical reasoning;
3. Mastery of interpreting philosophical theories, ideas and arguments from both their own culture and others.

Philosophy Major Requirements (36 credit hours) Required Courses:

Course	Course Title	Credits
PI-101	Introduction to Philosophy	3
PI-210	Introduction to Logic	3
PI-301	History of Western Philosophy I	3
PI-302	History of Western Philosophy II	3
Choice of:		
PI-102	Contemporary Ethical Problems	3
PI-103	Introduction to Asian Philosophy	

Total Required Course Credit Hours 15

Elective Courses:

Any philosophy courses, of which 15 credits must be at the 300- or 400-level.

Total Elective Course Credit Hours 21

TOTAL CREDIT HOURS 36

Philosophy Minor Requirements (18 credit hours) Required Courses:

Course	Course Title	Credits
PI-101	Introduction to Philosophy	3
PI-210	Introduction to Logic	3
PI-301	History of Western Philosophy I	3
PI-302	History of Western Philosophy II	3

Total Required Course Credit Hours 12

Elective Courses:

Any 300- or 400-level Philosophy (PI) courses.

Total Elective Course Credit Hours 6

TOTAL CREDIT HOURS 18

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-Req (can be within declared major) – PI-102 2) DF or Major Exploration – PI-301 3) DF Exploration outside major requirements – second semester of language.

Tier III – Capstone Experience – Major Capstone Experience

Ethics Minor Requirements (18 credit hours) Required Courses:

Course	Course Title	Credits
PI-101	Introduction to Philosophy	3
PI-210	Introduction to Logic	3
PI-220	Ethical Theory	3

Total Required Course Credit Hours 9

Elective Courses:

Course	Course Title	Credits
Choose 9 credit hours of the following:		
PI-348	Thanatos: Death and Dying	3
PI-480	Selected Studies in Asian Philosophy	3
PI-481	Selected Topics in Philosophy	3
BA-406	Ethics for the Accountant	3
PA-405	Leadership Ethics in the Professions	3
NU-326	Nursing Management	2
NU-420	Trends in Nursing	2
Total Elective Course Credit Hours		9
TOTAL CREDIT HOURS		18

Ethics Certificate Requirements (12 credit hours)

Required Courses:

Course	Course Title	Credits
PI-102	Contemporary Ethical Problems	3
PI-220	Ethical Theory	3
Total Required Course Credit Hours		6

Elective Courses:

Course	Course Title	Credits
Choose 6 credit hours of the following:		
PI-348	Thanatos: Death and Dying	3
PI-480	Selected Studies in Asian Philosophy	3
PI-481	Selected Topics in Philosophy	3
BA-406	Ethics for the Accountant	3
PA-405	Leadership Ethics in the Professions	3
NU-326	Nursing Management	2
NU-420	Trends in Nursing	2
Total Elective Course Credit Hours		6
TOTAL CREDIT HOURS		12

POLITICAL SCIENCE PROGRAM

Prospectus

Political science provides knowledge of the theory and practice of political power, authority, and justice, with focus on the United States and the Asia-Pacific region. A political science degree prepares students for careers in government and politics, law, teaching, and business or for graduate studies in a wide range of professional areas.

The program includes a variety of courses that comprise three main subfields of Political Science: Comparative Politics, International Relations, and American and Regional Government and emphasizes reasoned evaluation of societal principles, analysis of political behavior, and the logical expression of thought. As a discipline, political scientists are primarily concerned with the role of power in the process of making or influencing decisions, from the international system to governments and non-state actors. Howard Laswell defined politics as "who gets what, when, and how." Political science analyzes and investigates these power processes and addresses issues like the distribution of public goods and services, military posturing in the region, and the impact of climate change on food security and economic problems.

Political science makes understanding political processes and institutions in the Micronesian and Asia Pacific regions the focus of student learning, discovery, research, service, and extra-institutional collaboration. The Political Science Program centers Guam as the focal point of our analyses in order to help students understand politics from a multi-scalar perspective. The program shares a commitment to critiquing dominant centers and processes of power affecting our island and region such as colonization, economic development, and militarization as well as providing a basic overview of the scope of political science in general.

Learning Outcomes

Upon completion of a major or double major in political science, students will have demonstrated achievement of the following program learning objectives:

1. Explain the American political system and its relationship to the Micronesian region.
2. Apply theories to the study of domestic and international conflict.
3. Compare political systems of Asia Pacific with each other and with those of other regions.
4. Design a political research project that incorporates principles of social science inquiry.
5. Evaluate political speech and acts for their embedded values.

Tracks

All Political Science majors must meet the requirements of one of the following tracks and should seek faculty advisement within their respective track:

Political Science

The Political Science track provides students with a range of courses in three major subfields of Political Science: American and Regional Government, Comparative Politics, and International Relations. Students acquire theoretical knowledge and develop a set of critical and analytical skills about institutions of government and politics.

Government for Education

The Government for Education track focuses on providing students with the knowledge needed to meet the national content standards for Secondary Education: Social Studies. Students will complete course work in the fields of Political Science, History, and Geography with a focus on government and politics. Students who choose this track should double major in education, complete the BA+ program, or obtain a master's in teaching after graduation.

Political Science Minor

The minor in Political Science requires 21 credit hours. It is particularly suited for students who need a strong background in government and politics for their professional work or graduate studies.

Credit for AP Examination in Political Science

Students who report a score of 3 on the Advanced Placement U.S. Government examination will a) fulfill prerequisite requirements of other Political Science courses for PS-202 Government in the United States and b) fulfill the Political Science major/minor requirement for PS-202. Students who report scores of 4 or 5 on this exam will additionally receive three hours of academic credit equivalent to one semester in PS-202. Students who report a score of 4 or 5 on the AP Comparative Government examination will be considered to have met the PS-101 course requirement for the Political Science major; however, no academic credit will be awarded.

Progress in the Political Science Major

Students must receive a grade of "C" or better in any Political Science course to be credited toward completion of the major. This requirement applies to the 36 credits in Political Science counted specifically toward completion of major requirements: the eight required Political Science courses, plus four elective courses. It does not apply to General Education courses or to generic electives.

Political Science Track Major Requirements (49 credit hours)

General Education:

Political Science: Political Science Track majors should complete the following courses in partial fulfillment of the General Education Diversity Foundation and Direction Building requirements.

Tier II: Diversity Foundation

Recommended Course		Credits
Science & Math	Any course in this category	4
Human Sciences	PS-215 International Relations	3
Creative & Expressive Arts	Any course in this category	3
Human Systems & Organizations	PS-101 Introduction to Government and Politics	3
Cultural Perspectives	PS-202 Government in the United States	3
Uniquely UOG	Any 101 or 102 language	3
	PS-225 State and Territorial Government	4

After declaring as a Political Science – Political Science track major, students will take the following to complete this General Education requirement:

Tier II: Diversity Building

Recommended Course		Credits
CF, DF, or UU as pre-requisite	Choice of: PS-300 Research Methodology in Political Science PS-302 Comparative Politics	3
DF or major exploration	PS-482 Special Topics in Political Science	3
DF exploration outside major requirements	(Any course in this category)	3

Tier III: Capstone Experience

Recommended Course		Credits
PS-492	Capstone in Political Science	0

Required Courses:

Course	Course Title	Credits
PS-101	Introduction to Government and Politics	3
PS-202	Government in the United States	3
PS-215	International Relations	3
PS-225	State and Territorial Government	3
PS-300	Research Methodology in Political Science	3
PS-302	Comparative Politics	3
Choice of:		
PS-304	Politics of Asia	3
PS-306	Politics of Developing Nations	
PS-307	Comparative Politics of Economic Development	
PS-326	Political Philosophy	3
PS-398	Internship	3
Choice of:		
PS-412	Politics of Micronesia	3
PS-440	Indigenous Politics	
PS-492	Capstone in Political Science	1
BA-110	Principles of Economics	3
MA-151	Introductory Statistics	3
Total Required Course Credit Hours		37

Elective Courses:

Any combination of upper-division (300- and 400-level) Political Science (PS) courses. At least one course must be a 400-level course or MA-385 Applied Statistics.

Total Elective Course Credit Hours **12**

TOTAL CREDIT HOURS **49**

Government for Education Track Major Requirements (49 credit hours)**General Education:**

Political Science – Government for Education track majors should complete the following courses in partial fulfillment of the General Education Diversity Foundation and Direction Building requirements.

Tier II: Diversity Foundation

Recommended Course		Credits
Science & Math	GE-203/L Principles of Physical Geography	4
Human Sciences	Choice of:	3
	GE-101 Introduction to Geography	
	PS-215 International Relations	
Creative & Expressive Arts	Any course in this category	3
Human Systems & Organizations	Choice of:	3
	GE-201 World Regional Geography	
	HI-121 World History I	
	HI-122 World History II	
Cultural Perspectives	PS-101 Introduction to Government and Politics	3
	Choice of:	
	HI-211 History of Guam	
Uniquely UOG	PS-202 Government in the United States	4
	Any 101 or 102 language	
	HI-211 History of Guam	
	PS-225 State and Territorial Government	3

After declaring as a Political Science – Political Science track major, students will take the following to complete this General Education requirement:

Tier II: Diversity Building

Recommended Course	Credits
CF, DF, or UU as pre-requisite	PS-302 Comparative Politics 3
DF or major exploration	PS-402 American Constitutional Development/Law 3
DF exploration outside major requirements	Any course in this category 3

Tier III: Capstone Experience

Recommended Course	Credits
PS-492	Capstone in Political Science 0

Required Courses:

Course	Course Title	Credits
PS-101	Introduction to Government and Politics	3
PS-202	Government in the United States	3
PS-215	International Relations	3
PS-225	State and Territorial Government	3
Choice of:		
GE-101	Introduction to Geography	3
GE-201	World Regional Geography	
Choice of:		
HI-121	World History I	3
HI-122	World History II	
Choice of:		
HI-201	Early America	3
HI-202	Modern America	
PS-302	Comparative Politics	3
Choice of:		
PS-304	Politics of Asia	3
PS-412	Politics of Micronesia	
PS-307	Comparative Politics of Economic Development	3
PS-402	American Constitutional Development/Law	3
PS-426	American Political Thought	3
PS-492	Capstone in Political Science	1
BA-110	Principles of Economics	3

Total Required Course Credit Hours 40

Elective Courses:

Any combination of upper-division (300- and 400-level) Political Science (PS) courses (at least one course must be a 400-level course).

Total Elective Course Credit Hours 9

TOTAL CREDIT HOURS 49

Political Science Minor Requirements (21 credit hours)

Required Courses:

Course	Course Title	Credits
PS-101	Introduction to Government and Politics	3
PS-202	Government in the United States	3
PS-215	International Relations	3
PS-225	State and Territorial Government	3

Total Required Course Credit Hours 12

Elective Courses:

Any upper-division (300- or 400-level) Political Science (PS) courses.

Total Elective Course Credit Hours 9

TOTAL CREDIT HOURS 21

PSYCHOLOGY PROGRAM

Prospectus

As a behavioral science, and as a distinct but integral part of natural science, psychology links the social and biological sciences. The major areas of psychological study focus on individual human behavior conceptualized as a natural phenomenon; studied by scientific methods, including experimentation; and understood in terms of psychological theories and laws. Psychology addresses critical issues within the Micronesian region, including drug abuse, domestic violence, and the prevention of suicide.

The general objectives of the program in Psychology are to increase students' understanding of themselves and others, to enhance the skills of those specializing in related areas of study, and to prepare those pursuing psychology

for careers — e.g., in mental health and social services, child and family services, substance abuse counseling, residential care, rehabilitation, case management — and for graduate study.

Learning Outcomes

The student learning objectives for the Psychology Program are articulated with those of the American Psychological Association. Graduating students will demonstrate that they have:

1. Developed a broad and deep knowledge base in psychology;
2. Acquired and can appropriately apply knowledge of psychological research skills;
3. Acquired and can appropriately apply critical thinking skills in psychology;
4. Developed competence in making appropriate applications of psychology;
5. Acquired and can appropriately apply the values of psychology;
6. Developed competence in information and technological literacy;
7. Developed competence in communication skills;
8. Acquired and can appropriately apply sociocultural and international awareness;
9. Acquired effective personal development skills;
10. Acquired knowledge and competence in career planning and development.

Progress in the Psychology Major

Students must receive a grade of "C" or better in any course to be credited toward completion of the Psychology major. This requirement applies only to the 42 credits counted specifically toward completion of Psychology major requirements: the six required courses, plus eight elective courses in psychology. It does not apply to General Education courses or to generic electives.

Psychology Major Requirements (41-42 credit hours)

Required Courses:

Course	Course Title	Credits
PY-101	General Psychology	3
PY-210/L	Introduction to Experimental Psychology w/ lab	4
PY-413	Research Methodology in the Behavioral Sciences	3
PY-413L/G	Research Methodology in the Behavioral Sciences Lab	1
Choice of:		
PY-492a	Psychology Practicum	3
PY-492b	Psychology Practicum	
Choice of:		
MA-385	Applied Statistics	3
MA-387/L	Statistics for Sciences/Lab	3/1

Total Required Course Credit Hours 17-18

Elective Courses:

At least 18 hours of upper-division courses. Six hours of these must be 400-level Psychology (PY) courses; otherwise, students may select from upper-division (300- and 400-level) Psychology courses or from BI-157/157L and BI-158/158L. Student must also take an additional six hours of electives selected from any non-required Psychology course.

Total Elective Course Credit Hours 24

TOTAL CREDIT HOURS 41-42

Psychology Minor Requirements (19 credit hours)

Required Courses:

Course	Course Title	Credits
PY-101	General Psychology	3
PY-210/L	Introduction to Experimental Psychology w/ lab	4

Total Required Course Credit Hours 7

Elective Courses:

Any 200-, 300-, or 400-level Psychology (PY) courses, six credits of which must be at the 400 level.

Total Elective Course Credit Hours 12

TOTAL CREDIT HOURS 19

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – PY-210/L; 2) DF or Major Exploration – Any DF course in BI, PI, SO or SW; or any course from this list: PY-100, PY-201, AN-101 or WG-101. ; 3) DF Exploration outside major requirement (may apply to a minor or second major) – BA-260, EN-311, EN-316, EN-319, or any other DF course.

Tier III – Capstone Experience – Major Capstone Experience: (May apply to a minor or second major) – PY-413.

SOCIOLOGY PROGRAM

Prospectus

The Sociology Program is designed to provide students with a broad base of skills that would allow them to pursue careers in journalism, politics and government, public relations, business, criminal justice, social work and public administration. Additionally, the Sociology major program will also provide training for those students wishing to pursue graduate degrees in Sociology and other related disciplines. Today, the study of social relations is basic to every type of human endeavor. Government planning, human service work, economic development, personnel management, and the many other activities of our modern world require an understanding of the social system and how individuals fit into it. The program in Sociology prepares the student for further graduate study or for entrance level positions involved with the analysis, interpretation, and evaluation of human social behavior.

The general objectives of the Sociology minor are to enable a student to obtain the skills and theoretical concepts used to study individuals within social groups, the organization of groups, relations between groups, and the processes that maintain or change these social structures of familial, economic, and political life.

Learning Outcomes

The learning objectives of the Sociology Program are based on those of the American Sociological Association. Graduating students must be able to demonstrate their understandings and application of:

1. The discipline of Sociology and its role in contributing to our understanding of social reality such that the student can apply the sociological imagination and Sociological principles and concepts to any social topic, including to her or his own life;
2. The role of theory in Sociology, such that the student will be able to define theory and describe its role in generating sociological knowledge, and be able to compare and contrast basic theoretical perspectives;

3. The role of empirical evidence and the application of qualitative and quantitative research methodologies in collecting data, the ability to design a research study, collect and analyze data, and present the findings in research paper format;
4. Technical skill in retrieving information and data from archival sources, the internet and other data storage formats, and the use of computers for data analysis;
5. Scientific technical writing that accurately conveys the data findings. An understanding of the issue and the ability to apply the principles of ethical practices in Sociology.

Areas of Concentration

Students must choose one (or more) areas of concentration and take no fewer than nine credit hours in their area.

- Gender and Family Studies
- Social Problems Studies
- Development Studies

Sociology Major Requirements (42–43 credit hours)

Required Courses:

Course	Course Title	Credits
SO-101	Introduction to Sociology	3
SO-203	Introduction to Quantitative and Qualitative Research Methods	3
SO-350	Development of Sociological Theory-Classical	3
SO-351	Development of Sociological Theory-Contemporary	3
SO-414	Research Methodology in Sociology	3
SO-491	Sociological Research Seminar	3
Choice of:		
MA-385	Applied Statistics	3
MA-387/L	Statistics for Sciences/Statistics for Sciences Lab	3/1

Total Required Course Credit Hours

21–22

Elective Courses:

Twenty-one credit hours from 100, 200, 200, and 400 level courses in Sociology or program designated Sociology electives.

Students must choose one (or more) areas of concentration and take no fewer than nine credit hours' worth of electives in their concentration. No fewer than six credit hours from the 400-level coursework toward completion of major requirements.

Note: A course can only be used once.

Total Elective Course Credit Hours **21**

TOTAL CREDIT HOURS **42-43**

Gender and Family Studies Concentration Requirements (9 credit hours)

Required Courses:

Course	Course Title	Credits
WG-101	Introduction to Women and Gender Studies	3
SO/WG-230	Marriage and the Family	3
SO-342	Sociology of Sex and Gender	3
SO-445	Inequality and Identity	3
SO-455	Sociology of Women	3

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

SO-480	Special Topics	
SO-491	Sociological Research Seminar	3-6
SO-498	Internship	

Total Concentration Credit Hours **9**

Social Problems Studies Concentration Requirements (9 credit hours)

Required Courses:

Course	Course Title	Credits
SO/AN/NU/SW-344	Aging: Myths & Realities	3
SO-202	Contemporary Social Problems	3
SO-221	Sociology of Health and Medicine	3
SO-302	Deviance and Social Control	3
SO-386	Juvenile Delinquency and Criminology	3
SO-411	Social Issues in Micronesia and Guam	3
SO-418	Social Stratification	3
AN-421	Cross-Cultural and Sociological Problems of Guam	3
PY-440	Social Psychology	3

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

SO-480	Special Topics	
SO-491	Sociological Research Seminar	3-6
SO-498	Internship	

Total Concentration Credit Hours **9**

Development Studies Concentration Requirements (9 credit hours)

Required Courses:

Course	Course Title	Credits
PS-304	Politics of Asia	3
SO-332	Generalist Social Work Practice Methods III	3
GE/AN-341	Cultural Ecology	3
SO-360	Social Movements and Change	3
SO-405/G	Community Development	3
MI-520	Economic Development and Change in Micronesia	3
SO/GE-475	Human Ecology: Problems and Solutions	3

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

SO-480	Special Topics	
SO-491	Sociological Research Seminar	3-6
SO-498	Internship	

Total Concentration Credit Hours 9

Sociology Minor Requirements (18 credit hours)

Required Courses:

Course	Course Title	Credits
SO-101	Introduction to Sociology	3

Total Required Course Credit Hours 3

Elective Courses:

Any 200-level and above Sociology courses, six credit hours of which must be at the 300- or 400-level.

Total Elective Course Credit Hours 15

TOTAL CREDIT HOURS 18

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – SO-203; 2) DF or Major Exploration – SO-350; 3) DF Exploration outside major requirement (may apply to a minor or second major) - MA-151

Tier III – Capstone Experience – Major Capstone Experience: 1) Major Capstone Experience – SO-491

WOMEN AND GENDER STUDIES PROGRAM

Prospectus

The Women and Gender Studies Program is an interdisciplinary minor and certificate program designed to provide students with a women-focused curriculum that fully incorporates the concept of gender and is responsive to the issues, experiences, research, and discourse of women in Guam, throughout Micronesia, and across cultures.

The program has five main objectives:

1. To offer an interdisciplinary program that will broaden understanding of the significance of gender in the lives, identities, activities, opportunities, and concerns of women in Guam, in other areas of Micronesia, and across cultures.
2. To provide degree students with a women- and gender-focused curriculum that will enhance their major field or study by highlighting issues, experiences, research and discourse relevant to women locally, throughout Micronesia, and in a global context.
3. To offer non-degree seeking students the opportunity to gain knowledge of women- and gender-centered teaching and research that is responsive to the needs and interests of women in the multicultural community of Guam and culturally diverse Micronesian region within a comparative framework.
4. To provide professional women as well as non-professional community-based women with a series of female-oriented courses and workshops that will empower and enrich their own lives and sense of identity as well as that of their families and communities.
5. To establish a research program that will investigate the needs and issues critical to women in Guam and throughout Micronesia, and which will serve to increase women's visibility locally and internationally.

Learning Outcomes

Upon the completion of the Women and Gender Studies minor, students will demonstrate the ability to:

1. Understand and critique the significance of gender in the lives, identities, activities, opportunities, and concerns of women and men locally, regionally and transnationally.
2. Analyze how gendered identities intersect with race, class, and sexual orientation and how systems of inequality and oppression operate and are sustained.
3. Examine theoretical and practical connections between feminist studies and their major field of study by highlighting issues, experiences, gender research and discourses relevant to Guam, Micronesia, and the global community.
4. Engage in research mindful of the needs and issues critical to women in Guam and throughout Micronesia, which will increase regional feminist scholarship.

Women and Gender Studies Minor Requirements (18 credit hours)

Required Courses:

Course	Course Title	Credits
WG-101	Introduction to Women and Gender Studies	3

Choice of:

WG-201	Gender and Society	3
SO/WG-230	Marriage and the Family	
WG-490	Special Project	3

Total Required Course Credit Hours 9

Elective Courses:

Six credits must be upper division and outside of the student's major field of study, selected from those in other programs cross-listed with Women and Gender Studies. The following courses may be taken when topic is women- and gender-focused:

Course	Course Title	Credits
WG-323	Literature by Women	3
EN-460	Literatures in English	3
WG-461	Pacific Women Writers	3
SO/WG-230	Marriage and the Family	3
SO-342	Sociology of Sex and Gender	3
SO-455	Sociology of Women	3
PY/WG-455/G	Psychology of Women	3
PY-491	Psychological Research Seminar	3
AL-330	Nutrition Throughout the Lifespan	3
AL-450	Family Resources	3
SW-480	Family Violence	3
SW-345	Social Justice	3
HI-450	Topics in Pacific History	3

Total Elective Course Credit Hours 9

TOTAL CREDIT HOURS 18

Women and Gender Studies Certificate Requirements (12 credit hours)

Required Courses:

Course	Course Title	Credits
WG-101	Introduction to Women and Gender Studies	3

Total Required Course Credit Hours 3

Elective Courses:

Course	Course Title	Credits
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The following course may be taken when topic is women and gender-focused:

WG-201	Gender and Society	3
WG-323	Literature by Women	3
EN/G-460	Literatures in English	3
WG-461	Pacific Women Writers	3
SO/WG-230	Marriage and the Family	3
SO-342	Sociology of Sex and Gender	3
SO-455	Sociology of Women	3
PY/WG-455/G	Psychology of Women	3
PY-491	Psychological Research Seminar	3
AL-330	Nutrition Throughout the Lifespan	3
AL-450	Family Resources	3
SW-480	Family Violence	3

Students may also choose elective courses from other programs cross-listed with Women and Gender Studies or special workshops offered by the program.

Total Elective Course Credit Hours 9

TOTAL CREDIT HOURS 12

COLLEGE OF NATURAL AND APPLIED SCIENCES

DEGREE PROGRAMS

Bachelor's Degrees

- Bachelor of Science in Agriculture and Life Sciences
 - Agriculture and Natural Resource Science
 - Tropical Agriculture Production
 - Human Nutrition and Food Sciences
 - Child and Family Life Sciences
- Bachelor of Science in Biology
 - Integrative Biology
 - Bio-Med
 - Applied Biology
- Bachelor of Science in Chemistry
 - Chemistry
 - Chemistry Pre-Pharmacy
 - Chemistry Teaching
 - Chemistry-Biology Dual Degree
- Bachelor of Science in Computer Science
- Bachelor of Science in Mathematics

Minors

- Biology
- Chemistry
- Computer Science
- Crop and Environmental Protection Science
- Farm and Natural Resource Management
- Food Science
- Mathematics
- Military Science (Reserve Officer Training Corps)
- Nutrition
- Tropical Horticulture

Master's Degrees

- Master of Science in Biology
- Master of Science in Environmental Science
- Master of Science in Sustainable Agriculture, Food, and Natural Resources

Secondary Education Option Specializations

- General Science
- Mathematics

Pre-Professional Tracks

- Premedical
- Preoptometry
- Predental
- Preveterinary
- Prepharmacy

ABOUT THE COLLEGE

The College of Natural & Applied Sciences (CNAS) was created in 2003 by combining the former College of Agriculture & Life Sciences with the Mathematical Sciences, Natural Sciences, & Pre-professional Programs from the former College of Arts & Sciences and the Military Science Program from the former College of Business & Public Administration.

CNAS administers courses in military science and agriculture as part of the federal land grant mandate.

ACADEMIC MISSION

The mission of the College of Natural & Applied Sciences is to discover and share science-based knowledge that improves quality of life and learning in Guam and the Western Pacific. The college carries out the University's land-grant mission via instruction, research, outreach/extension, and service. All four endeavors identify and respond to the needs of the multicultural communities of our islands and beyond. Under this mission, the college strives to:

- deliver quality science programs that are relevant to local community, nationally competitive, and recognized globally;
- graduate students skilled in problem-solving, critical thinking, communications, and lifelong- learning for successful careers;
- provide a nurturing multicultural environment for student and faculty success;
- foster a culture of partnership with communities in recognizing and responding to local and regional concerns; and
- promote responsible and practical application of knowledge to our island community and Pacific region.

VISION

As the home of the U.S. Department of Agriculture land-grant programs, the College of Natural & Applied Sciences fosters creativity in research, innovation in teaching, and leadership in community engagement to address community needs. CNAS strives to be the college of first choice for science-based education, research, and community outreach.

ADMISSION AND OTHER PROGRAM REQUIREMENTS

A student planning to enroll in the College of Natural & Applied Sciences should be familiar with the general requirements and procedures for admission to the University (see Academic Rules and Regulations). Every student should obtain an academic advisor to assist them in learning and complying with these requirements. Refer to individual program description for specific requirements.

ADVISEMENT

The College of Natural & Applied Sciences is responsible for the academic advisement of students who have declared a major in the college's academic disciplines, pre-professional programs, or military science. Advisement is essential to the planning of appropriate and efficient student schedules. A student who has not declared a major must consult the Student Counseling Office for advisement.

Students with less than 60 credit hours and advisement for pre-professional tracks should contact the following underclassmen advisor:

Katrina Quinata
Science Building Room 100
Tel: 735-0317 Fax: 734-4582
Email: quinatak@triton.uog.edu

Students with more than 60 credit hours should contact one of the liaisons in their declared major or minor and request assignment to an advisor in that field. Listed in the Faculty Advisors page are the faculty advisement liaisons for all CNAS major and minor programs.

DEVELOPMENTAL COURSES

Developmental Mathematics (MA085a-b or MA089)

The Fundamentals of Mathematics course is designed to provide the background necessary for advancement in mathematics and success in all disciplines. Placement into this course is determined by the Mathematics Placement Test. For information and questions, please contact: uogaccuplacer.mpt@gmail.com.

Note: Placement in Developmental Mathematics is determined by scores on the Mathematics Placement Test. All students must take the test before enrolling in their first mathematics class at UOG. Students placed into MA-085a-b or MA-089 or MA-110/MA-151 should seek appropriate advisement when choosing other courses.

STUDENT ORGANIZATIONS

Students have opportunities for involvement in a wide variety of organizations sponsored by the academic disciplines within the College of Natural & Applied Sciences. Clubs associated with the College include:

Student Organization	Faculty Advisor
Agriculture & Life Sciences Club	Dr. Tanisha Aflague Dr. Mari Marutani
Biological Sciences Club	Dr. Daniel Lindstrom Dr. Katherine Loftdahl
Chemistry Student's Club	Dr. Tedros Bezabeh
Engineering, Mathematics, and Computer Science Club (EMC ²)	Dr. Yoshifumi Takenouchi Dr. JaeYong Choi
School of Health Club	
Titan Warriors	Master Sgt. John Howerton
Titan Athletics Club	

ADMINISTRATION

The dean of the College of Natural & Applied Sciences serves to direct and supervise the teaching, research, and extension/outreach activities of CNAS. Questions about any of the college programs should be directed to:

Dr. Lee Yudin
Dean
College of Natural & Applied Sciences
University of Guam
UOG Station
Mangilao, Guam 96923
Tel: 735-2000 Fax: 734-4600
Email: lyudin@triton.uog.edu

Assisting the dean in academic matters is an associate dean. Questions about scheduling and course offerings should be directed to:

Dr. Kate Moots

Interim Associate Dean
College of Natural & Applied Sciences
Tel: 735-2006 Fax: 734-4600
Email: kmoots@triton.uog.edu

Assisting the dean in USDA research is the associate director of the Western Pacific Tropical Research Center. Questions about this program should be directed to:

Dr. Adrian Ares

Interim Associate Director/Dean
Western Pacific Tropical Research Center
Tel: 735-2005 Fax: 734-4600
Email: adriana@triton.uog.edu

Assisting the dean in extension/outreach is the associate director of the Cooperative Extension & Outreach. Questions about this program should be directed to:

Dr. Sereana Dresbach

Associate Dean/Director
Cooperative Extension & Outreach
Tel: 735-2004 Fax: 734-4600
Email: shdresbach@triton.uog.edu

DEGREE PROGRAMS

COLLEGE OF NATURAL AND APPLIED SCIENCES

AGRICULTURE AND LIFE SCIENCES PROGRAM

Prospectus

The undergraduate Agriculture and Life Sciences Program serves both College of Natural & Applied Sciences majors and non-major students of the University of Guam and other regional institutions. The program prepares majors to graduate with the knowledge, skills, and values that will enable them to succeed in professions (both public and private) in the life sciences and agriculture; graduate or other professional schools; and contributing to their families and communities. To non-majors, the program offers disciplinary knowledge and skills in agriculture and the life sciences through courses and minor programs.

Given the relevance of the program's disciplines to Guam's sustainability, we actively develop our courses to both interest and accommodate students from other disciplines at both the lower- and upper-division levels. The Agriculture and Life Sciences Program curriculum provides graduates with education, work, and training experiences designed to guide them into becoming professionals and leaders in Guam, the Western Pacific, and globally.

Learning Outcomes

1. Disciplinary knowledge and skills:
Graduates will demonstrate integrated knowledge in their chosen fields of study and related sciences.
2. Research skills:
Graduates possess critical thinking and analytical skills. Graduates are competent in basic procedures and safety protocols in conducting research. Graduates can use their knowledge and understanding of scientific concepts to explain and solve problems in their field.
3. Analytical skills:
Graduates can apply quantitative and/or qualitative analytical methods in agriculture and the life sciences.
4. Communication skills:
Graduates can gather and assess information and use it to create effective research and outreach communication media and oral presentations.
5. Ethics and professionalism:
Graduates understand the ethical principles underlying research, publication, and professional behavior. Graduates can demonstrate teamwork and networking skills, and understand the importance of providing correct credit for others' work.
6. Multicultural competence:
Graduates will develop cross-cultural respect and a foundation for life-long multicultural competence.

7. Life-long learning and integration of knowledge from the sciences and the arts:
 Graduates can empower themselves through life-long learning to enhance their knowledge base, and demonstrate an ability to integrate knowledge from the sciences and the arts.

Tracks

The Bachelor of Science in Agriculture and Life Sciences degree program has four tracks:

Agriculture and Natural Resource Science

The Agriculture and Natural Resource Science track is intended for students who wish to continue their studies at the graduate level. This course of study will provide students with the necessary background to pursue the University's Master of Science degree in Sustainable Agriculture, Food, and Natural Resources or Environmental Science or any graduate program in agriculture and related fields in the United States or abroad. With advanced training, the student could become a scientist working in a wide variety of fields, or a professional in areas of engineering, veterinary medicine and natural resources.

Tropical Agriculture Production

The Tropical Agriculture Production track is intended for students interested in professional careers in agriculture and related fields. The core courses will provide students with a broad foundation in agriculture with a concentration in tropical agriculture. Potential careers include an agriculture agent; quarantine officer; farm, landscape, or nursery management; agribusiness entrepreneur; natural resource conservation technician; service professional working with agricultural loans, crop assessment and forecasting agencies in government or private industry.

Human Nutrition and Food Sciences

Students majoring in the Human Nutrition and Food Sciences track are prepared for diverse careers in nutrition and food as well as to continue on to an approved dietetics program to become an eligible registered dietitian or pursue graduate school in a related field. The Human Nutrition and Food Sciences field of study includes work in environments such as the food industry, health care, and fitness facilities, nutrition education, extension education in nutrition, government or private-sector food and nutrition agencies, and science education.

Child and Family Life Sciences

The Child and Family Life Science track prepares students for careers with a diverse range of agencies and organizations that focus on improvement and/or maintenance of the well-being of individuals, families and communities in Guam, the Western Pacific, and the world. Professional networking opportunities with Guam-based organizations and community groups are fostered through the capstone experience requirements for the Agriculture and Life Sciences degree.

Grade Requirements

Agriculture and Life Science majors must have a "C" or better in all courses required for the major.

Agriculture and Life Sciences Major Requirements (112–130 credit hours)

General Education Courses	35–47 credit hours
ALS Core Courses	22–25 credit hours
Track-Specific Courses	55–60 credit hours
Total Credit Hours	112–130 credit hours*

*Students must complete a minimum of 15 credits of upper-division Agriculture and Life Sciences courses.

General Education:

Students must complete the General Education requirements listed in this catalog. Some of these courses are also Agriculture and Life Sciences program requirements and may be applied toward both sets of requirements. Consult your CNAS academic advisor or major advisor for recommendations that may count toward both General Education and major requirements.

Total General Education Credit Hours 35-47

ALS Core Courses:

Course	Course Title	Credits
AL-101/L*	Introduction to Agriculture	4
Choice of:		
MA-151	Introductory Statistics	3-4
MA-387/L	Statistics for Sciences	
BI-412/L	Biometrics	
Choice of:		
MA-161a	College Algebra and Trigonometry	3-5
MA-165	Pre-Calculus	
AL-185*	Human Nutrition	3
AL-351	Personal and Family Financial Management	3

Course	Course Title	Credits
Choice of:		
AL-490	ALS Special Projects	3
AL-498	ALS Internship	
AL-499*	ALS Capstone Seminar	3
Total ALS Core Credit Hours		22-25

*Note: These courses may also apply to General Education requirements.

Track-Specific Courses:

Upon entering the program track, students will be assisted by an academic adviser to identify their career objectives and select an appropriate option for study.

When selecting electives, students are encouraged to complete one or more of the many minor options offered under the program. The minor options are designed to provide areas of specialization to both Agriculture and Life Sciences majors and non-majors.

Agriculture and Natural Resource Science Track Requirements (55 credit hours)

Required Courses:

Course	Course Title	Credits
BI-157/158L	Principles of Biology I and II	8
BI-315	General Genetics	4
CH-102/103	General Chemistry I and II	8
CH-310a/311	Organic Chemistry A	5
MA-203	Calculus I	5
PH-251/210	University Physics A	5
Choice of:		
AL-136	Science of Aquaculture	4
AL-211	Introduction to Animal Science	
AL-281	Principles of Horticultural Science	4
Choice of:		
AL-323	Plant Pathology	4
AL-340	Pest Management	
AL-345	General Entomology	

Course	Course Title	Credits
AL-380	Principles of Soil Science	4
Total Required Credit Hours		51

Elective Courses:

Upper-division electives selected with an advisor. It is recommended to coordinate electives with Agriculture and Life Sciences or other UOG minor options.

Total Elective Course Credit Hours: 4

TOTAL TRACK CREDIT HOURS: 55

Tropical Agriculture Production Track Requirements (59 credit hours)

Required Courses:

Course	Course Title	Credits
Choice of:		
CH-100/101	Introduction to Inorganic / Organic Chemistry	8
CH-102/103	General Chemistry I and II	
AL-102	Introduction to Plant Science	4
Choice of:		
AL-136	Science of Aquaculture	4
AL-211	Introduction to Animal Science	
AL-281	Principles of Horticultural Science	
AL-321	Horticulture Plant ID	4
AL-323	Plant Pathology	4
AL-340	Pest Management	4
AL-345	General Entomology	4
AL-380	Principles of Soil Science	4
Choice of:		
AL-389	Extension Programs and Planning	3
AL-451	Agricultural Business Management	

Course	Course Title	Credits
Choice of:		
AL-484	Tropical Vegetable Production	4
AL-485	Tropical Fruits Horticulture	
AL-486	Ornamental Crop Production in the Tropics	
Total Required Credit Hours		47

Elective Courses:

Upper-division electives selected with an advisor. It is recommended to coordinate electives with Agriculture and Life Sciences or other UOG minor options.

Total Elective Course Credit Hours 12

TOTAL TRACK CREDIT HOURS 59

Human Nutrition and Food Sciences Track Requirements (58–60 credit hours)

Required Courses:

Course	Course Title	Credits
CH-102/CH-103	General Chemistry I and II	8
BI-124/125	Anatomy and Physiology I and II	8
AL-140/L	Scientific Principles of Food Preparation	4
CH-310a/311	Organic Chemistry A	5
AL-330	Nutrition Throughout the Lifespan	3
AL-335	Nutrition for Health, Fitness and Sports	3
AL-340/L	Pest Management	4
AL-439	Community Nutrition	3
AL-445/G	Food Chemistry	3
AL-460/G	Advanced Human Nutrition	4
Choice of:		
AL-470	Nutrition Education	3
BI-225	Basic Microbiology	

Course	Course Title	Credits
Choice of:		
AL-455/G and AL-475 or AL-300	Nutritional Assessment Medical Nutrition Food Processing Technology	4-6
Total Required Credit Hours		52-54

Elective Courses:

Upper-division electives selected with an advisor. It is recommended to coordinate electives with Agriculture and Life Sciences or other UOG minor options.

Total Elective Course Credit Hours 6

TOTAL TRACK CREDIT HOURS 58-60

Child and Family Life Sciences Track Requirements (58–59 credit hours)

Required Courses:

Course	Course Title	Credits
AL-140	Scientific Principles of Food Preparation	4
Choice of:		
HS-200	Health and Wellness	3
ED-363	Physical Education and Health Methods Elementary	
ED-201	Human Growth & Development	3
AN-212	Cultural Anthropology	3
SO-230	Marriage and Family	3
Choice of:		
SO-332	Globalization & Human Dynamics	3
SO-360	Social Movements and Change	
Choice of:		
HS-210	Human Biology and Behavior	3-4
BI-110	Human Biology	

Course	Course Title	Credits
SW-313	Research Methods for Health and Social Services	3
ED-300	Educational Psychology	3
AL-330	Nutrition Throughout the Lifespan	3
SW-344	Aging: Myths and Realities	3
Choice of:		
AL-309	Youth At-Risk	3-4
PE-214	Community Health for Educators	
ED-350	Effective Teaching Strategies for the Elementary Multicultural Classroom	3
AL-389	Extension Programs & Planning	3
AL-450	Family Resources	3
Choice of:		
SW-480	Family Violence	3
ED-334	Solving Discipline Problems	
Total Required Credit Hours		49-50

Elective Courses:

Upper-division electives selected with an advisor. It is recommended to coordinate electives with Agriculture and Life Sciences or other UOG minor options.

Total Elective Course Credit Hours **9**

TOTAL TRACK CREDIT HOURS **58-59**

Minor in Tropical Horticulture Course Requirements (24 credits)

Required Courses:

Course	Course Title	Credits
AL-281	Principles of Horticultural Science	4
AL-340	Pest Management	4
AL-380	Principles of Soil Science	4
AL-443	Sustainable Agriculture	4

Course	Course Title	Credits
Choice of:		
AL-484 and AL-485	Tropical Vegetable Production and Tropical Fruits Horticulture	8
OR		
AL-481 and AL-484 or AL-485	Environmental Soil Science and Tropical Vegetable Production or Tropical Fruits Horticulture	8
Total Required Credit Hours		24

Minor in Crop and Environmental Protection Science Requirements (24 credits)

Required Courses:

Course	Course Title	Credits
AL-281	Principles of Horticultural Science	4
AL-380	Principles of Soil Science	4
AL-443	Sustainable Agriculture	4
Choice of:		
AL-323	Plant Pathology	4
AL-340	Pest Management	
AL-345	General Entomology	
Total Required Credit Hours		16

Elective Courses:

CEPS-related upper division electives (selected with and approved by ALS advisor)

Total Elective Course Credit Hours **8**

TOTAL REQUIRED CREDIT HOURS **24**

Minor in Farm and Natural Resources Management Requirements (22 credits)

Required Courses:

Course	Course Title	Credits
AL-102	Introduction to Plant Science	4
AL-281	Principles of Horticultural Science	4
AL-351	Personal and Family Financial Management	3
AL-451	Farm and Natural Resource Management	3
AL-484	Tropical Vegetable Production	3
AL-485	Tropical Fruits Horticulture	4
TOTAL CREDIT HOURS		22

Minor in Food Science Requirements (23 credits)

Required Courses:

Course	Course Title	Credits
CH-310a/ CH-311	Organic Chemistry A	5
AL-140	Scientific Principles of Food Preparation	4
BI-225/L	Basic Microbiology	4
AL-300	Food Processing Technology	4
AL-342	Food Safety and Sanitation	3
AL-445	Food Chemistry	3
TOTAL CREDIT HOURS		23

Minor in Nutrition Requirements (27 credits)

Required Courses:

Course	Course Title	Credits
AL-140	Scientific Principles of Food Preparation	4
AL-185	Human Nutrition	3
AL-330	Nutrition Throughout the Lifespan	3

Course	Course Title	Credits
Choice of:		
BI-124/125	Anatomy and Physiology I and II	8
BI-157/158	Principles of Biology I and II	
Total Required Credit Hours		18

Elective Courses:

Choice of three of the following courses selected with and approved by minor advisor:

Course	Course Title	Credits
AL-439	Community Nutrition	3
AL-335	Nutrition for Health, Fitness and Sports	3
AL-445/G	Food Chemistry	3
AL-470	Nutrition Education & Counseling	3
AL-475	Medical Nutrition Therapy	3
Total Elective Hours		9
TOTAL CREDIT HOURS		27

BIOLOGY PROGRAM

Prospectus

Biology is the study of living systems ranging from the chemical and physical underpinnings of all universal phenomena to the inner workings of the cell to organismal level inquiry and the complexities of populations, ecosystems, and biomes. The biological sciences encompass a broad but interrelated range of disciplines that lead to an equally diverse range of career paths.

The world is experiencing a revolution in the biological disciplines as we have uncovered the genetic mechanisms by which it operates and the technology to manipulate them has become astonishingly rapid and cost-effective. These developments, along with a greater understanding of complex biological systems have, and will continue to, increase our understanding of the biological world as well as allow this information to inform and drive improvements directly affecting humanity.

UOG's Biology Program is unique as a result of our geographic placement that allows unequaled access to tropical organisms and ecosystems. We have purposefully designed our curriculum to take advantage of this and attract students from all over our region and worldwide. We also have purposefully incorporated a hands-on research-focused approach from our foundational to capstone courses and believe this context prepares our students for real-world applications.

An undergraduate degree in Biology offers inroads to many career paths dealing with our people and environment as well as to furthering careers that will ultimately produce all manner of health professionals. Biology majors have opportunities for undergraduate research experiences through laboratory classes, work as lab technicians, independent study projects, and guided original research.

The program provides courses for non-majors as well, including those majoring in Nursing, Agriculture and Life Sciences, and HPERD. The Biology Program also assists the Education Program in training science teachers and enables students to meet the STEM goals of General Education requirements.

Those who want to pursue post-graduate studies in the biological sciences will be prepared to compete for entry into demanding graduate programs at first-rate institutions worldwide.

In support of its mission, the Biology unit encourages faculty capacity building in teaching-learning, assessment, research, and service. Mentoring assists students and faculty to achieve their potential.

Given the relevance of the program's disciplines to Guam's sustainability, we actively develop our courses to both interest and accommodate students from other disciplines at

both the lower- and upper-division levels. The Agriculture and Life Sciences Program curriculum provides graduates with education, work, and training experiences designed to guide them into becoming professionals and leaders in Guam, the Western Pacific, and globally.

Learning Outcomes

1. **Disciplinary knowledge and skills:**
Graduates use their knowledge and understanding of essential concepts to solve problems in ecology, genetics, molecular biology, systematics, and evolution. They can apply their biology knowledge and skills to locally important issues such as island biogeography, conservation, and endangered species problems. They apply relevant concepts from chemistry and physics to biology problems.
2. **Quantitative skills:**
Graduates apply numerical methods in research design and use computers for analysis manipulating and modeling biological data.
3. **Research/laboratory skills:**
Graduates are competent in basic biology procedures and safety in the laboratory and the field; they formulate testable hypotheses and create effective experimental designs using their knowledge, understanding, and practical experience of scientific instruments.
4. **Communication skills:**
Graduates use scientific literature and diagrams as a source of information, properly cite sources and avoid plagiarism, and create text and graphics to communicate results effectively through print and oral presentations. They collect and assess evidence and use it to create effective arguments in writing scientific reports and proposals.
5. **Digital literacy:**
Graduates use and process information in multiple formats via computer. Graduates are competent in the following computer skills as related to their science work: desktop competencies, word processing, presentation, and data retrieval and manipulation. Graduates effectively judge the usefulness and accuracy of external sources of information.
6. **Professionalism:**
Graduates work effectively together in teams in a laboratory and field settings and follow ethical principles underlying scientific research and publication. Graduates understand and apply the values and limitations of scientific research in addressing public policy issues.

Tracks

The Biology Program offers three major tracks:

Integrative Biology

This track prepares students for a graduate degree in a

biological science or a broad range of careers in the biological sciences. This track leads to the greatest number of opportunities in biology.

Bio-Medical Track

This track is for Biology majors intending to pursue medical, dental, pharmacy, veterinary school, or graduate school in biomedical research.

Applied Biology

This track is for Biology majors intending to begin an applied biology career at an introductory level with a government agency, consulting firm, medical testing lab, or educational venue. Although flexible, this track will not prepare students for graduate studies in the biological sciences, medicine, pharmacy, dentistry, or veterinary sciences.

Minor

Students may choose to minor in Biology for various reasons that broaden and strengthen their preparation and make them more competitive in their chosen fields. Students desiring entry into programs offering medical degrees who major in disciplines other than Biology find that they will need many Biology courses in order to compete and adding a Biology Minor serves this purpose. Students in other majors have added the Biology Minor in order to supplement their experience and allow them to specialize in a biologically focused area of their major studies, in such broad areas as education, business, and chemistry.

Grade Requirements

Biology majors must have a "C" or better in all courses required for the major.

Biology Major/Minor Requirements

	Integrative Biology	Bio-Medical	Applied Biology
General Education	50	50	50–51
Core Requirements	46	46	39–40
Track-Specific Requirements	12	20	
Electives	8-9	4	12
Upper-Division Electives			16
Capstone	4-5	4	4–5
Total Credit Hours	120–122	124	121–124

Students considering majoring in Biology should meet with Biology faculty for advising as early as possible in their college career.

In all three tracks, first-year students begin by taking BI-100/BI-100L Environmental Biology lecture and lab in the fanuchånan (Aug.–Dec.) semester followed by BI-157/BI-157L Principles of Biology I lecture and lab in the subsequent fañomnåkan (Jan.–May) semester. In fanuchånan of the second year, students take BI-158/BI-158L Principles of Biology II lecture and lab along with BI-315/BI-315L Genetics lecture and lab.

Integrative Biology Track (87–88 credit hours)

Upon entering the program track, students will be assisted by an academic adviser to identify their career objectives and select an appropriate option for study.

When selecting electives, students are encouraged to complete one or more of the many minor options offered under the program. The minor options are designed to provide areas of specialization to both Agriculture and Life Sciences majors and non-majors.

Short Summary

Required Courses: (79-80 Credit Hours)

Course	Course Title	Credits
BI-100/L*	Environmental Biology	4
BI-157/L*	Principles of Biology I	4
BI-158/L*	Principles of Biology II	4
BI-310	Evolution	3
BI-315/L	General Genetics	4
BI-320	Scientific Report Writing	2
BI-321	Scientific Arguments	2
BI-392	Laboratory Teaching and Assisting	3
Choice of:		
BI-302/L	Plant Biology	4
BI-365/L	Taxonomy of Vascular Plants	
Choice of:		
BI-303/L	Invertebrate Zoology	4
BI-333/LL	Comparative Vertebrate Anatomy	
BI-412/L	Biometrics	4
BI-410/L	Ecology	5
CH-102/L*	General Chemistry	4

Course	Course Title	Credits
CH-103/L	General Chemistry	4
CH-310a/b	Organic Chemistry	6
CH-311/312	Basic Laboratory	4
PH-251	University Physics	4
PH-252	University Physics	4
Choice of:		
MA-165	Pre-Calculus	5-6
MA-161a/b	College Algebra and Trigonometry	
MA-203	Calculus I	5

*May also fulfill General Education requirement courses.

†May not be double counted as required, elective, or capstone courses.

Elective Courses: (8 credit hours)

Any upper-division Biology (BI) courses or other science courses approved by the Biology Program chair.

Detailed Requirements

General Education:

Course	Course Title	Credits
Courses that fulfill both General Education and Biology Program requirements:		
EN-110	Freshman Composition	3
EN-111	Writing for Research	3
MA-115	Introductory College Algebra	3
CO-210	Fundamentals of Communication	3
CT-101	Critical Thinking	3
CH-102/102L	General Chemistry	4
BI-100/100L	Environmental Biology	4
BI-157/157L	Principles of Biology I	4
BI-158/158L	Principles of Biology II	4

General Education Category	Recommended Course	Credits
Courses that fulfill additional General Education requirements:		
Human Sciences	Any course in this category	3
Creative & Expressive	EN-210 Introduction to Literature	3
Human Systems & Organizations	Any course in this category	3
Cultural Perspectives	Any course in this category	3
Language Course	Any course in this category	4
Non-major Diversity Foundation	Any course in this category	3

Total General Education Credit Hours 50

Biology Core Courses:

Course	Course Title	Credits
CH-103/103L	General Chemistry II	4
CH-310a/ CH-311 AND CH-310b/ CH-312	Organic Chemistry I Organic Chemistry II	10
PH-251 AND PH-252 (lecture only)	University Physics I University Physics II	8
Choice of:		
MA-165	Pre-Calculus	5
MA-161a and 161b	College Algebra and Trigonometry	6
MA-203	Calculus I	5
BI-310	Evolution	3
BI-315/315L	Genetics	4
BI-320/321	Scientific Arguments/Writing	4
BI-398/390/392	Service Learning: Internship/ Special Projects/TA	3

Total Core Credit Hours 46-47

Integrative Biology Track-Specific Courses:

Course	Course Title	Credits
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Section A:

Choice of:

BI-302/302L Plant Biology 4

BI-365/365L Plant Systematics

Section B:

Choice of:

BI-475/475L Animal Physiology 4

BI-303/303L Invertebrate Zoology

BI-333/333L Comparative Vertebrate Anatomy

Section C:

BI-102/412L Biometrics 4

Total Track-Specific Credit Hours 12**Integrative Biology Track-Specific Electives:**

Course	Course Title	Credits
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Eight credits minimum required. Cannot double count as track requirement courses. Other electives must be upper-division science courses and approved by student's advisor and program chair.

BI-225/225L Microbiology 4

BI-302/302L Plant Biology 4

BI-303/303L Invertebrate Zoology 4

BI-333/333L Comparative Vertebrate Anatomy 4

BI-350/350L Ethology 4

BI-365/365L Plant Systematics 4

BI-345/345L General Entomology 4

BI-380/380L Oceanography 4

BI-410/410L Ecology 5

BI-416/416L Cell & Molecular Biology 4

BI-419/419L Biochemistry 4

Course	Course Title	Credits
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BI-425/425L Molecular Medicine 4

BI-430/430L Scientific Photography 4

BI-475/47L Animal Physiology 4

Total Track-Specific Elective Credit Hours 8-9**Capstone Course:**

Course	Course Title	Credits
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Choice of:

BI-475/475L Animal Physiology 4-5

BI-410/410L Ecology

Total Capstone Credit Hours 4-5

Note: Biology capstone cannot double count as track elective course.

TOTAL MAJOR AND GENERAL EDUCATION CREDITS 120-122*

*A minimum of 124 credits are required for UOG graduation.

Bio-Medical Track (90-91 credit hours)

Short Summary:

Required Courses: (86-87 Credit Hours)

Course	Course Title	Credits
BI-100/L*	Environmental Biology	4
BI-124/L	Human Anatomy and Physiology I	4
BI-125/L	Human Anatomy and Physiology II	4
BI-157/L*	Principles of Biology I	4
BI-158/L*	Principles of Biology II	4
BI-310	Evolution	3
BI-315/L	General Genetics	4
BI-320	Scientific Report Writing	2
BI-321	Scientific Arguments	2
BI-392	Laboratory Teaching and Assisting	3
BI-225/L	Basic Microbiology	4
BI-416/L	Cellular & Molecular Biology	4
BI-419/L	Biochemistry	4
CH-102/L*	General Chemistry	4
CH-103/L	General Chemistry	4
CH-310a/b	Organic Chemistry	6
CH-311/312	Basic Laboratory	4
PH-251	University Physics	4
PH-252	University Physics	4
Choice of:		
MA-165	Pre-Calculus	5-6
MA-161a and 161b	College Algebra and Trigonometry	
MA-203	Calculus I	5

*May also fulfill General Education requirement courses.

Required Electives: (4 credit hours)

Any upper-division Biology (BI) course or other Chemistry (CH) or Health Sciences (HS) course approved by the Biology Program chair.

Detailed Requirements

General Education:

Courses that fulfill both General Education and Biology Program requirements:

Course	Course Title	Credits
EN-110	Freshman Composition	3
EN-111	Writing for Research	3
MA-115	Introductory College Algebra	3
CO-210	Fundamentals of Communication	3
CT-101	Critical Thinking	3
CH-102/102L	General Chemistry	4
BI-100/100L	Environmental Biology	4
BI-157/157L	Principles of Biology I	4
BI-158/158L	Principles of Biology II	4

Courses that fulfill additional General Education requirements:

Tier II: Diversity Foundation

General Education Category	Recommended Course	Credits
Human Sciences	PY-101 General Psychology SO-101 Introduction to Sociology	3
Creative & Expressive Arts	EN-210 Introduction to Literature	3
Human Systems & Organizations	Any course in this category	3
Cultural Perspectives	Any course in this category	3
Uniquely UOG Language	Any course in this category	4
Non-major Diversity Foundation Course	Any course in this category	3

Total General Education Credit Hours 50

Biology Core Courses:

Course	Course Title	Credits
CH-103/103L	General Chemistry II	4
CH-310a/ CH-311 AND CH-310b/ CH-312	Organic Chemistry I Organic Chemistry II	10
PH-251 AND PH-252 (lecture only)	University Physics I University Physics II	8
Choice of:		
MA-165	Pre-Calculus	5
MA-161a and 161b	College Algebra and Trigonometry	6
MA-203	Calculus I	5
BI-310	Evolution	3
BI-315/315L	Genetics	4
BI-320/321	Scientific Arguments/Writing	4
BI- 398/390/392	Service Learning: Internship/ Special Projects/TA	3

Total Core Credit Hours **46-47****Bio-Medical Track-Specific Courses:**

Course	Course Title	Credits
BI-225/225L	Microbiology	4
BI-416/416L	Cell and Molecular Biology	4
BI-419/419L	Biochemistry	4
BI-124/124L	Human Anatomy and Physiology I	4
BI-125/125L	Human Anatomy and Physiology II	8

Total Track-Specific Credit Hours: **20****Bio-Medical Track-Specific Electives:**

Course	Course Title	Credits
Choose a minimum of four credit hours from the following:		
BI-333/333L	Comparative Vertebrate Anatomy	4
BI-350/350L	Ethology	4
BI-380/380L	Oceanography	4
BI-430/430L	Scientific Photography	4
BI-302	Plant Biology	4
BI-365/365L	Plant Systematics	4
BI-303/303L	Invertebrate Zoology	4
BI-410	Ecology (lecture only)	3
BI-412/412L	Biometrics	4
BI-425/425L	Molecular Medicine	4
BI-432	Pharmacology	3
HS-405/G	Epidemiology	3
HS-322/ PE322	Kinesiology	3
CH-350/350L	Foundations of Physical Chemistry	4

Total Track-Specific Elective Credit Hours **4****Capstone Course:**

Course	Course Title	Credits
BI-475/475L	Animal Physiology	4

Total Capstone Credit Hours **4****TOTAL MAJOR AND
GENERAL EDUCATION CREDITS** **122-124***

*A minimum of 124 credits are required for UOG graduation.

Applied Biology Track (87-88 credit hours)

Short Summary

Required Courses: (59-60 Credit Hours)

Course	Course Title	Credits
BI-100/L*	Environmental Biology	4
BI-157/L*	Principles of Biology I	4
BI-158/L*	Principles of Biology II	4
BI-310	Evolution	3
BI-315/L	General Genetics	4
BI-320	Scientific Report Writing	2
BI-321	Scientific Arguments	2
BI-392	Laboratory Teaching and Assisting	3
Choice of:		
BI-302/L165	Plant Biology	4
BI-365/L	Taxonomy of Vascular Plants	
Choice of:		
BI-303/L	Invertebrate Zoology	4
BI-333/L	Comparative Vertebrate Anatomy	
BI-412/L	Biometrics	4
BI-410/L†	Ecology	4
CH-101/L	Introduction to Organic Chemistry	4
CH-102/L*	General Chemistry	4
CH-103/L	General Chemistry	4
Choice of:		
MA-165	Pre-Calculus	5-6
MA-161a/b	College Algebra and Trigonometry	

*May also fulfill GE requirement courses.

†May not be double counted as required, elective, or capstone courses.

STEM Upper-Division Electives: (16 credit hours)

Upper-division Biology (BI) courses or other science courses approved by the Biology Program chair.

Career-Building Electives: (12 credit hours)

Coursework in other programs that help prepare students for various applied careers, such as education, government agencies, medical testing, and consulting, approved by the Biology Program chair.

Detailed Requirements

General Education:

Courses that fulfill both General Education and Biology Program requirements:

Course	Course Title	Credits
EN-110	Freshman Composition	3
EN-111	Writing for Research	3
MA-115	Introductory College Algebra	3
CO-210	Fundamentals of Communication	3
CT-101	Critical Thinking	3
CH-102/102L	General Chemistry	4
BI-100/100L	Environmental Biology	4
BI-157/157L	Principles of Biology I	4
BI-158/158L	Principles of Biology II	4

Courses that fulfill additional General Education requirements:

Tier II: Diversity Foundation

General Education Category	Recommended Course	Credits
Human Sciences	Any course in this category	3
Creative & Expressive Arts	EN-210 Introduction to Literature	3
Human Systems & Organizations	Any course in this category	3
Cultural Perspectives	Any course in this category	3
Uniquely UOG Language	Any course in this category	4
Non-major Diversity Foundation Course	Any course in this category	3-4

Total General Education Credit Hours 50-51

Applied Biology Core Courses:

Course	Course Title	Credits
CH-103/CH-103L	General Chemistry II	4
CH-101/CH-101L	Introduction to Organic Chemistry	4
Choice of:		
MA-165	Pre-Calculus	5-6
MA-161a/ MA-161b	College Algebra and Trigonometry	
BI-310	Evolution	3
BI-315/BI-315L	Genetics	4
BI-320/BI-321	Scientific Arguments/Writing	4
Choice of:		
BI-302	Plant Biology	4
BI-365/BI-365L	Plant Systematics	
Choice of:		
BI-303/BI-303L	Animal Physiology Invertebrate Zoology	4
BI-333/BI-333L	Comparative Vertebrate Anatomy	
BI-412/BI-412L	Biometrics	4
BI-398/BI-390/BI-392	Service Learning: Internship/ Special Projects/TA	3
Total Core Credit Hours		39-40

STEM Upper-Division Electives:

Course	Course Title	Credits
BI-350/BI-350L	Ethology	4
BI-380/BI-380L	Oceanography	4
BI-430/BI-430L	Scientific Photography	4

Course	Course Title	Credits
BI-416/BI-416L	Cell & Molecular Biology	4
BI-302	Plant Biology	4
BI-475/BI-475L	Animal Physiology	4
BI-365/BI-365L	Plant Systematics	4
BI-303/BI-303L	Invertebrate Zoology	4
BI-345/BI-345L	General Entomology	4
BI-333/BI-333L	Comparative Vertebrate Anatomy	4
BI-410/BI-410L	Ecology	5
CH-310a	Organic Chemistry A	
CH-311	Basic Lab in Organic Chemistry	5
CH-310b	Organic Chemistry B	
CH-312	Lab in Organic Chemistry	5
CH-330/CH-330L	Quantitative Analysis	5
CH-350/CH-350L	Foundations of Physical Chemistry	4
BI/CH-419/ CH-419L	Biochemistry	4
Total Upper-Division Elective Credit Hours		16

Notes: Other STEM courses are possible if approved by student's advisor and program chair.

Cannot double count courses taken to satisfy core or capstone requirements.

Students must meet all course prerequisites prior to enrollment.

Career-Building Electives:

Course	Course Title	Credits
BI-225/BI-225L	Microbiology	4

Course	Course Title	Credits
MA-203	Calculus I	5
MA-204	Calculus II	5
MA-205	Multivariable Calculus	4
MA-301	Differential Equations	3
PH-251	University Physics I	4
PH-252	University Physics II	4
HS-200	Health and Wellness	3
HS-216	Intro to Public Health	3
HS-405/G	Epidemiology	3
AL-281	Principles of Horticultural Science	3
AL-300/AL-300L	Food Processing Technology	4
AL-443/AL-443L	Technology for Sustainable Tropical Agriculture	4
AL-445/AL-445L	Food Chemistry	4
AL-484/AL-484L	Tropical Vegetable Production	4
AL-485/AL-485L	Tropical Fruits Horticulture	4
AL-486/AL-486L	Ornamental Crop Production	4
AL-389	Extension Programs & Planning	3
AL-401	Community Planning	3
BA-110	Principles of Economics	3
BA-200	Principles of Financial Accounting	3
BA-240	Management of Organizations	3
BA-241	Human Resource Management	3
CO-226	Reporting and Writing the News	3
CO-350	Public Speaking	3

Course	Course Title	Credits
CO-370	Organizational Communication	3
LW-360	Administrative Procedure	3
PA-201	Public Administration in Guam & Western Pacific	3
PA-210	Public Administration & Management	3
PA-215	Supervision in Government Organizations	3
PA-303	Government Finance	3
PA-304	Government Public Information	3
ED-110	Introduction to Teaching	3
ED-192	Practicum: Observation & Participation	1
ED-271	Technology Applications for Educators	3

Total Career-Building Elective Credit Hours 12

Note: Other Career-Building courses are possible if approved by student's advisor and program chair. Cannot double count courses taken to satisfy core or capstone requirements. Students must meet all course prerequisites prior to enrollment.

Capstone Course:

Cannot double count as Applied Biology Core Courses or STEM/Career Building Electives.

Course	Course Title	Credits
BI-475/475L	Animal Physiology	4-5
BI-410/410L	Ecology	4-5

Total Capstone Credit Hours 4-5

TOTAL MAJOR AND GENERAL EDUCATION CREDITS 121-124*

*A minimum of 124 credits are required for UOG graduation.

Biology Minor Requirements (33-35 credit hours)

Short Summary

Required Courses:

Course	Course Title	Credits
BI-100/L*	Environmental Biology	4
BI-157/L*	Principles of Biology I	4
BI-158/L*	Principles of Biology II	4
BI-310	Evolution	3
BI-315/L	General Genetics	4
MA-115	Introductory College Algebra	3
Choice of:		
MA-161a	College Algebra and Trigonometry	3-5
MA-165	Pre-Calculus	

Total Required Credit Hours **25-27**

Elective Courses:

Any other Biology (BI) courses.

Total Elective Credit Hours **8**

Detailed Requirements

Biology Minor Core Courses:

Course	Course Title	Credits
Must meet respective prerequisites to enroll.		
MA-115	Introductory College Algebra	3
Choice of:		
MA-161a	College Algebra and Trigonometry	3-5
MA-165	Pre-Calculus	
BI-100L	Environmental Biology	4
BI-157/157L	Principles of Biology I	
BI-158/158L	Principles of Biology II	8
BI-310	Evolution	3
BI-315/315L	Genetics	4

Total Required Core Credit Hours

25-27

Elective Courses:

Course	Course Title	Credits
Must meet respective prerequisites to enroll.		
BI-225/225L	Microbiology	4
BI-302	Plant Biology	4
BI-303/303L	Invertebrate Zoology	4
BI-320 and BI-321	Scientific Arguments and Scientific Writing	4
BI-333/333L	Comparative Vertebrate Anatomy	4
BI-350/350L	Ethology	4
BI-365/365L	Plant Systematics	4
BI-380/380L	Oceanography	4
BI-398/390/392	Internship/Research/TA	1-4
BI-410/410L	Ecology	5
BI-412/412L	Biometrics	4
BI-416/416L	Cell and Molecular Biology	4
BI-419/419L	Biochemistry	4
BI-425/425L	Molecular Medicine	4
BI-430/430L	Scientific Photography	4
BI-475/475L	Animal Physiology	4

Total Elective Credit Hours **8+**

TOTAL CREDIT HOURS

33-35

CHEMISTRY PROGRAM

Prospectus

The Chemistry major and minor programs are designed to prepare students for 1) graduate work in chemistry; 2) admission to medical, dental, pharmacy, and veterinary schools; 3) employment in laboratory-oriented positions in government and industry; and 4) teaching secondary school chemistry, provided teaching certification requirements of the School of Education are fulfilled. The Chemistry Program also provides course offerings in chemistry required by major programs in agriculture, biology, engineering, nursing, and other health-related sciences.

The small class sizes allow students to get close supervision and more hands-on training. Students can gain unique research experience through internship opportunities at UOG's Water & Environmental Research Institute, Marine Laboratory, and Crime Lab. The Chemistry Program curriculum is also closely aligned to the American Chemical Society standards

Grade Requirements

Chemistry majors must have a "C" or better in all courses required of the major.

Learning Outcomes

1. Demonstrate the knowledge of fundamental concepts of chemistry and its relevance to the scientific method and other fields in science with the following objectives:
 - a. Students should be able to explain the scientific method and relate its application to chemical discoveries.
 - b. Students will be able to define the states and structure of matter and relate these to physical and chemical properties.
 - c. Students should be able to define chemistry and state its relevance to other sciences and everyday experience.
 - d. Students should be able to apply the fundamental concepts of elements and compounds and their reactivity to solve chemically based problems.
2. Demonstrate the skills to make observations, conduct experimentation, collect and collate data, analyze and interpret data in a safe chemical environment with the following objectives:
 - a. Students will be able to independently perform accurate quantitative measurements, interpret experimental results, perform calculations on these results and draw a reasonable, accurate conclusion.
 - b. Students will synthesize, isolate, purify, and characterize a series of compounds using modern methods.
 - c. Students will demonstrate knowledge of proper use of modern instrumental techniques.
 - d. Students will be able to design an experimental procedure.
 - e. Students will observe safe practices in the laboratory and will know how to respond in an emergency.
3. Demonstrate the ability to clearly articulate, formulate, and communicate scientific information using computer, written and oral communication skills with the following:
 - a. Students will communicate critical analysis of scientific information through written reports and laboratory notebooks.
 - b. Students will effectively communicate scientific information through oral presentations.
 - c. Students will use computer technology to gather, process, analyze, and present chemical data.
 - d. Students will use chemical literature and computer resources to gather research information.
4. Demonstrate critical thinking, problem-solving skills, and the ability to use chemical knowledge and mathematical skills to identify, evaluate, analyze, synthesize, and integrate data and abstract ideas in solving problems with the following objectives:
 - a. Students should be able to describe the structure and composition of matter.
 - b. Students should be able to solve qualitative and quantitative problems.
 - c. Students should be able to apply theoretical and mechanistic principles to the study of chemical systems using quantitative and qualitative approaches.
 - d. Students should be able to explain the role of energy in determining the structure and reactivity of matter.
 - e. Students should be able to apply theoretical knowledge and chemical information to industry and everyday experience.
5. Demonstrate the knowledge and skills in advanced instrumentation, applications, interpretation, and experimental design to address scientific queries in chemistry, industry, the environment, health, and related fields with the following objectives:
 - a. Students should be able to use modern analytical instrumentations.
 - b. Students should be able to interpret data and relate these to chemical structure and properties.
 - c. Students should be able to relate the application of instrumentation to industries.
 - d. Students should be able to develop an appreciation of the wide range of instrumental methods, their applications, and limitations.
6. Demonstrate a sense of exploration and research approach that enables students to pursue lifelong learning in chemistry with the following objectives:
 - a. Students will use chemical literature and computer resources to gather research information.
 - b. Students should be able to critically evaluate sci-

Students will learn to gather hazardous materials information and will recognize and respond properly to potential hazards of handling chemicals and chemical waste.

tific information.

- c. Students should be able to develop research project and design experimental approach.
7. Demonstrate interaction skills and teamwork with the following objectives:
 - a. Students should be able to work cooperatively in problem solving exercise.
 - b. Students should be able to exercise leadership skills in teamwork.
8. Students should demonstrate adequate interpersonal communication skills.

Tracks

The Chemistry Program offers four tracks under two degrees:

1. Bachelor of Science in Chemistry:

- **Chemistry**
This track is tailored for students planning to pursue graduate studies in chemistry, physics, and chemical engineering. This track would also be ideal for those who seek employment in industry upon graduation.
- **Chemistry Pre-Pharmacy**
This track is primarily tailored for those planning to pursue a pharmacy degree.
- **Chemistry-Biology Dual Degree**
This track is tailored for those who are planning to pursue medicine and graduate studies in biomedical sciences.

2. Bachelor of Arts in Chemistry with Teaching Emphasis:

- **Chemistry Teaching**
This track is tailored for those that are going to teach at high school level.

Minor

Students planning to pursue graduate studies in biological and agricultural sciences can benefit with a minor in Chemistry. Students who plan to teach science at the high school level can also benefit with a minor in Chemistry.

Chemistry Major Requirements

It is very important for new and transfer students who elect chemistry as a major to contact the Chemistry major program advisor for advisement immediately after declaring this major.

It is recommended that Chemistry majors planning to pursue graduate work in chemistry have adequate experience in research, and the Chemistry Program has courses to help meet this requirement. Having a clear goal of a

particular area of interest is also important, and discussions with your advisor and other Chemistry faculty are essential in this process. It is important to focus on identifying and getting into a graduate program that aligns with your career goals and need. Courses in applied mathematics and computer science and as many upper-division courses in chemistry and physics as the student's schedule will permit are also highly recommended.

Chemistry Track Requirements (68–69 credit hours)

Required Courses:

Course	Course Title	Credits
CH-102/L	General Chemistry I	4
CH-103/L	General Chemistry II	4
CH-310a/b	Organic Chemistry	6
CH-311/312	Basic Laboratory	4
CH-330/L	Quantitative Analysis	5
CH-410/L	Instrument Methods of Analysis	5
CH-450a-b	Physical Chemistry	8
CH-451	Physical Chemistry Laboratory	2
CH-491	Chemistry Seminar	1-2
MA-203	Calculus I	5
MA-204	Calculus II	5
MA 205	Multivariable Calculus	4
PH-210	Introductory Physics Laboratory	1
PH-211	Introductory Physics Laboratory	1
PH-251	University Physics	4
PH-252	University Physics	4

Total Required Course Credit Hours **63–64**

Elective Courses:

Any upper-division Chemistry (CH) courses or program-approved courses.

Total Elective Course Credit Hours **5**

TOTAL TRACK CREDIT HOURS **68-69**

Chemistry Pre-Pharmacy Track (86-88 credit hours)**Required Courses:**

Course	Course Title	Credits
CH-102/L	General Chemistry I	4
CH-103/L	General Chemistry II	4
CH-310a-b	Organic Chemistry	6
CH-311/312	Basic Laboratory	4
CH-330/L	Quantitative Analysis	5
CH-350/L	Foundations of Physical Chemistry	4
CH/BI-419/L	Biochemistry	4
CH-491	Chemistry Seminar	1-2
BI-124/L	Human Anatomy and Physiology I	4
BI-125/L	Human Anatomy and Physiology II	4
BI-157/L	Principles of Biology I	4
BI-158/L	Principles of Biology II	4
BI-225/L	Basic Microbiology	4
BI-315/L	General Genetics	4
BI-416/L	Cellular & Molecular Biology	4
Choice of:		
MA-161a-b	College Algebra and Trigonometry	5-6
MA-165	Pre-Calculus	
MA-203	Calculus I	5
PH-210	Introductory Physics Laboratory	1
PH-211	Introductory Physics Laboratory	1
PH-251	University Physics	4
PH-252	University Physics	4
NU-207B	Pharmacology in Nursing	2
Total Required Course Credit Hours		82-84

Elective Courses:

Any upper-division Chemistry or Biology courses.

Total Elective Course Credit Hours **4****General Education:**

Recommended Courses		Credits
CT-101	Critical Thinking	3
PY-101	General Psychology	3
SO-101	Introduction to Sociology	3
BA-110	Principles of Economics	3
EN-110	Freshman Composition	3
EN-111	Writing for Research	3
CO-210	Fundamentals of Communication	3
MA-151	Introductory Statistics	3

TOTAL TRACK CREDIT HOURS **86-88****Chemistry Teaching Track Requirements (78-82 credit hours)****Required Courses:**

Course	Course Title	Credits
CH-102/L	General Chemistry I	4
CH-103/L	General Chemistry II	4
CH-310a-b	Organic Chemistry	6
CH-311/312	Basic Laboratory	4
CH-330/L	Quantitative Analysis	5
CH-350/L	Foundations of Physical Chemistry	4
CH-392	Laboratory Teaching and Assisting	1-3
CH-491	Chemistry Seminar	1-2
BI-100/L	Environmental Biology	4
BI-157/L	Principles of Biology I	4
BI-158/L	Principles of Biology II	4
Choice of:		
MA-161a-b	College Algebra and Trigonometry	5-6
MA-165	Pre-Calculus	
MA-203	Calculus I	5

Course	Course Title	Credits
PH-210	Introductory Physics Laboratory	1
PH-211	Introductory Physics Laboratory	1
PH-251	University Physics	4
PH-252	University Physics	4
NS-110/L	Introduction to the Earth	4
Choice of:		
NS-112/L	History of the Earth	4
GE-203	Principles of Physical Geography	

Total Required Course Credit Hours 69-73

Elective Courses:

Any five credit hours of upper-division Chemistry (CH) courses and any four credit hours of upper-division science (AL, BI, MA, PH) courses.

Total Elective Course Credit Hours 9

TOTAL TRACK CREDIT HOURS 78-82

Chemistry/Biology Dual Degree Track Requirements (93-94 credit hours)

Required Courses:

Course	Course Title	Credits
CH-102/L	General Chemistry I	4
CH-103/L	General Chemistry II	4
CH-310a-b	Organic Chemistry	6
CH-311/312	Basic Laboratory	4
CH-330/L	Quantitative Analysis	5
CH-350/L	Foundations of Physical Chemistry	4
CH-410/L	Instrument Methods of Analysis	5
CH/BI-419/L	Biochemistry	4
CH-491	Chemistry Seminar	2
BI-157/L	Principles of Biology I	4

Course	Course Title	Credits
BI-158/L	Principles of Biology II	4
BI-225/L	Basic Microbiology	4
BI-310	Evolution	3
BI-315/L	General Genetics	4
BI-410/L	Ecology	5
BI-412/L	Biometrics	4
BI-416/L	Cellular & Molecular Biology	4
MA-203	Calculus I	5
PH-210	Introductory Physics Laboratory	1
PH-211	Introductory Physics Laboratory	1
PH-251	University Physics	4
PH-252	University Physics	4

Total Required Course Credit Hours 84-85

Elective Courses:

Any 5 credit hours of upper-division Chemistry (CH) courses and any 4 credit hours of upper-division Biology courses.

Total Elective Course Credit Hours 9

TOTAL TRACK CREDIT HOURS 93-94

Chemistry Minor Requirements (33-35 credit hours)

Required Courses:

Course	Course Title	Credits
CH-102/L	General Chemistry I	4
CH-103/L	General Chemistry II	4
CH-310a-b	Organic Chemistry	6
CH-311/312	Basic Laboratory	4
CH-330/L	Quantitative Analysis	5
CH-491	Chemistry Seminar	1-2

Course	Course Title	Credits
Choice of:		
MA-161a-b	College Algebra and Trigonometry	5-6
MA-165	Pre-Calculus	
Total Required Course Credit Hours		29-31
Elective Courses:		
Any upper-division Chemistry (CH) course(s).		
Total Elective Course Credit Hours		4
TOTAL CREDIT HOURS		33-35

COMPUTER INFORMATION SYSTEMS PROGRAM

Notice: As approved by F.S. No. 5764 - Request for Program Removal. Approved 121517. The Computer Information Systems Program has been discontinued. No new students have been admitted to the major or minor program since August 2018. As part of the teach-out plan, current Computer Information Systems students (who remain continuously enrolled) have until May 2028 to complete their program requirements. These students should seek advisement from the CNAS Dean's Office to ensure they are taking all remaining requirements to complete the program. For more information, contact Katrina Quinata at 735-0317 or Interim Associate Dean Kate Moots at 735-2006.

COMPUTER SCIENCE PROGRAM

Notice: The Computer Science Program is scheduled for a substantial curriculum revision. As a result, there is a moratorium on new enrollment into the program. As part of the teach-out plan, the program is no longer accepting students. Current Computer Science majors (who remain continuously enrolled) have until May 2029 to complete their program requirements and should seek advisement from the CNAS Dean's Office to ensure they are taking all remaining requirements to complete the program. For more information, contact Katrina Quinata at 735-0317 or Interim Associate Dean Kate Moots at 735-2006.

Prospectus

The Computer Science major program is designed to provide students professional preparation in 1) program design and analysis, 2) systems analysis and management, and 3) systems architecture and networking. It also prepares students for graduate work in Computer Science.

Learning Outcomes

Students who complete with Computer Science program should be able to:

- (GE) Demonstrate competence with Windows and basic Microsoft Office applications, especially Word, Excel, and PowerPoint.
- Demonstrate technical competence in programming. Technical competence means being able to design, implement (build/code, test, debug), and communicate effectively (in written, oral, and numerical forms), individually and as part of a team.
 - Analyze problems and create algorithm/heuristic solutions.
 - Develop these using computer-programming methodologies in several programming languages.
- Demonstrate technical competence in systems.
 - Identify and analyze system requirements, criteria and specifications.
 - Design and implement human sensitive/compatible computer-based systems using appropriate tools, methods and techniques.
 - Effectively manage, organize, and retrieve all forms of information.
 - Evaluate system design solutions and their risks.
- Demonstrate technical competence in databases.
 - Be able to design and implement a functional database.
- Demonstrate technical competence in networks.
 - Be able to design, install, administer, and maintain a computer network.
 - Be able to setup, install, and use two different operating systems and be able to program client-server applications for them.
- Develop and ethically utilize these technical skills to construct systems.

Minor

The Computer Science minor program is intended to provide students majoring in other disciplines, especially those in the sciences, with a broad exposure to computer science. The minor will benefit both the graduate school-bound student and one headed for an information technology intensive workplace.

Grade Requirements

All students intending to declare themselves Computer Science majors must have a cumulative GPA of at least 2.5 prior to entry into the program. Once admitted into the program, new students should see the Division of Mathematics and Computer Science administrative assistant. Computer Science majors must receive a "C" or better and maintain a 2.5 GPA for all courses required of this major.

Computer Science Major Requirements (78 credit hours)

Required Courses:

Course	Course Title	Credits
CS-200*	Computer Application	3
CS-201	Programming I	4
CS-202	Programming II	4
CS-303	Data Structures and Algorithm Analysis	3
CS-305	Assembly Language and Computer Organization	3
CS-315	Introduction to Database Management Systems	3
CS-360	Introduction to Operating Systems	3
CS-365	Computer Architecture	3
CS-380	Organization of Programming Languages	3
CS-403	Data Communication and Networking	4
CS-425	Systems Analysis and Design	3
CS-431	Advanced Topics in Computing	3
CS-492	Practicum in Computer Science	3
CS-498	Computer Science Internship	4

Total Required Course Credit Hours 46

Required Support Courses:

Course	Course Title	Credits
MA-151*	Introductory Statistics	3
MA-203	Calculus I	5
MA-204	Calculus II	5
MA-341	Linear Algebra	3
MA-351	Discrete Structures	3

Course	Course Title	Credits
MA-375	Numerical Methods and Software	3
PH-210	Introductory Physics Laboratory	1
PH-211	Introductory Physics Laboratory	1
PH-251	University Physics	4
PH-252	University Physics	4

Total Required Support Course Credit Hours 32

* Fulfills the General Education requirements.

TOTAL CREDIT HOURS 78

Computer Science Minor Requirements (41 credit hours)

Required Courses:

Course	Course Title	Credits
CS-200*	Computer Application	3
CS-201	Programming I	4
CS-202	Programming II	4
CS-303	Data Structures and Algorithm Analysis	3
CS-315	Introduction to Database Management Systems	3
CS-360	Introduction to Operating Systems	3
CS-403	Data Communication and Networking	4
CS-492	Practicum in Computer Science	3
MA-203*	Calculus I	5

Total Required Course Credit Hours 32

Elective Courses:

Course	Course Title	Credits
Select nine credit hours from the following courses:		
CS-305	Assembly Language and Computer Organization	3
CS-365	Computer Architecture	3
CS-380	Organization of Programming Languages	3

Course	Course Title	Credits
CS-431	Advanced Topics in Computing	3
MA-151*	Introductory Statistics	3
MA-204	Calculus II	5
MA-341	Linear Algebra	3
MA-351	Discrete Structures	3
MA-385	Applied Statistics	3
MA-411	Introduction to Abstract Algebra	3
MA-451	Introduction to Probability Theory	3
MA-460	Numerical Linear Algebra	3
PH-210	Introductory Physics Laboratory	1
PH-211	Introductory Physics Laboratory	1
PH-251	University Physics	4
PH-252	University Physics	4
Total Elective Course Credit Hours		9

*Fulfills the General Education requirements.

TOTAL CREDIT HOURS 41

MATHEMATICS PROGRAM

Prospectus

The Mathematics major and minor programs are designed to: 1) prepare secondary school mathematics teachers; 2) prepare students for other employment requiring the use of mathematics; and 3) provide an understanding of the fundamental quantitative considerations, symbolized mathematically, which underlie our mechanized society.

Additional requirements for a Mathematics major leading to a general secondary teaching credential are listed in the School of Education section. A student must declare a double major in Mathematics and Education for a secondary teaching degree.

Learning Outcomes

Students completing the Mathematics program at the UOG will:

1. Demonstrate critical thinking, problem-solving skills, and the ability to use mathematical methods by identifying, evaluating, classifying, analyzing, and synthesizing data and abstract ideas in various contexts and situations.

2. Exhibit a sound conceptual understanding of the nature of mathematics and demonstrate advanced mathematical skills in mathematical analysis, modern algebra, and other mathematical discipline(s).
3. Argue and reason using mathematics; read, create, and write down logically correct mathematical proofs; use exact mathematical language; and communicate mathematics efficiently orally, in writing and using information technology tools.
4. Apply abstract thinking, mathematical methods, models, and current practices in the sciences, including state-of-the-art mathematical software, to solve problems in theoretical mathematics or in a diverse area of mathematical applications.
5. Show maturity in mathematical knowledge and thinking that prepares and encourages students to pursue graduate studies in mathematics or in related fields.
6. Demonstrate an appreciation of and enthusiasm for inquiry, learning, and creativity in mathematical sciences, a sense of exploration that enables them to pursue lifelong learning and up-to-date professional expertise in their careers through various areas of jobs, including governmental, business, or industrial jobs in mathematics, related sciences, education, or technology.

Minor

The Mathematics minor complements a number of programs, such as Computer Science, Chemistry, and Engineering, and provides additional mathematics content for those majoring in Secondary Education with a specialization in Mathematics.

Grade Requirements

Each Mathematics major must complete studies with a cumulative GPA of 2.3 in the courses specified as required courses for the major.

Mathematics Major Requirements (53 credit hours)

Required Courses:

Course	Course Title	Credits
Choice of:		
CS-201	Programming I	4
CS-202	Programming II	
PH-251	University Physics	4
PH-252	University Physics	4
MA-203	Calculus I	5
MA-204	Calculus II	5

U.S. ARMY SENIOR RESERVE OFFICERS' TRAINING CORPS PROGRAM (ARMY ROTC)

Prospectus

The University of Guam's Senior Reserve Officers' Training Corps (ROTC) program's mission is to commission the future officer leadership of the U.S. Army. Army ROTC is an educational program designed to provide the college student an opportunity to earn an Army commission as a second lieutenant while completing the University requirements for a bachelor's degree. The program provides leadership training that will develop the skills and attitudes vital to the professional Army officer. Upon successful completion of the program and graduation from the University, SROTC cadets are commissioned as second lieutenants and enter either the active Army, Army Reserve, or Army National Guard component.

A minor in Military Science prepares students enrolled in the Army ROTC program for various government and civilian career paths. Our program promotes individual fitness as well as teamwork and provides numerous leadership learning opportunities. Practical exercises, leadership vignettes, and hands-on military-style training complement the academic study of warfare and diplomacy. The coursework emphasizes leadership, the Army's heritage, dynamic problem solving, decision-making skills, and effective communication techniques characterized within the complexities of modern conflicts. The Military Science minor is designed for students who are interested in serving as officers in the U.S. Army.

Four-Year Program: The four-year program is divided into basic (100–200 level) and advanced (300–400) courses. There is no obligation incurred by the student while taking the basic-level courses unless the student chooses to commit by signing a contract after meeting the minimum requirements, including passing a fitness test and a Department of Defense Medical Examination Board exam and being academically aligned to graduate in four years.

Two-Year Program: A student may enter Army ROTC advanced courses during his or her junior year or as a graduate student by having completed a basic course equivalent and meeting the minimal requirements, including passing a fitness test and a Department of Defense Medical Examination Board exam and being academically aligned to graduate in two years.

Eligibility: Any full-time student may take a lower-level Military Science course at no cost to the student registering in the same manner as any other undergraduate or graduate course. However, to qualify for enrollment as a ROTC cadet in the program leading to a commission, a student must meet the following requirements:

- Be a U.S. citizen prior to commissioning.
- Be at least 17 years of age with consent at time of

Course	Course Title	Credits
MA-205	Multivariable Calculus	4
MA-302	Foundations of Higher Mathematics	3
MA-341	Linear Algebra	3
MA-411	Introduction to Abstract Algebra	3
MA-421	Introduction to Analysis I	3
MA-422	Introduction to Analysis II	3
Choice of:		
MA-301	Differential Equations	3
MA-361	Number Theory	
MA-375	Numerical Methods of Software	

Total Required Course Credit Hours **44**

Elective Courses:

A minimum of nine credit hours of upper-division Mathematics (MA) courses in addition to those already required.

Total Elective Course Credit Hours **9**

TOTAL CREDIT HOURS **53**

Mathematics Minor Requirements (29 credit hours)

Required Courses:

Course	Course Title	Credits
MA-203	Calculus I	5
MA-204	Calculus II	5
MA-205	Multivariable Calculus	4
MA-302	Foundations of Higher Mathematics	3

Total Required Course Credit Hours **17**

Elective Courses:

A minimum of six credit hours of upper-division Mathematics (MA) courses in addition to MA302.

Total Elective Course Credit Hours **12**

TOTAL CREDIT HOURS **29**

contracting and no more than 35 years of age at time of commissioning.

- Be a full-time student at UOG, Guam Community College, or a combination of the two.
- Not be convicted of felony.
- Be approved by the Professor of Military Science.

Financial Assistance: In addition to financial aid available at UOG, the Army ROTC program has two-, three-, and four-year scholarships available on a competitive basis for qualified applicants. A scholarship board is conducted annually in March for the following academic year. Recipients of campus scholarships are eligible to receive tuition, lab fees, and book expenses or room and board, depending on the scholarship awarded and what benefits the student elects. Contact the Department of Military Science at Dorm 1, second floor, for more information on the program and scholarship opportunities.

More information about Army ROTC can be found at <https://www.army.mil/rotc> and <https://www.goarmy.com/rotc>.

Military Science Minor Requirements (29 credit hours)

Four-Year Program (for Freshmen)

Required Courses:

Course	Course Title	Credits
MSL-101	Introduction to the Army and Critical Thinking	2
MSL-102	Foundations of Agile and Adaptive Leadership	2
MSL-201	Leadership and Decision Making	2
MSL-202	Army Doctrine and Team Development	2
MSL-301	Training Management and the War-Fighting Functions	3
MSL-302	Applied Leadership in Small Unit Operations	3
MSL-392	Cadet Leadership Course	6
MSL-401	The Army Officer	3
MSL-402	Company Grade Leadership	3
Total Required Course Credit Hours		26

Course Electives:

Course	Course Title	Credits
Choice of:		
HI-306	Modern American Military History	3
Any 300- or 400-level History course approved by the Professor of Military Science prior to taking the alternative course		

Total Elective Course Credit Hours **3**

TOTAL CREDIT HOURS **29**

Two-Year Program (for Juniors and Graduate Students)

Students may pursue a minor using the below track if either of the following applies:

1. Undergraduate students who have earned or will earn 60 credit hours toward their degree by the conclusion of the current Fånomñakan (Jan.–May) semester, or graduate students who have been accepted into a two-year graduate program beginning in the Fånuchanan (Aug.–Dec.) semester. In addition, students must have completed MSL-292, a U.S. Army Cadet Command-sponsored course, in lieu of academic content of MSL-101, MSL-102, MSL-201, and MSL-202.
2. Undergraduate students who have transferred into UOG as juniors or graduate students who have been accepted into a two-year graduate program beginning in the Fånuchanan (Aug.–Dec.) semester. In addition, student veterans must have served honorably and have submitted an official Joint Service Transcript to the Office of Admissions & Records for transfer credit. Prior military service is considered an academic substitution for the content of MSL-101, MSL-102, MSL-201, and MSL-202 but is not considered a substitution for academic credit hours toward a Military Science Minor.

All students in the two-year program will complete the following: MSL-301, MSL-302, MSL-392, MSL-401, MSL-402, plus HI-306 (or any 300- or 400-level History course approved by the professor of Military Science prior to taking the alternative course). To complete their minor requirements, these students will also earn an additional eight credit hours in MSL electives.

TOTAL CREDIT HOURS **29**

NATURAL SCIENCE COURSES

Courses in astronomy, geology, meteorology, and oceanography are offered for students interested in these environment-oriented disciplines. The lower-division geology and physical science courses may be used to satisfy General Education science requirements. Meteorology and oceanography may serve as upper-division electives.

PHYSICS COURSES

Physics courses are designed to provide students with a general knowledge of physics principles and laboratory skills. Courses are offered to meet the requirements of specific majors, e.g., chemistry, mathematics, agriculture, and biology.

PREPROFESSIONAL PROGRAMS: PREMEDICAL, PREOPTOMETRY, PREPHARMACY, PREDENTAL, PREVETERINARY

The University of Guam offers all courses that are required to attend post-graduate medical, optometry, and dental schools, and these courses are as rigorous as courses in other accredited institutions. However, the University of Guam does not offer a "premedical major," etc., sequence of courses because most medical, optometry, and dental schools prefer to consider candidates who have completed a subject area major. Therefore, those who plan to continue their studies in medical, optometry, or dental school should choose a subject area major; in addition, they should schedule mathematics through calculus, one year of college or university physics, one year of general biology, and two years of chemistry (through organic chemistry).

Courses such as quantitative analysis, biochemistry, cell physiology, genetics, and comparative anatomy are often recommended if scheduling permits. Often, premedical, preoptometry, and predental students will choose to major in math or the sciences, but this is not necessary so long as the required courses are taken.

Prospective premedical, preoptometry, and predental students should realize that national examinations (the Medical College Aptitude Test, MCAT; the Optometry College Admission Test, OCAT; and the Dental Aptitude Test, DAT)

are to be taken in the junior year of college; required courses should be completed or in progress before these exams are scheduled in order to assure adequate scores. Information on MCAT, OCAT and DAT can be obtained from the Office of Counseling and Career Planning; Guam is an officially designated test site for these exams.

PREOPTOMETRY

The University of Guam presently participates in a special "Underserved in Sight" program with the Pacific University College of Optometry and a special program for Pacific Island students is available.

PREPHARMACY

The University offers a prepharmacy program that leads directly to entrance into the School of Pharmacy at the University of Hawaii – Hilo. For more information, contact the CNAS academic advisor at quinatak@triton.uog.edu.

PREVETERINARY

Those who are interested in veterinary medicine can complete basic science requirements at the University of Guam. However, there are very few schools of veterinary medicine and they are extremely selective. They usually require basic science in addition to agriculture courses in animal husbandry, animal nutrition, etc., and all have specific state residency requirements, which being a resident of Guam does not fulfill. Pre-veterinary students are encouraged to attend the University of Guam for two years, during which time basic science courses can be taken and appropriate catalogs studied.

ADVISEMENT

For advisement for these preprofessional programs, see the CNAS academic advisor. All students who plan to go to medical, optometry, dental, and veterinary schools are encouraged to seek this advisement, regardless of their subject area. Inquiries from high school students and other Guam residents are welcomed.

SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

DEGREE PROGRAMS

Bachelor's Degrees

- Bachelor of Business Administration*
- Bachelor of Business Administration in Accounting
- Bachelor of Science in Criminal Justice
- Bachelor of Science in Public Administration

* *The BBA program replaced the BBA with Concentration program effective catalog year 2018–2019.*

Master's Degrees

- Master of Public Administration
- Professional Master of Business Administration (on ground and online)

Minors

- Public Administration

Certificate and Special Instruction Programs

- Health Services Administration
- Pre-Law

ABOUT THE SCHOOL

The School of Business & Public Administration plays an important role in providing needed services to the community and University through small-business development, conferences, seminars, and professional consulting to business and government.

The school is a repository of knowledge for economic and business issues, where scholarship and service support and enhance its educational programs. The school encourages faculty and students to undertake applied research and provide community and University services for the benefit of businesses and public agencies on Guam and in the region.

ACADEMIC MISSION

The mission of the School of Business & Public Administration is:

We are the regional center for education, development, service and research in business and government. Our core values promote and foster sustainable, ethical, and socially responsible leadership.

The SBPA mission is aligned with the University of Guam's Statement of Greatness. As a land-grant institution, the University provides programs and outreach opportunities that integrate SBPA and its students into the fabric of the community and the development of regional economies. The liberal arts setting and General Education requirements of the University are integral to SBPA professional degree programs and curricula.

In its mission commitment to teaching, service, and research, SBPA is dedicated to the success of its students by providing quality bachelor's and master's degree programs in business administration, criminal justice, and public administration.

The school espouses the following core values that relate to its mission, its students, and its vision of the future:

- Academic quality: Critical thinking supported by strong fundamental skills
- Cultural diversity
- Social responsibility
- Lifelong learning and growth
- Strong work ethic: Teamwork, hard work, dedication, and continuous improvement
- Social and economic development of Guam and the Western Pacific region
- Graduates who can compete globally, think strategically, and respond to change.

ADMISSION AND OTHER PROGRAM REQUIREMENTS

Prior to acceptance into any SBPA program, students must comply with the following:

- Must have at least a cumulative 2.0 GPA;
- Must have completed EN-111 and MA-110 or MA-115, MA-161a/b, or MA-165 with a grade of "C" or better in both classes before enrolling in upper-division courses;
- For the BBA degree program, must have at least a 2.7 GPA to take upper-division coursework in the General Business pathway; at least a 3.3 GPA to take upper-division coursework in the Business Professional pathway; and at least a 3.7 GPA to take upper-division coursework in the Business Honors pathway;
- For the BBAA degree program, must have at least a 3.0 GPA in all Accounting major courses and a cumulative 3.0 GPA overall;

- For BBA, BSCJ, and BSPA degree programs, must earn a grade of "C" or better in major required coursework to include Foundation requirements.

You can also follow SBPA on social media:

Twitter: @uog_sbpa

Instagram: @sbpa_uog

Facebook: @uogsbpa

ADVISEMENT

The School of Business & Public Administration is committed to student advisement, and students are encouraged to seek advisement at any time. All SBPA majors may obtain advisement forms for their degree program and sample four-year academic plans from the SBPA Dean's Office or the SBPA website. Forms should be completed before meeting with an advisor. Consultation with the SBPA Advisement and Assessment Coordinator is required for all new and transfer students pursuing majors within SBPA. Advisement group sessions for declared majors will be scheduled in the regular semesters and as needed.

BBA Majors: Required to meet three times with an SBPA advisor: 1) after students have taken 36 credit hours and before registering for any BA-300 or BA-400 level course; 2) before registering for any BA-400 level course; and 3) before registering for BA-483 Business Service Learning.

BBA Majors: Required to meet three times with an SBPA advisor: 1) after accounting students have taken 36 credit hours; 2) before registering for BA-301 Intermediate Accounting II; and 3) before registering for BA-400 level courses.

BSCJ and BSPA Majors: Required to meet two times with an SBPA advisor: 1) upon declaration of a major course of study; and 2) two academic semesters before the date of expected graduation.

All SBPA Students: An advisement meeting is also required when a student changes to another major in SBPA, adds a second major in SBPA, or transfers from another institution.

ADMINISTRATION

The School of Business & Public Administration Dean's Office is located on the second floor of the Jesus & Eugenia Leon Guerrero Business & Public Administration Building. Correspondence with the SBPA administration can be directed to:

Dr. Annette Taijeron Santos, Dean
 School of Business and Public Administration
 University of Guam
 UOG Station
 Mangilao, GU 96913
 Tel: (671) 735-2501/2520
 Email: atsantos@triton.uog.edu

STUDENT ORGANIZATIONS

Students have an opportunity to expand their special interests and social goals in student organizations. For information, contact the University of Guam Student Life Office at (671) 735-2271.

Organization

- American Marketing Association – UOG Collegiate Chapter
- Lambda Psi Chapter of Alpha Phi Sigma
- Entrepreneur Society (E-Society)
- Junior Accountants Society
- Public Administration and Legal Studies Club
- Omicron Delta Epsilon
- Society for Human Resource Management – UOG Student Chapter
- Soroptimist Sigma Society
- Tourism Awareness Group
- Triton Investments
- Blue Key Honors Society
- Golden Key Honors Society

SBPA ADVISORY COUNCIL

The mission of the School of Business & Public Administration Advisory Council is to provide external perspective and review as well as advocacy and support for SBPA. Members represent a broad spectrum of business leaders from the island and region. Since its founding, the Council has helped shape the School's curriculum and provided counsel to the dean on strategic, operational, and financial directions.

DEGREE PROGRAMS

SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

BUSINESS ADMINISTRATION (BBA) PROGRAM

The Business Administration degree program is accredited by the International Accreditation Council for Business Education (IACBE) until 2026.

Prospectus

Current Trends in Business Education

The BBA Pathways Program responds to current trends in business education that match the demands of business and society. Economists predict that half of the jobs in the developed world will be lost to technology in a generation. Employers are increasingly seeking college graduates with an integrated set of skills — the technical analytics and applied strategies to collaborate, communicate, think, lead, and solve problems. Current trends among business schools are to move toward more individualized learning to match the interests and talents of students with the world of work.

Real-World Immersion

In addition to the classroom learning, each pathway incorporates ways for students to be heavily immersed in the real business world. Students will be given appropriate levels of interaction in the business community from the beginning of their program to the end. This could mean service learning, internship, and research experiences for students in the program. Opportunities for international or stateside travel, such as for research internships, have also been built into the pathways as part of a course, student activity, or program option.

Choosing UOG for Business

Learning at UOG is better for business where you can experience first-hand the partnership of faculty and community working together to understanding how business works and how to make it work on Guam, in the region, and wherever business opportunities take you around the world. The diversity of business approaches in our learning community and the challenges of small-island economies far from supply chains on the front lines of growth prepares our students for working in challenging places.

Learning Outcomes

Successful students will:

1. Know, apply, and integrate fundamental business

concepts;

2. Understand local, regional, and global business in the context of the economic environment, ethics, law, and society;
3. Solve business problems using research, technical, quantitative, collaborative, and decision-support tools;
4. Think critically, communicate effectively, act decisively; and
5. Be prepared for a business career.

In conjunction with business leaders from the region, SBPA has developed a BBA curriculum with program learning outcomes for personal and professional success. The curriculum is integrated with the University's General Education requirements. The curriculum and activities do not stop at the University walls. The school, its students, and its alumni set the stage for lifelong learning and growth through business service learning, membership in student and business organizations, community and University service, and applied research and consulting.

Pathways

Students pursue their degree through one of three pathways below, each of which leads to the same BBA degree. Each pathway offers 24 credit hours of upper-division business preparation. Working with an SBPA advisor, students choose a pathway for which they meet the merit-based standards (i.e., minimum GPA requirements). To receive the BBA degree, students complete 124 semester credit hours.

General Business Pathway

The General Business Pathway is designed for the majority of BBA students. The pathway is business interdisciplinary, preparing well-rounded graduates for Guam's and the region's business workforce.

Business Professional Pathway

The Business Professional Pathway is for select BBA students who have demonstrated the interest and capacity for intensive, upper-division coursework in one of the professional fields of economics/finance, management (includes entrepreneurship, human resources, international tourism/hospitality), or marketing.

Business Honors Pathway

The Business Honors Pathway is for the highest performing

BBA students. This pathway can be either business interdisciplinary or focused on one of the professional fields of economics/finance, or management (includes entrepreneurship, human resources, international tourism/hospitality), or marketing.

Business Administration (BBA) Major Requirements (124 credit hours)

General Education	47 credit hours
BBA Foundation	50 credit hours*
BBA Pathway	24 credit hours*
Upper-Division Free Electives	3 credit hours
Total Credit Hours	124 credit hours

*Note: 1) It is SBPA's policy and a business accreditation standard that at least 50% of the BBA Foundation and BBA Pathway components must be earned at the University of Guam. 2) There are three alternative BBA Pathways.

General Education:

The BBA program requires students to complete 47 semester credit hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BBA students include the following courses as part of their General Education Requirements.

Tier I: Core Foundation

Recommended Course		Credits
Critical Thinking	CT-101 Critical Thinking	3
Quantitative Reasoning	MA-110 Basic Math	3
Written Communication	EN-110 Freshman Composition	3
Oral Communication	CO-210 Fundamentals of Communication	3
Information Literacy	EN-111 Writing for Research	3

Tier II: Diversity Foundation

Recommended Course		Credits
Science & Math	Any	4

Recommended Course		Credits
Human Sciences	PY-101 General Psychology OR SO-101 Introduction to Sociology	3
Creative & Expressive Arts	Any	3
Human Systems & Organizations	PA-233; otherwise, any course	3
Cultural Perspectives	Any	3

Tier II: Uniquely UOG

Recommended Course		Credits
Language	Any	4
Regional	Any	3

Tier II: Direction Building

Recommended Course		Credits
Direction Building #1	BA-110 Principles of Economics	3
Direction Building #2	BA-180 Business Essentials	3
Direction Building #3	PA-205 Data/Basic Statistics for Government/Business	3

Tier III: Capstone Experience

Recommended Course		Credits
Capstone Experience	BA-480 Business Policy and Strategy	(included in BBA Foundation)

Total General Education Credits 47

BBA Foundation Courses:

Students are required to complete 50 semester credit hours in the BBA Foundation. These courses are fundamental to understanding the commercial world and developing sound business skills. All BBA majors must earn a grade of "C" or better in the BBA Foundation requirements.

BBA Foundation courses are to be taken in each of a student's four years at the University. Courses beginning with the number 1 are suggested for freshmen (e.g. BA-131); 2 for sophomores (e.g. BA-260); 3 for juniors (e.g. BA-310); and 4 for seniors (e.g. BA-440). During the senior year, after having completed most of the General Education and BBA Foundation coursework, students take BA-483 Business Professional and Career Development. The course is also a prerequisite for the BA-480 Business Policy and Strategy capstone. As graduating seniors, students take BA-480 Business Strategy and Policy capstone course that integrates the fundamental concepts learned and challenges the students to apply their skills.

Required Courses:

Course	Course Title	Credits	Prerequisite with "C" or better
BA-131	Introduction to Information Management	3	MA-110/MA-115
BA-230	Data Processing and Date Administration	3	MA-110/MA-115/MA-161ab/MA-165
BA-200	Principles of Financial Accounting	3	BA-130/BA-131/BA-230 and MA-110
BA-201	Principles of Managerial Accounting	3	BA-200
BA-220	Basic Business Finance	3	PA-205/MA-151/BA-210 and BA-201
BA-240	Management of Organizations	3	BA-180
BA-241	Human Resource Management	3	Placement in EN-110 and MA-110/ MA-115
BA-260	Fundamentals of Marketing	3	
BA-310	Applied Statistics for Business Decisions	3	PA-205/MA-151 and BA-240
Choice of:		3	
BA-333	Management Information Systems		BA-131, BA-240 and BA-335 with a C grade
BA-334	Business Analytics		BA-131 or BA-230, and any one of the following: PA-205, BA-210, or MA-151. For BBA Major, prerequisites: BA-131 and either one of the following PA-205, BA-210, or MA-151.
BA-380	E-Business		BA-260 and BA-230. BA-330 may be a corequisite.
Choice of:		3	
BA-252	International Tourism		BA-240
BA-341	International Business Environment		
BA-420	International Corporate Finance		BA-220
BA-460	International Marketing		BA-260
BA-335	Cyber Security and Cloud Services	3	BA-131
BA/ PA-347	Leadership & Collaboration in Business & Society	3	BA-240
BA-386	Logistics and Supply Chain Management	3	BA-240 and BA-260
BA-440	Organizational Behavior	3	PY-101/ SO-101 and BA-240
LW-442	The Law and Ethics in Business and Gov't	3	
BA-483	Business Professional and Career Development	2	BA-220, BA-260, BA-310, and BA-241 or BA-440; Senior
BA-480	Business Strategy and Policy	3	BA-483, Graduating Senior, Instructor's Consent
Total BBA Foundation Credit Hours		50	

BBA Pathway Courses:

A BBA pathway identifies the upper-division BA coursework required beyond the BBA Foundation. There are three alternative BBA pathways. Each has its own merit-based qualification standards, which students must meet before taking upper-division BA courses in their pathway.*

1. BBA General Business Pathway OR
2. BBA Business Professional Pathway OR
3. BBA Business Honors Pathway.

* Note: i) Each pathway leads to the same BBA degree. Diplomas and transcripts will state that the student was awarded the BBA degree but will not state the pathway. ii) BBA Pathways are not concentrations.

Total Pathway Credit Hours 24 (upper-division)

General Business Pathway Requirements (24 credit hours)

Students must meet the merit-based qualification standards to take upper-division BA courses in the General Business Pathway. Students need a minimum 2.7 GPA in all prior lower-division coursework and must maintain at least a 2.7 GPA overall.

All students in this pathway take eight upper-division, business-interdisciplinary BA courses (24 credit hours), as follows:

With SBPA advisor guidance and approval, students choose five upper-division, business-interdisciplinary BA courses that suit their personal and career interests. As the pathway is business interdisciplinary, students may not choose more than three upper-division courses in a single business discipline (e.g., no more than nine credit hours in accounting, economics, finance, management {includes entrepreneurship, human resources, information technology, international tourism/hospitality}, or marketing).

Required Courses:

Course	Course Title	Credits
Five upper-division, business-interdisciplinary BA courses (see above)		15
BA-410	Managerial Economics	3
BA-441	Operations & Project Management	3
BA-482a	Business Service Learning: Senior Team Field Project (advisor approval)	3

Total General Business Pathway Credit Hours 24

Business Professional Pathway Requirements (24 credit hours)

Students must meet the merit-based qualification standards to take upper-division BA courses in the Business Professional Pathway. Students need a minimum 3.3 GPA in all prior lower-division coursework and must maintain at least a 3.3 GPA overall.

All students in this pathway take eight upper-division courses (24 credit hours), as follows:

Students must take six courses from economics/finance, or management (includes entrepreneurship, human resources, international tourism/hospitality), or marketing. Advisor must approve. Coursework must be related to the selected field and may be from upper-division BA courses and/or independent study. If approved, one of the upper-division courses may be from any upper-division course offered at the University that the advisor judges relevant to the chosen field and course of study.

Required Courses:

Course	Course Title	Credits
Six courses from economics/finance, management, or marketing		18
BA-431	Topics in the Management of Technology & Innovation	3
BA-482a	Business Service Learning: Senior Team Field Project (advisor approval)	3

Total Business Professional Pathway Credit Hours 24

Business Honors Pathway (24 credit hours)

Students must meet the merit-based qualification standards to take upper division BA courses in the Business Honors Pathway. Students need a minimum 3.7 GPA in all prior lower-division coursework and must maintain at least a 3.7 GPA overall.

All students in this pathway take eight upper-division courses (24 credit hours), as follows:

Students must take five courses from economics/finance, management (includes entrepreneurship, human resources, information technology, international tourism/hospitality), or marketing. Advisor must approve. Coursework must be related to the selected field and may be from upper-division BA courses and/or independent study. If approved, one of the upper-division courses may be from any upper-division course offered at the University that the advisor judges relevant to the selected field and course of study.

Required Courses:

Course	Course Title	Credits
Five courses from economics/finance, management, or marketing		15
BA-431	Topics in the Management of Technology & Innovation	3
Two Business Service Learning courses*:		
BA-482b	Business/Research Internship and/or	
BA-482c	Business Formation, Innovation and Transformation	3
Total Business Honors Pathway Credit Hours		24

*Depending on their interests, students may select one course in BA-482b and one in BA-482c or two courses in either BA-482b or BA-482c.

Upper-Division Free Elective:

Students must complete three semester credit hours in an upper-division, non-BA elective course (i.e., the course cannot begin with BA; nor can the course be a non-BA course, such as LW-442 as this course is required in the BBA Foundation). For BBA majors, upper-division Legal Studies (LW) and Public Administration (PA) courses may be used to fulfill the upper-division elective requirement.

Total Upper-Division Elective Credit Hours **3**

TOTAL CREDIT HOURS **124**

ACCOUNTING (BBAA) PROGRAM

The Business Administration in Accounting degree program is accredited by the International Accreditation Council for Business Education (IACBE) until 2026.

Prospectus

The BBAA degree is for students interested in professional careers in the accounting field. Students may find job opportunities in auditing, financial planning, consulting, and technical accounting. Jobs in accounting are found in public accounting, private accounting, all levels of government and not-for-profit accounting.

The BBAA Program stresses technical skills that support the four key areas of accounting: audit, cost, government, and tax. Emphasis is given to knowing how financial data

are assembled and integrated into a set of financial statements, understanding techniques and procedures, and using accounting computer applications.

Learning Outcomes

Successful students will:

1. Demonstrate leadership in the accounting/ business environment;
2. Demonstrate critical thinking and the ability to gather and synthesize information for accounting/business management problems;
3. Identify and analyze ethical problems that occur in the accounting/business environment;
4. Demonstrate competency in the application of accounting principles and concepts for local, regional, and global environments;
5. Demonstrate the ability to communicate relevant financial and non-financial information effectively; and
6. Demonstrate competency in information technology for the accounting/business environment.

Requirements for Continuing BBAA Students

Students who declare a BBAA major are required to: 1) pass the Accounting Major Competency Exam as part of the prerequisites for BA-300; and, 2) maintain a cumulative GPA of 3.0 or higher in the Accounting major requirements and an overall GPA of 3.0 or higher.

Accounting (BBAA) Program Requirements (124 credit hours)

General Education	47 credit hours
BBAA Foundations	47 credit hours*
BBAA Major Requirements	30 credit hours*
Total Credits	124 credit hours

*NOTE: It is School policy and a business accreditation standard that at least 50% of the BBAA Foundation and BBAA Major components must be earned at the University of Guam.

NOTE: BBAA advisement sheet can be found at <https://www.uog.edu/sbpa/forms-resources>.

General Education:

The BBAA degree program requires students to complete 47 semester credit hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BBAA students include the following courses as part of their General Education requirements:

Tier I: Core Foundation

Recommended Course		Credits
Critical Thinking	CT-101 Critical Thinking	3
Quantitative Reasoning	MA-110 Basic Math	3
Written Communication	EN-110 Freshman Composition	3
Oral Communication	CO-210 Fundamentals of Communication	3
Information Literacy	EN-111 Writing for Research	3

Tier II: Diversity Foundation

Recommended Course		Credits
Science & Math	Any	4
Human Sciences	PY-101 General Psychology OR SO-101 Introduction to Sociology	3
Creative & Expressive Arts	Any	3
Human Systems & Organizations	PA-233 recommended; otherwise, any course	3
Cultural Perspectives	Any	3

Tier II: Uniquely UOG

Recommended Course		Credits
Language	Any	4
Regional	Any	3

Tier II: Direction Building

Recommended Course		Credits
Direction Building #1	BA-110 Principles of Economics	3
Direction Building #2	BA-180 Business Essentials	3
Direction Building #3	PA-205 Data/Basic Statistics for Government/Business	3

Tier III: Capstone Experience

Recommended Course		Credits
Capstone Experience	BA-480 Business Policy and Strategy	(included in BBA Foundation)

Total General Education Credit Hours **47**

BBAA Foundations Courses:

Students must earn a grade of "C" or better for each course in the BBAA Foundation and Major requirements as well as maintain a cumulative 3.0 GPA or higher in the Accounting major requirements and an overall GPA of 3.0 or higher. Declared BBAA majors are required to pass the Accounting Major Competency Exam as part of the prerequisites for BA300 to continue in the BBAA program. Students must meet with their Accounting advisor to schedule taking this exam.

Required Courses:

Course	Course Title	Credits	Prerequisite with "C" or better
BA-200	Principles of Financial Accounting	3	BA-130/BA-131/BA-230 and MA-110/MA-115/MA-161ab/MA-165
BA-201	Principles of Managerial Accounting	3	BA-200
BA-220	Basic Business Finance	3	PA-205/MA-151/PA205 and BA-201
BA-230	Data Processing & Data Administration	3	MA-110/MA-115/MA-161ab/MA-165
BA-240	Management of Organizations	3	BA-180
BA-260	Fundamentals of Marketing	3	
BA-307	International Accounting	3	BA-301
BA-310	Applied Statistics for Business Decisions	3	PA-205/MA-151/PA205 and BA-240
BA-334	Business Analytics	3	BA-131 or BA-230, and any one of the following: PA-205, BA-210, or MA-151
BA/PA-347	Leadership & Collaboration in Business & Society	3	BA-240
BA-410	Managerial Economics	3	BA-310
BA-440	Organizational Behavior	3	PY-101/SO-101 and BA-240
LW-442	The Law and Ethics in Business and Government	3	
LW-443	Business Law II	3	LW-442
BA-483	Business Professional and Career Development	2	BA-220, BA-260, BA-310, and BA-241 or BA-440; Senior
BA-480	Business Strategy and Policy	3	BA-483, Graduating Senior, Instructor's Consent
Total BBAA Foundation Credit Hours		47	

BBAA Major Courses:

Course	Course Title	Credits	Prerequisite with "C" or better
BA-300	Intermediate Accounting I	3	BA-201, Accounting Major Competency Exam, Instructor's Consent
BA-301	Intermediate Accounting II	3	BA-300
BA-304	Income Taxation	3	BA-300
BA-305	Cost and Managerial Accounting	3	BA-300
BA-400	Advanced Accounting	3	BA-301
BA-401	Governmental Accounting	3	BA-301
BA-402	Accounting Systems	3	BA-301, BA-305, and BA-330 or BA-334
BA-403	Auditing	3	BA-402
BA-405	Accounting Internship	3	Graduating Senior, Instructor's consent
BA-406	Ethics for the Accountant	3	Instructor's consent

Total BBAA Major Credit Hours **30****TOTAL CREDIT HOURS** **124**

CRIMINAL JUSTICE PROGRAM

Prospectus

The Criminal Justice Program is aligned with the national curriculum for criminal justice in the United States. It is an interdisciplinary field drawing from legal studies, data analysis, business, and public administration. Graduates qualify to hold management and administrative positions within the criminal justice system (i.e., Corrections, Customs, Judiciary, Police, etc.). They may also pursue a graduate degree in the law policy or criminal justice fields. As a small Pacific Island, Guam is ideally suited to study crime policy and the application of justice. Its unique location allows students to interact with many Pacific island cultures as well as Asian cultures.

Learning Outcomes

Successful students will:

1. Demonstrate a general understanding of the various roles of criminal justice professions in the public and private sectors;
2. Demonstrate leadership and teamwork skills;
3. Demonstrate critical thinking and analytical skills in solving real world problems in criminal justice;
4. Demonstrate a sufficient real-world understanding of law and public policy processes;
5. Demonstrate proficiency in information technology and communication skills, etc.;
6. Demonstrate an understanding of local, regional, and global environments and their relevance to criminal justice;
7. Demonstrate an understanding of ethical, professional, and socially responsible behavior.

Criminal Justice Program Requirements (124 credit hours)

General Education	47 credit hours
Criminal Justice Major Courses	47 credit hours
Criminal Justice Required Electives	30 credit hours
Total Credits	124 credit hours*

**Important Note: 40 upper-division credits are required for the baccalaureate degree.*

General Education:

The BSCJ program requires students to complete 47 semester hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BSCJ students include the following courses as part of their General Education requirements:

Tier I: Core Foundation

Recommended Course		Credits
Critical Thinking	CT-101 Critical Thinking	3
Quantitative Reasoning	MA-110 Basic Math	3
Written Communication	EN-110 Freshman Composition	3
Oral Communication	CO-210 Fundamentals of Communication	3
Information Literacy	EN-111 Writing for Research	3

Tier II: Uniquely UOG

Recommended Course		Credits
Language	Any	4
Regional	Any	3

Tier II: Diversity Foundation

Recommended Course		Credits
Science & Math	Any	3-4
Human Sciences	PY-101 General Psychology OR SO-101 Introduction to Sociology	3
Human Systems & Organizations	PA-233 Impact of Government Regulatory Admin Business	3
Cultural Perspectives	Any	3

Tier II: Direction Building

Recommended Course		Credits
Direction Building #1	BA-110 Principles of Economics	3
Direction Building #2	LW-101 Introduction to Criminal Justice	3
Direction Building #3	EN-210 Introduction to Literature	3

Tier III: Capstone Experience

Recommended Course		Credits
Capstone Experience	LW-480 Criminal Justice Capstone	3

Total General Education Credit Hours 47

Required Major Courses:

Course	Course Title	Credits	Prerequisite with "C" or better
BA-130	Introduction to Computers and Application	3	MA-110 or MA-115
LW-106	Personal Law	3	
LW-202	Trial and Evidence	3	
LW-306	Criminal Law	3	
LW-311	Correctional Security Management and Administration	3	
LW-402	Constitutional Law	3	
LW-404	Administration & Management of Criminal Justice Organizations	3	
LW-490	Special Project: Legal Studies	1	
PA-210	Public Administration and Management: Concepts & Applications	3	
PA-233	Impact of Government Regulatory Administration on Business	3	
PA-303	Government Finance	3	
PA-304	Government Public Information	3	
PA-305	Data Analysis in Public Administration	3	BA-130
PA-403	Public Personnel Administration	3	
PA-405	Leadership Ethics in the Professions	3	
PA-490	Special Project: Public Administration	1	
LW-480	Criminal Justice Capstone	3	
Total Major Course Credit Hours		47	
Elective Courses:			
Required electives must be approved by BSCJ advisor.			
Total Elective Course Credit Hours		30	
TOTAL CREDIT HOURS		124	

PUBLIC ADMINISTRATION PROGRAM

Prospectus

The Bachelor of Science in Public Administration (BSPA) is designed to equip students with professional competencies to accomplish managerial tasks and organizational objectives in public and not-for-profit organizations. Students enrolled in the BSPA degree program study the various roles of professional managers in public service; develop leadership and analytical skills; study policy-making processes; and learn the techniques of sound public sector management. The program provides special attention and sensitivity to cultural and social issues in the Western Pacific and Asia region and an understanding of their relevance to public administration. Students must earn a grade of "C" or better in all major coursework.

Learning Outcomes

Successful students will:

1. Demonstrate a general understanding of the various roles of professional managers in the public and non-profit sectors;
2. Demonstrate leadership and teamwork skills;
3. Demonstrate critical thinking and analytical skills in solving real world problems in public administration;
4. Demonstrate a sufficient real world understanding of public policy processes;
5. Demonstrate proficiency in information technology and communication skills, etc.;
6. Demonstrate an understanding of local, regional, and global environments and their relevance to public administration;
7. Demonstrate an understanding of ethical, professional, and socially responsible behavior.

Public Administration Program Requirements (124 credit hours)

General Education	47 credit hours
Public Administration Major Courses	50 credit hours
Public Administration Required Electives	27 credit hours
Total Credits	124 credit hours*

**Important Note: 40 upper-division credits are required for the baccalaureate degree.*

General Education:

The BSPA program requires students to complete 47 semester hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BSPA students include the following courses as part of their General Education requirements:

Tier I: Core Foundation

Recommended Courses		Credits
Critical Thinking	CT-101 Critical Thinking	3
Quantitative Reasoning	MA-110 Basic Math	3
Written Communication	EN-110 Freshman Composition	3
Oral Communication	CO-210 Fundamentals of Communication	3
Information Literacy	EN-111 Writing for Research	3

Tier II: Uniquely UOG

Recommended Course	Credits
Language Any	4
Regional Any	3

Tier II: Diversity Foundation

Recommended Courses		Credits
Science & Math	Any	3-4
Human Sciences	PY-101 General Psychology OR SO-101 Introduction to Sociology	3
Human Systems & Organizations	PA-233 Impact of Government Regulatory Administration Business	3
Cultural Perspectives	Any	3

Tier II: Direction Building

Recommended Course	Credits	
LW-101	Introduction to Criminal Justice	3
EN-210	Introduction to Literature	3

Tier III: Capstone Experience

Recommended Courses		Credits
Capstone Experience	PA-480 Public Administration Capstone	3

Total General Education Credit Hours 47

Required Major Courses:

Course	Course Title	Credits	Prerequisite with "C" or better
BA-130	Introduction to Computer and Applications	3	MA-110 or MA-115
BA-330	Information Technology & Networks for Business		EN-111, MA-110
BA-303	Government Accounting for Non-Accounting Major	3	EN-111, MA-110
LW-402	Constitutional Law	3	
PA-210	Public Administration & Management Concepts & Application	3	
PA-215	Supervision in Government Organizations	3	
PA-233	Impact of Government Regulatory Administration on Business	3	
PA-303	Government Finance	3	
PA-304	Government Public Information	3	
PA-305	Data Analysis in Public Administration	3	BA-130
PA-307	The Economics of Healthcare (or other approved class)	3	
PA/AL-401	Community Planning (or other approved class)	3	
PA-403	Public Personnel Administration	3	
PA-405	Leadership Ethics in the Professions	3	
PA-420	Public Finance and Fiscal Policy	3	
PA-490	Special Project: Public Administration (or other approved class)	2	
PA-480	Public Administration Capstone	3	
Total Major Course Credit Hours		50	

Elective Courses:

Required electives must be approved by Public Administration advisor.

Total Elective Course Credit Hours **27**

TOTAL CREDIT HOURS **124**

Public Administration Minor Requirements (18 credit hours)

Required Courses:

Course	Course Title	Credits
PA-210	Public Administration and Management: Concepts and Applications	3
PA-233	Impact of Government Regulatory Administration of Business	3
PA-303	Government Finance	3
PA-403	Public Personnel Administration	3
PA-405	Leadership Ethics in the Professions	3
PA-420	Public Finance and Fiscal Policy	3
TOTAL CREDIT HOURS		18

CERTIFICATE AND SPECIAL INSTRUCTION PROGRAMS

The School of Business & Public Administration offers a number of professional certificate programs. The purpose of these programs is to extend student learning in various specialized fields and in accordance with professional standards set by credentialing agencies. See the following program descriptions for information about advisement, admission, and course requirements. Advisement is strongly encouraged by the faculty of the contributing certificate/special instruction program.

Minor/Certificate in Health Services Administration

The populations of Guam and the Western Pacific are changing and with those changes comes the need for health services. Health care on Guam is provided by the Health and Substance Abuse and, to some extent, the Department of Vocational Rehabilitation; through the growing number of private providers; and through the Naval Hospital and other military connected clinics. Health care in the Western Pacific is provided by rural clinics and central government hospitals. There are few private health providers in the Western Pacific island nations.

The minor in Health Services Administration provides the people of Guam and in the region with the opportunity to pursue a career in the administration of health services. Although, health care is a business like any other, it has unique special components, which either dictate or impact administrative and managerial decisions. The Health Services Administration minor provides a solid theoretical and practical grounding through the process of formal education.

Students interested in pursuing a minor/certificate in Health Services Administration should contact the SBPA Dean's Office at sbpa@triton.uog.edu to schedule an appointment.

Required Courses:

Course	Course Title	Credits
PA-206	Public Health and Disease Management	3
PA-207	Administration of Public Health Systems	3
PA-210	Public Administration & Management Concepts	3
PA-306	Health Care Planning & Evaluation	3
PA-307	The Economics of Health Care	3
PA-405	Leadership Ethics in the Professions	3
TOTAL CREDIT HOURS		18

Pre-Law

Students interested in pursuing a legal career may follow a major of their choice. There is no formal pre-law major. Majors most commonly chosen are Political Science, Business, English, History, Public Administration, Philosophy, and Psychology. In fulfilling requirements in their major fields, students seeking entry to law school may want to consider the courses listed below. In addition, pre-law advisors on the Political Science and School of Business & Public Administration faculty will assist students to prepare for the Law School Admission Tests and law school applications.

(See next page.)

Suggested Pre-Law Courses

Course	Course Title	Credits	Prerequisite with "C" or better
Humanities			
CO-340	Persuasion	3	CO-210
EN-319	Advanced Composition	3	EN-111
HI-201	Early America I	3	
HI-202	Modern America	3	
PA-405	Leadership Ethics in the Professions	3	Senior Standing
PI-210	Introduction to Logic	3	
	Government Finance	3	
Natural Sciences and Math			
BI-157/L	Principles of Biology I	4	
BI-158/L	Principles of Biology II	4	
MA-151	Introduction to Statistics	3	MA-085b or placement
Business			
BA-200	Principles of Financial Accounting	3	BA-130 or BA-230 and MA-110 or MA-115
BA-201	Principles of Managerial Accounting	3	BA-200
BA-110	Principles of Economics	3	
BA-130	Introduction to Computer Operations	3	
Social Science			
PS-101	Introduction to Government and Politics	3	
PS-202	Government in the United States	3	
PS-420	International Law	3	PS-215 or Instructor's Consent
Legal Studies			
LW-101	Introduction Criminal Justice	3	
LW-202	Personal Law	3	
LW-306	Criminal Law	3	
LW-311	Correctional Security and Administration	3	Senior Standing
LW-402	Constitutional Law	3	

SCHOOL OF EDUCATION

DEGREE PROGRAMS

Bachelor's Degrees

- Bachelor of Arts in Elementary Education
 - Optional specializations:
 - Early Childhood Education
 - English as a Second Language
 - Special Education
- Bachelor of Arts in Secondary Education
 - Option A: Content Major
 - Option B: Emphasis
 - Math
 - General Science
 - Physical Education/School Health
 - Fine Arts
 - Career and Technical Education
 - Additional specializations:
 - English as a Second Language
 - Special Education

Master's Degrees

- Master of Arts in Counseling
- Master of Arts in Teaching
- Master of Education
 - Specializations:
 - Administration and Supervision
 - Secondary Education
 - Reading (online)
 - Special Education
 - Teaching English to Speakers of Other Languages (TESOL)

ABOUT THE COLLEGE

The School of Education provides initial preparation and continuing education opportunities to aspiring teachers and other professional personnel engaged in educational activities on Guam, the Western Pacific region, and the U.S. mainland. These purposes are accomplished primarily through classroom instruction and related practicum activities monitored and coordinated by the teaching faculty.

The School of Education requirements presently meet teacher certification requirements for Guam, the Northern Mariana Islands, the Federated States of Micronesia, the Marshall Islands, Palau, and many U.S. states. Students are responsible for becoming familiar with certification requirements of the geographic areas in which they plan to seek

employment. Students need to be aware that certification requirements change and that it is the student's responsibility to be aware of changing standards for certification.

Programs to prepare candidates for teacher certification in elementary, secondary, second language elementary, and special education provided by the School of Education are accepted by the Guam Commission on Educator Certification (GCEC).

ACADEMIC MISSION

The major mission of the School of Education is the provision of pre-service teacher education to meet the multicultural educational demands of the island's educational system as well as providing for the region as a whole. The emerging challenges brought about by social, economic, and political changes within the region have created a need to expand the school's ability to deliver appropriate instruction and related educational services. Thus, an integral part of the school's mission is becoming the academic, research, and service resource center for Guam and the greater Micronesian area.

The School of Education believes that an effective educator must possess the knowledge, skills, and disposition necessary to carry out the roles of facilitator, collaborator, motivator, manager, mentor, evaluator, and change agent. The development of knowledge, skills, and disposition draws from the various activities in each program intended to assist candidates in becoming knowledgeable scholars, effective communicators, and reflective decision-makers.

LEARNING OUTCOMES

The common attributes of each major include the following:

1. Students receive training that is particularly relevant to Guam and Micronesia.
2. Students are encouraged to be involved in practicum during each year of preparation to be culminated by the student teaching experience.
3. Students may be assigned independent study projects.
4. Students are provided a foundation for later graduate work.

Students successfully completing their degree program and becoming certified educators should be well-educated individuals who possess:

- 1) General education knowledge and subject-matter content knowledge provided by liberal education;
- 2) Content and professional knowledge provided by the foundations core;

3) Pedagogical content knowledge provided by curriculum studies and field experience that can be integrated to create learning opportunities to meet the needs of all students. Equipped with a strong knowledge base, educators will be able to provide learning environments that:

- a. Respect diversity, collaboration, and shared responsibility; and
- b. Promote high levels of achievement

4) A professional disposition as identified in the Educator Disposition Assessment (EDA). Teacher candidates should be aware that the dispositions identified in this EDA apply to the university setting, courses, early practicum experiences, and the final student teaching or internship. The candidate is aware his/her professional dispositions will be assessed throughout the teacher education program and will have bearing on decisions made regarding eligibility to complete in a successful manner.

Our program learning outcomes are based on the 10 standards of the Interstate Teacher Assessment and Support Consortium (InTASC). The following standards guide the School of Education toward outcomes in its teacher preparation programs:

1. Learner Development

The teacher candidate understands how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas, and designs and implements developmentally appropriate and challenging learning experiences.

2. Learning Differences

The teacher candidate uses understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards.

3. Learning Environments

The teacher candidate works with others to create environments that support individual and collaborative learning and that encourage positive social interaction, active engagement in learning, and self-motivation.

4. Content Knowledge

The teacher candidate understands the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and creates learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content.

5. Application of Content

The teacher candidate understands how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.

6. Assessment

The teacher candidate understands and uses multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making.

7. Planning for Instruction

The teacher candidate plans instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy as well as knowledge of learners and the community context.

8. Instructional Strategies

The teacher candidate understands and uses a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections and to build skills to apply knowledge in meaningful ways.

9. Professional Learning and Ethical Practice

The teacher candidate engages in ongoing professional learning and uses evidence to continually evaluate his or her practice, particularly the effects of his or her choices and actions on others (learners, families, other professionals, and the community) and adapts practice to meet the needs of each learner.

10. Leadership and Collaboration

The teacher candidate seeks appropriate leadership roles and opportunities to take responsibility for student learning, to collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth and to advance the profession.

THE ACADEMIC AFFAIRS COMMITTEE OF THE SCHOOL OF EDUCATION

The academic quality of program offerings within the School of Education is monitored by the Academic Affairs Committee. SOE programs/units are designed to meet the needs of public education and focus on teaching, practice, in-service, and research programs to prepare educators in both the pre-service and in-service areas at both the undergraduate and graduate levels.

The Academic Affairs Committee works with the SOE Advisory Council, which is typically composed of the educational leadership from the public and private schools as well as related service agencies, such as Mental Health and Public Health.

GRADE REQUIREMENTS

Students seeking degrees in the School of Education should familiarize themselves with the General Education regulations in this catalog. All students working toward a Bachelor of Arts in Education degree must complete the General Education requirements of the University with a cumulative GPA of 2.7 or higher.

COURSE ENROLLMENT

All undergraduate students may take 100- and 200-level Education (ED) courses. Enrollment in 300- and 400-level Education courses requires admission into the School of Education. Those with a bachelor's degree or higher seeking certification only must also be admitted into the School of Education.

ADMISSION TO THE SCHOOL OF EDUCATION

Admission deadlines:

- Fañomnåkan (Jan.–May) admissions: Oct. 15
- Fanuchånan (Aug.–Dec.) admissions: March 15

Students must submit an application for admission to the School of Education that includes a LiveText portfolio with the following, demonstrating that he/she has the knowledge, skills, and disposition necessary for success as a teacher candidate:

- Praxis Core Reading, Writing, and Math scores that meet the Guam Commission for Educator Certification requirement;
- Completion of a minimum of 48 semester hours, including the following major course requirements: ED-110, ED-201, and ED-271 (required for Elementary majors only);
- Two School of Education Disposition Rubrics to be completed by one School of Education faculty and one content area faculty;
- An electronic portfolio demonstrating competence in the InTASC standards. Evidence of competence (artifacts) can come from graded work in SOE courses, General Education courses, content major courses, and University; or community service. At least six artifacts must be submitted.

The Admissions Committee will review all documents and make a recommendation to the dean to approve or deny admission. The action will be binding unless successfully appealed. Within four weeks of submission, the dean will inform each applicant and their program of the decision. In case of denied admission, the applicant must re-apply by submitting a new application for admission the following semester.

Individual Degree Plan (IDP)

An official IDP is defined as an Individual Degree Plan appropriately signed by the School of Education designee and the registrar in the Office of Admissions & Records. Holders of an official IDP will be granted admission to the School of Education if they can fulfill the following requirements:

- Have a GPA of 2.7 or more for all earned credits;

- Have at least 40 semester hours of credit acceptable to the University of Guam; and
- Have the consent of the program coordinator and the approval of the dean of the School of Education.

PROGRESSION IN THE SCHOOL OF EDUCATION

Student Status: Pre-Education or Teacher Candidate

The courses of instruction offered by the School of Education are organized into undergraduate and graduate levels in a developmental sequence that promotes the acquisition of knowledge and competencies at increasingly complex levels and in important areas of specialization.

There are two categories of student status at the undergraduate level: Pre-Education and Teacher Candidate.

• Pre-Education

During the freshman and sophomore years, students who are interested in investigating and understanding teaching as a career can explore their interest as a Pre-Education major. Through interactions with School of Education advisors, students plan an initial course of study and participate in entry-level experiences with these goals in mind. The School of Education encourages interested students to explore the teaching profession through actual involvement in school classrooms beginning in the freshman year. These experiences help students to become familiar with pupils' attitudes, values, and abilities. Additionally, they provide an increasingly important opportunity to acquaint interested students with pupils from diverse cultural environments and schools at a variety of levels. These early experiences assist interested students in making an informed decision about their further participation in the program as a teacher candidate.

• Teacher Candidate

Admission to teacher candidacy typically comes at the beginning of the junior year. A formal application is required during the sophomore year. During the junior and senior years, students gain detailed experiences and training in their specific program area.

Student Teaching

The student teaching assignment (ED-492) in the senior year is the culminating experience of the teacher education program. The student is placed with a classroom supervisor at the appropriate level where he/she is guided through an induction period of observation, a period of participation and observation, and a final period of increasing responsibility for teaching full-time during his/her hours at school. Faculty members of the School of Education provide supervision and assistance to the student teacher.

Prior to student teaching/internship, all teacher candidates must take the following Praxis tests and pass with a score as set by the Guam Commission for Educator Certification:

- Praxis Subject Assessment
- One of the following:
 - o Praxis II Principles of Learning and Teaching: K–6
 - o Praxis II Principles of Learning and Teaching: 7–12

Scores from the student's two Praxis tests must be presented prior to acceptance for student teaching or internship. Because of the importance of the student teaching experience, there are specific requirements for admission. Candidates for student teaching must contact the Office of the Field Experience Coordinator in the semester preceding student teaching to be apprised of the various requirements and to submit materials and information required prior to acceptance into the student teaching experience.

Students are cautioned about the need to concentrate their full resources during the student teaching semester on student teaching. Students are not allowed to carry an overload as student teaching is a full-time job. Students are urged to review the contents of the Student Teaching Handbook, available from the Office of the Field Experience Coordinator prior to enrollment.

Residency Requirement for Student Teaching:

Individuals who have earned a bachelor's degree or higher in education (i.e. elementary or early childhood) from any regionally accredited college or university and have not completed the certification requirements as set forth by the Guam Commission for Educator Certification must meet the following University requirements:

1. Enroll in the University as a non-degree seeking student;
2. Take a minimum of 12 education credits, approved by the program and dean, from the University of Guam prior to student teaching/internship;
3. Take Praxis PLT and Praxis Subject Assessment and pass with scores as set by the Guam Commission for Educator Certification;
4. Prepare an InTASC portfolio on LiveText; and
5. Comply with the field experience requirements prior to placement.

ADVISEMENT

Students who have declared Education as their major are required to seek academic advisement through the School of Education. All students should read this catalog carefully as it is the authority on degree requirements.

The School of Education is responsible for the academic advisement of any of the following students:

- Pre-Education or Education majors
- Those who plan to work toward teacher certification
- Those who are on an Individualized Degree Plan.

Students are advised to check with their advisor concerning specific recommendations of their major; for example, certain major areas strongly recommend or require specific General Education courses as a part of the major. (Early commitment to a major or combination of majors leads to more efficient progress.)

STUDENT ORGANIZATIONS

Organization

Gearing Education for Maximum Service

Faculty Advisor

Dr. Dean Olah

ADMINISTRATION

The School of Education Administration Office is located on the first floor of the School of Education Building, Suite 119. Correspondence with the School of Education can be directed to:

Dr. Alicia Aguon, Dean
University of Guam
UOG Station
Mangilao, Guam 96923
Tel: 735-2444/2476 Fax: 734-3651
Email: aliciaaguon@triton.uog.edu

ELEMENTARY EDUCATION PROGRAM

Prospectus

Teachers lay a foundation on which our communities are built. Education is a dynamic field, evolving based on current research while continuing to benefit from time-tested best practices. This program provides pre-service courses and programs at the undergraduate level to ensure our region has trained teachers equipped to teach at the K–5 level.

School of Education students are provided great opportunities to benefit from diversity in our local schools, explore regional topics, and engender global citizenry in our youth strengthened by place-based values. The School of Education graduates at UOG are presented with a variety of options teaching in public or private schools on Guam. Our graduates are also well-positioned to work both in the region and in the U.S. mainland. No matter what direction graduates choose, they may navigate their course in confidence, knowing that their experience at UOG has prepared them for what is ahead.

Grade Requirements

The letter grade system is used in all courses except for ED-192, which is graded Pass (P) or Fail (F). Grading for ED-292, ED-392, ED-492, and ED-498 will follow the letter grade system.

All undergraduate School of Education majors must have an overall cumulative grade point average of 2.7 in order to graduate with a Bachelor of Arts in Education degree. Additionally, a grade of “C” or better must be earned by SOE undergraduate majors in all SOE courses. Secondary major students must maintain a grade of “C” or better in all relevant content areas.

Elementary Education Major Requirements (minimum 124 credit hours)

General Education	47 credit hours
Content Area Courses	22 credit hours
Admission Foundational Courses	9 credit hours
Professional Education	48 credit hours
(This includes ED-492 Practicum-Student Teaching)	
Total Credit Hours	126 credit hours

General Education:

The Elementary Education Program requires students to complete 47 semester credit hours of General Education, as listed in the Academic Rules and Regulations section of this catalog. While there are many choices among the General Education courses offered, it is strongly recommended that Elementary Education students include the following courses as part of their General Education requirements:

Tier I: Core Foundation

Recommended Course		Credits
Critical Thinking	CT-101 Critical Thinking	4
Written Communication	EN-110 Freshman Composition	3
Information Literacy	EN-111 Writing for Research	3
Oral Communication	CO-210 Fundamentals of Communication	3
Quantitative Reasoning	MA-151 Introductory Statistics	3

Tier II: Diversity Foundation

Recommended Course		Credits
Science and Math	BI-100/L Environmental Biology	4
Human Sciences	GE-101 Introduction to Geography	3
Creative & Expressive Arts	Any	3
Human Systems & Organizations	HI-121 World History 1	3
Cultural Perspectives	PS-202 Government in the United States	3
Uniquely UOG	ED-265 Culture and Education in Guam	3
	Any Language	4
Direction Building	MA-115 Introductory College Algebra	3
	AL-130/L Introduction to Science for Educators	3
	EN-213 Literature, Myth and Culture	3

Total General Education Credit Hours 47

Required Content Area Courses:

Course	Course Title	Credits
Choice of:		
AL-185	Human Nutrition	3
HS-200	Health and Wellness	3
PY-101	General Psychology	3
NS-101/L	Introduction to Physical Science	4
EN-317	American Literature	3
ED-319	Children's Literature	3
HI-201	Early America	3
MA-150	Mathematics for Elementary School Teachers	3

Total Content Area Credit Hours 22**Admission Foundational Courses:**

Course	Course Title	Credits
EN-110	Introduction to Teaching	3
ED-201	Human Growth and Development	3
ED-271	Technology Applications for Educators	3

Total Admission Foundational Credit Hours 9**Professional Education Requirements:**

Course	Course Title	Credits
ED-300	Educational Technology	3
ED-334	Solving Discipline Problems: Strategies for Classroom Teachers	3
ED-446	Including Children with Disabilities in the Regular Classroom	3
ED-350	Effective Teaching Strategies for the Elementary Multicultural Classroom	3
ED-353	Social Studies Methods: Elementary	3
ED-354	Science Methods: Elementary	3
ED-356	Mathematics Methods: Elementary	3
ED-392	Methods Practicum	3
ED-489	Evaluation (This course should precede Student Teaching)	3
ED-363	P.E. and Health Methods Elementary	3
ED-355	Language Arts Methods: Elementary	3
ED-351	Fine Arts Methods: Elementary	3
ED-492	Practicum in Student Teaching	12

Total Professional Education Credit Hours 48**TOTAL CREDIT HOURS 126**

Elementary Education Specializations

Education majors may also add a specialization. The specialization courses are designed to provide students with a fundamental understanding of a specific group of learners. It satisfies some of the UOG pre-requisite requirements toward admission into the Master of Education degree in that area.

Areas of specialization include:

1. **Early Childhood Education**

This specialization is for Elementary majors only. It provides in-service courses at the undergraduate level. It provides the region with teachers who are especially able to teach preschool and primary grade children (Pre-K–2) in a variety of cultural environments.

Course	Course Title	Credits
ED-330	Language Arts in Early Childhood	3
ED-331	Teaching the Young Child	3
ED-333	Creative Arts in Early Childhood	3
ED-334	Solving Discipline Problems: Strategies for Classroom Teachers	3
ED-336	Building Home and School Relationships in Early Childhood Education	3
Total Specialization Credit Hours		15

2. **English as a Second Language (ESL)**

The specialization in ESL is designed for pre-service and in-service teachers who wish to teach English as a Second Language (ESL) at the elementary or secondary level. The courses are designed to prepare students in the specialization to work with second-language learners, both in mainstream classes and in pullout ESL courses. The program includes methods and strategies for promoting success in English as well as content courses for K–12 learners. Issues such as bilingualism, second language acquisition, needs of non-native English-speaking children, and culture will be addressed throughout the five specialization courses. Students will be expected to become familiar with the rules of English grammar. This specialization also serves as an entry-way for students hoping to pursue careers teaching ESL abroad.

Course	Course Title	Credits
ED-280	Introduction to Bilingualism/Biculturalism	3
ED-385	Structure of the Language	3
ED-480	Second Language Curriculum and Materials Development	3
ED-481	Second Language Teaching Methodology	3
ED-482	Working with Second Language Learners	3
Total Specialization Credit Hours		15

3. **Special Education**

This specialization is designed to prepare students for entry into the field of human services for exceptional individuals with specific emphasis areas in teaching exceptional learners. It is generic and provides basic teaching knowledge and skills applicable to individuals with disabilities.

Course	Course Title	Credits
ED-310	Remediation of Individuals w/ Learning Disabilities/ Behavior Disorders	3
ED-314	Assessment of Skills for Children & Youth w/ Special Needs	3
ED-442	Special Education Law	3
ED-446/G	Including Children w/ Disabilities in the Regular Classroom	3
ED-457/G	Behavior Management in Special Education	3
Total Specialization Credit Hours		15

SECONDARY EDUCATION PROGRAM

Prospectus

The Secondary Education Program is designed to prepare students for teaching careers in middle and senior high schools. Students seeking a degree in Secondary Education receive extensive training in professional education as well as preparation in a subject area(s). Students shall demonstrate their ability to teach in their respective teaching area(s).

This program provides pre-service courses and practical experiences at the undergraduate level. These practical experiences are embedded in diverse settings providing a well-rounded cultural experience.

The need for qualified teachers expands beyond the shores of Guam. There are many opportunities to be hired in the field of education locally, regionally, and nationally.

Grade Requirements

The letter grade system is used in all courses except for ED-192, which is graded Pass (P) or Fail (F). Grading for ED-492 and ED-498 will follow the letter grade system.

All undergraduate School of Education majors must have an overall cumulative GPA of 2.7 in order to graduate with a Bachelor of Arts in Education degree. Additionally, a grade of "C" or better must be earned by SOE undergraduate majors in all SOE courses. Secondary major students must maintain a grade of "C" or better in all relevant content areas.

Secondary Education Major Requirements (minimum of 124 credit hours)

General Education	47 credit hours
Professional Education	36 credit hours
Specialty Requirements	30–58 credit hours
Total Minimum Credit Hours	124 credit hours

The student's program must be approved by the advisor of the Secondary Education Program.

General Education:

Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog.

Total General Education Credit Hours 47

Professional Education Requirements:

Course	Course Title	Credits
ED-110	Introduction to Teaching	3
ED-201	Human Growth and Development	3
ED-300	Educational Psychology	3
ED-446	Including Children with Disabilities in the Regular Classroom	3
ED-462	Content Area Literacy	3
ED-463	Classroom Management for a Diverse School and Society	3
ED-489	Evaluation	3
ED-492	Practicum in Student Teaching	12
ED	A Methods course based on or related to the major or area of specialty	3

Total Professional Education Credit Hours 36

Specialty Requirements:

Two options are available to students majoring in Secondary Education. Students select the option that best relates to their future plans and previous experience.

An emphasis option is available in which certification in an added area is possible. Specialty areas must be selected from areas commonly taught in secondary schools.

Option A: Subject Major

Students selecting this option must complete 30–58 semester hours in a subject area as specified by another school of the University. This option stresses in-depth preparation in one subject area and leads to certification in one subject area. If choosing this area, the required credit hours will exceed the 124-credit hour requirement. The student's program must be approved by the advisor of the Secondary Education Program.

Option B: One Teaching Area of Specialty/Emphasis

Students selecting this option must take a minimum of 30 specified hours in one teaching area. Students receive preparation in a subject area beyond the minimum required for certification. More subject area choices are available to students selecting this option than in Option A. Students should consult the Secondary Education Program description contained under the content area of their choice. This option is provided in order to meet the 124-credit hour requirement. Students must take the appropriate Subject Assessment Test prior to student teach-

ing. At present, the following emphasis areas make up the secondary Option B programs available:

1. Math Emphasis

Required Courses:

Course	Course Title	Credits
MA-203	Calculus I	5
MA-204	Calculus II	5
MA-205	Multivariable Calculus	4
MA-302	Foundations of Higher Mathematics	3
MA-341	Linear Algebra	3
MA-351	Discrete Structures	3
MA-385	Applied Statistics	3
MA-411	Introduction to Abstract Algebra	3
MA-421	Introduction to Analysis I	3
TOTAL MATH EMPHASIS CREDIT HOURS		32

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – MA161A; 2) DF or Major Exploration – MA-161B; 3) DF Exploration outside major requirement (may apply to a minor or second major) – ANY

Tier III – Capstone Experience – Major Capstone Experience: 1) Major Capstone Experience – ED-492

2. General Science Emphasis

Required Courses:

Course	Course Title	Credits
The student shall select three complete sequences from the following:		
Chemistry		
CH-102/L	General Chemistry I	8
CH-103/L*	General Chemistry II	8
Physics		
PH-251**/252	University Physics	10
PH-210/211	Introductory Physics Laboratory	
Geology		
NS-110/L	Introduction to the Earth	8-11
NS-112/L or	History of the Earth	

Course	Course Title	Credits
NS-101/L	Introduction to Physical Science	
GE-101	Introduction to Geography	
GE-203/L	Principles of Physical Geography	
Biology		
BI-157/L	Principles of Biology I	9
BI-158/L	Principles of Biology II	
BI	Lab Teaching & Assisting	

TOTAL GENERAL SCIENCE EMPHASIS CREDIT HOURS 25-30

Prerequisites: *Proficiency at MA-161a level or concurrent enrollment. **MA-203 or concurrent enrollment.

Elective Courses:

The student may select a minimum of 16 upper-division credit hours from the Chemistry (CH) series, Physics (PH) series, Natural Science (NS) series, or Biology (BI) series of courses. Prerequisites must be observed. (Note: 40 credit hours of upper-division required. Will need upper-division General Education in order to meet this requirement.)

Total Elective Credit Hours 16

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – CH-103/L; 2) DF or Major Exploration – BI-100/L; 3) DF Exploration outside major requirement (may apply to a minor or second major) – ANY

Tier III – Capstone Experience – Major Capstone Experience: 1) Major Capstone Experience – ED-492

3. Physical Education/School Health (Grades 6–12) Emphasis

The program of study physical education and school health is designed to prepare teacher candidates at the undergraduate level for entry into the field of physical education and health for grades 6–12. Teacher candidates are prepared for teaching in local, regional, U.S. mainland, Department of Defense, and other schools where physical education and health are taught. Students will be able to demonstrate the ability to meet the NASPE (2014) standards.

General Education:

Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog. The following are requirements for this major that fulfill certain General Education requirements.

Course	Course Title	Credits
MA-151	Introductory Statistics	3
PY-101	General Psychology	3
Choice of:		
HI-211	History of Guam	3
ED-265	Culture and Education in Guam	3
BI-124/L	Human Anatomy and Physiology I	4
AL-185	Human Nutrition	3
HS-200	Health and Wellness	3

Note: A grade of "C" or better is required in these courses.

Total General Education Credit Hours 47

Professional Education Courses:

Course	Course Title	Credits
ED-110	Introduction to Teaching	3
ED-201	Human Growth and Development	3
ED-300	Educational Psychology	3
ED-462	Content Area Literacy	3
ED-463	Classroom Management for a Diverse School and Society	3
ED-489	Evaluation	3
ED-492	Practicum in Student Teaching	12

Note: A grade of "C" or better is required in these courses.

Total Professional Education Credit Hours 30

Recommended Electives:

Course	Course Title	Credits
PE-109	Technology in Physical Education	3
ED-271 or	Technology Applications for Educators	3
ED-451	Audio Visual Education	3

Total Elective Credit Hours 6

Specialization Courses:

Course	Course Title	Credits
PE-117	Folk, Square, and Social Dance	3
PE-118	Outdoor Pursuits and Racquet Sports	3
PE-124	Individual Sports	3
PE-126	Outdoor Team Sports	3
PE-127	Introduction to Tumbling and Rhythmic Gymnastics	2
PE-212	Motor Learning	3
PE-214	Community Health for Educators	3
PE-220	Indoor Team Sports	3
PE-305	Historical and Philosophical Foundations of Physical Education	3
PE-312	School Health	3
HS/PE-322	Kinesiology	3
HS/PE-324	Exercise Physiology	3
PE-352	Methods of Teaching Elementary Physical Education	3
PE-353	Methods of Teaching Middle and High School Health and Physical Education	3
SW/HS-355	Human Sexuality	3
PE-454/G	Adapted and Developmental Physical Education	3

Total Specialization Course Credit Hours 47

TOTAL PHYSICAL EDUCATION EMPHASIS CREDIT HOURS 130

Note: A grade of "C" or better must be earned in all requirements for the major. A minimum GPA in the content area of 2.75 and 2.7 overall is required for graduation.

*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – BI-124/L; 2) DF or Major Exploration – AL185; 3) DF Exploration outside major requirement (may apply to a minor or second major) – HS-200

Tier III – Capstone Experience – Major Capstone Experience: 1) Major Capstone Experience – ED-492

4. Fine Arts Emphasis

Students should use the requirements for the Art Track Minor or Music Track Minor as their guide when selecting required courses. The total number of Art or Music credits is 36, and the elective courses should help prepare the student for the required Praxis Subject Assessments. Please see program advisor.

Required Courses:

Students must be proficient enough in the fine arts to pass the Praxis II content test in Music or Art or its equivalent as determined by the SOE and Commission for Educator Certification.

Fine Arts (Music)

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – FA231; 2) DF or Major Exploration – MU-104, MU-105, OR MU-106; 3) DF Exploration outside major requirement (may apply to a minor or second major) – ANY

Tier III – Capstone Experience – Major Capstone Experience: 1) Major Capstone Experience – ED-492

Fine Arts (Art)

SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (can be within a declared major) – FA231; 2) DF or Major Exploration – AR-103; 3) DF Exploration outside major requirement (may apply to a minor or second major) – ANY

Tier III – Capstone Experience – Major Capstone Experience: 1) Major Capstone Experience – ED-492

TOTAL FINE ARTS EMPHASIS CREDIT HOURS 36

5. Career and Technical Education with Emphasis Areas

This Option B is to prepare students for career and technical teaching careers in senior high schools and higher education. Students seeking a degree in Secondary Education with an Option B in a career and technical specialty receive extensive preparation in professional education as well as training in their specialty. Candidates will transfer 30 credits of approved skill course credits to the University of Guam (from accredited institutions) and will complete the University and School of Education requirements in the areas of General Education, Professional Education, and Field Requirements for the bachelor's degree. All programs must be approved by the program coordinator. (Note: 40 credit hours of upper-division required. Will need upper-division General Education in order to meet this requirement.)

Secondary Education Specializations

Education majors may also add a specialization. The specialization courses are designed to provide students with a fundamental understanding of a specific group of learners. It satisfies some of the UOG prerequisite requirements toward admission into the Master of Education degree in that area.

Areas of specialization include:

English as a Second Language (ESL)

The specialization in ESL is designed for pre-service and in-service teachers who wish to teach English as a Second Language (ESL) at the elementary or secondary level. The courses are designed to prepare students in the specialization to work with second-language learners, both in mainstream classes and in pullout ESL courses. The program includes methods and strategies for promoting success in English as well as content courses for K–12 learners. Issues such as bilingualism, second language acquisition, needs of non-native English-speaking children, and culture will be addressed throughout the five specialization courses. Students will be expected to become familiar with the rules of English grammar. This specialization also serves as an entry-way for students hoping to pursue careers teaching ESL abroad.

Requirements:

Course	Course Title	Credits
ED-280	Introduction to Bilingualism/Biculturalism	3
ED-385	Structure of the Language	3
ED-480	Second Language Curriculum and Materials Development	3
ED-481	Second Language Teaching Methodology	3
ED-482	Working with Second Language Learners	3

Total ESL Specialization Credit Hours 15

Special Education

This specialization is designed to prepare students for entry into the field of human services for exceptional individuals with specific emphasis areas in teaching exceptional learners. It is generic and provides basic teaching knowledge and skills applicable to individuals with disabilities.

Requirements: (15 credit hours)

Course	Course Title	Credits
ED-310	Remediation of Individuals w/ Learning Disabilities/Behavior Disorders	3
ED-314	Assessment of Skills for Children & Youth w/ Special Needs	3
ED-442	Special Education Law	3
ED-446/G	Including Children w/ Disabilities in the Regular Classroom	3
ED-457/G	Behavior Management in Special Education	3
Total Special Education Specialization Credit Hours		15

SCHOOL OF ENGINEERING

DEGREE PROGRAMS

Bachelor's Degrees

- Bachelor of Science in Civil Engineering

ABOUT THE SCHOOL

The School of Engineering had its beginning in the University of Guam Pre-Engineering Program, which was established in 1989 to help fill the chronic need for local engineers for Guam and the other islands in the Western Pacific. The Pre-Engineering Program produced students prepared for admission as juniors into any four-year engineering school accredited by ABET. On Oct. 29, 2009, the president of UOG expressed his vision for establishing a four-year accredited engineering degree program to help meet the current and growing demand for engineering expertise in Guam and the region's private and public sectors. In September 2016, the UOG Board of Regents formally established the new School of Engineering, and in February 2019, the board approved a four-year Bachelor of Science in Civil Engineering for the School of Engineering. The degree will be accredited by the Accreditation Board for Engineering and Technology (ABET).

A new building will house the new program that will provide state-of-the-art classrooms and laboratories as well as office space for faculty and administrators.

ACADEMIC MISSION

The mission of the School of Engineering is to develop highly competent professionals prepared for entry-level positions in civil engineering, to further study in graduate school, and for life-long learning and societal leadership.

VISION

The School of Engineering strives to graduate highly qualified engineers, maintain nationally recognized research, and provide quality professional and community service to Guam, Micronesia, and the neighboring regions in the Pacific and Asia.

ADMISSION REQUIREMENTS

Students who are planning to enroll in the program should be familiar with the general requirements and procedures for admission to the University (www.uog.edu/admissions/undergraduate-students).

Required High School Units

First-time college student applicants to the undergraduate program in Engineering will be required to have the following units of study completed in high school:

- English: 4 units (3 with substantial composition)
- Mathematics: 4 units (Algebra 1 level and above)
- Natural Science: 3 units (2 with lab)
- Social Science: 3 units
- Foreign Language: 2 units (of the same language)
- Academic Electives: 2 units

Total: 18 units

First-time college student applicants who do not meet the above criteria but do meet UOG general admission requirements will have their applications reviewed by a faculty committee for admission.

Students must also have an ACT mathematics score of at least 25 and an ACT composite score of at least 24 as well as a minimum 1210 SAT combined score or minimum 24 ACT combined score or class ranking in the top 25% of their high school class.

Students without the prerequisite preparation must take the needed coursework before enrolling in courses required for the bachelor's degree.

Re-admission and Transfer Applicants

Students seeking re-admission must have been in good academic standing when last enrolled. Otherwise, re-admission requires a formal review by the Undergraduate Program Committee.

Transfer applicants must have an overall GPA of at least 2.0 in all coursework, which includes repeated coursework attempted at previous institutions. Transfer applicants without a 2.0 or higher college GPA must submit a petition for admission.

Mathematics Preparation

Students who are interested in enrolling in the Engineering Program must have solid preparation in mathematics. All UOG students enrolling in mathematics courses must take the mathematics placement test before enrolling in their first mathematics course. Arrangements may be made for the placement examination by contacting the Mathematics Science Office at 735-2825.

ADVISEMENT

The School of Engineering is committed to student advisement. Students are encouraged to seek advisement at any time. Advisement is essential to the planning of an appropriate and efficient student schedule. A student who wishes to declare a Civil Engineering major must consult the Student Counseling Office for advisement. Students should contact the School of Engineering at 735-2761 for an appointment for advisement.

STUDENT ORGANIZATIONS

Engineering students have opportunities for joining various professional organizations. For more information on the organizations below, contact the School of Engineering.

- Society of American Military Engineers (SAME)
- Engineering, Mathematics, and Computer Science Club (EMC2)

DEGREE PROGRAM

SCHOOL OF ENGINEERING

CIVIL ENGINEERING PROGRAM

Prospectus

Civil engineering is the oldest branch of engineering and plays a major role in developing a society and civilization. Employment of civil engineers is projected to grow 20% from 2012 to 2022, which is much faster than the average for all occupations. As infrastructure ages, civil engineers will be needed to manage projects to rebuild bridges, repair roads, and upgrade levees and dams.

UOG's School of Engineering offers a Bachelor of Science in Civil Engineering degree to meet the needs of local students and the workforce requirements of Guam, Micronesia, and the neighboring regions of the Pacific and Asia. The graduates will be valuable for Guam construction companies, consulting companies, municipalities, Guam Department of Public Works, Guam Environmental Protection Agency, and more. Graduates will be primarily involved with the analysis, design, and development of

STUDENT ASSISTANTSHIPS AND OPPORTUNITIES

Engineering students have opportunities to work as research assistants or interns at organizations such as the School of Engineering, UOG's Water & Environmental Research Institute of the Western Pacific, Guam Waterworks Authority, Guam Power Authority, and government of Guam agencies, such as the Department of Public Works and Guam Environmental Protection Agency. There are also opportunities for internships and part-time work with private consulting firms.

ADMINISTRATION

The dean of the School of Engineering serves to direct and supervise the teaching, research, and service activities of the School. Questions may be directed to:

Dr. Shahram Khosrowpanah, Interim Dean
School of Engineering
UOG Station
303 University Drive
Mangilao, GU 96923
Tel: 735-2694/2761
Email: khosrow@triton.uog.edu

structural systems, construction projects, transportation projects, environmental treatment facilities, and project management.

The baccalaureate degree in Civil Engineering from the School of Engineering will be accredited by the Accreditation Board for Engineering and Technology (ABET).

Students from the Pacific region enrolled in UOG's Engineering Program will benefit from being able to study close to home and at a substantial savings compared to schools in other states or countries.

Learning Outcomes

Students completing the Civil Engineering program must demonstrate:

1. An ability to apply knowledge of mathematics, science, and engineering.
2. An ability to design and conduct civil engineering experiments as well as to analyze and interpret data.

3. An ability to design a system, component, or process to meet desired needs within realistic constraints, such as economic, environmental, social, political, ethical, health, and safety.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility, including the importance of professional licensure.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. The recognition of the need form and an ability to engage in lifelong learning.
10. The recognition of contemporary issues in relation to civil engineering.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
12. The understanding of basic concepts in management, business, public, and leadership.

Graduation Requirements

The University will confer a bachelor's degree when the following conditions have been met:

- The faculty of the School of Engineering recommends the student for degree completion.
- The dean certifies that all requirements of the degree being sought have been completed.
- The student completes a minimum of 127 semester hours in acceptable coursework.
- The student meets the residency requirement.
- The student completes a minimum of 30 credit hours at the School of Engineering at the junior or senior level. These credits must include the design project, CEE404 and CEE 405. Exceptions (normally not to exceed six hours) may be made in advance by the dean.
- The requirements of the core curriculum and the CE program must be satisfied.
- The student holds a cumulative GPA of 2.0 or higher.
- Transfer credits in civil engineering and other technical areas are evaluated by the faculty of the Department of Civil Engineering. Transfer students can be awarded transfer credits for courses with a "C" grade or better and then only for courses that are applicable toward the Bachelor of Science in Civil Engineering curriculum.
- The student holds a 2.0 average GPA in all CEE courses
- The student meets the grade requirements for major, engineering courses, and course sequences established by the School of Engineering.

Civil Engineering Program Requirements

General Education	47 credit hours
Core Requirements	80 credit hours
<i>Mathematics</i>	14 credits
<i>Sciences</i>	21 credits
<i>General Engineering, Computer Science</i>	8 credits
<i>Humanities and Social Sciences</i>	30 credits
<i>Civil Engineering</i>	54 credit
Total Credit Hours	127 credit hours

Required Courses:

Course	Course Title	Credits
Mathematics (14 credits)		
MA-203*	Calculus I	5
MA-204	Calculus II	5
MA-205	Calculus III	4
Sciences (21 credits)		
CH-102/L*	General Chemistry	4
CH-103/L*	General Chemistry	4
PH-251/L	University Physics	5
PH-252/L	University Physics	5
GenEd Tier II Direction Building		3
General Engineering, Computer Science (8 credits)		
CEE-100	Introduction to Engineering	1
CEE-101	Engineering Graphics	3
CS-201	Programming I	4
Humanities and Social Sciences (30 credits)		
EN-110	Freshmen Composition	3
EN-111	Writing for Research	3
CT-101	Critical Thinking	3
CO-210	Fundamentals of Communication	3
GenEd Tier II Humanities and Social Sciences		12
GenEd Tier II Uniquely UOG		6

Course	Course Title	Credits
Civil Engineering (54 credits)		
CEE-201*	Engineering Statics	3
CEE-202	Engineering Dynamics	3
CEE-203	Mechanics of Materials	3
CEE-204	Mechanics of Fluids	3
CEE-301	Structural Analysis	3
CEE-302/L	Engineering Hydraulics	4
CEE-303/L	Geotechnical Engineering	4
CEE-304/L	Civil Engineering Materials	4
CEE-305	Earth Structures Design	3
CEE-306	Reinforced Concrete Design	3
CEE-307	Introduction to Environmental Engineering	3
CEE-308	Introduction to Survey	2
CEE-400	Fundamentals of Transportation Engineering	3
CEE-401	Steel Structures Design	3
CEE-402	Foundation Engineering	3
CEE-403	Fundamentals of Transportation Engineering	3
CEE-404	Civil Engineering Design I	2
Choice of one of the following Electives:		3
CEE-406	Introduction to Construction Management	
CEE-407	Engineering Economy	
CEE-408	Water and Wastewater Treatment Design	

TOTAL CREDIT HOURS **127**

**Note: Course may apply to General Education requirements.*

SCHOOL OF HEALTH

DEGREE PROGRAMS

Bachelor's Degrees

- Bachelor of Science in Health Science
 - Pre-Physical Therapy
 - Exercise Science and Health Promotion
 - Public Health
- Bachelor of Science in Nursing
 - Generic
 - Second-Step
- Bachelor of Social Work

ABOUT THE SCHOOL

The School of Health began in 1966 as the Department of Nursing in the Division of Human Ecology, offering an associate degree nursing program. In 1989, the department became the School of Nursing and Allied Health within the College of Arts and Sciences. In 1994, the nursing program became autonomous, and the name was changed to the College of Nursing and Health Sciences. In 1998, the unit of Health, Physical Education, Recreation and Dance joined the CNHS. The Social Work unit was integrated in May 1999. Through the years, there have been organizational and name changes. At the present time, in Fanuchãnan 2019, the School of Nursing and Health Sciences is now known as the School of Health with the Health Sciences, Nursing, and Social Work programs housed in the school. The School of Health is proud to prepare our graduates for their professions and to meet the mission of our school through close collaboration with our community and health care partners.

ACADEMIC MISSION

The School of Health is committed to improving the health, fitness, personal, and social well-being of the people of Guam and the Western Pacific. To realize this mission, the School of Health:

1. Delivers programs designed to prepare graduates for their professions: nursing, social work, exercise science and health promotion, public health, and pre-physical therapy. The school provides ongoing educational development for members of the respective professions. The School fosters collaboration among the disciplines and facilitates inter-professional education.

2. Engages in collaborative research and creative endeavors focused on the needs of the people of Guam and the Western Pacific.
3. Promotes the advancement of social and economic justice and the empowerment of the community. Promotes community service of students and faculty.

STUDENT ORGANIZATIONS

Student Organization	Faculty Advisor
Health Science Student Organization	Anthony John Ada Jr.
Social Work Student Alliance	Dr. Tressa Diaz
Student Nurses Association of Guam	James Finch and Jennifer Turner

ADVISEMENT

Academic advisement is provided to assist students throughout their educational career as they prepare to become competent entry-level professionals. The faculty advisor monitors the student's progress, provides consultation in planning a course of study, and assists in problem solving with regard to classroom, clinical practice, and field course work. The advisor serves as an "anchor person" with whom students may confer regarding any program-related problem or question.

ADMINISTRATION

The administrative office for the School of Health is located in Room 100 of the Health Sciences Building. Inquiries or correspondence regarding the School of Health programs may be directed to:

Dr. Margaret Hattori-Uchima, Dean
School of Health
University of Guam
UOG Station
Mangilao, GU 96923
Tel: (671) 735-2650/2/3
Email: muchima@triton.uog.edu

DEGREE PROGRAMS

SCHOOL OF HEALTH

NURSING PROGRAM

Prospectus

Graduates of this program are prepared to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN), enabling them to apply for a nursing license. The program is approved by the Guam Board of Nurse Examiners and accredited by the Accreditation Commission for Education in Nursing Inc. (ACEN). The NCLEX pass rates within the program for the May 2016, 2017, and 2018 graduating cohorts was 100%. This is well above the U.S. national average for BSN programs. Our graduates are able to obtain employment in a variety of health care settings and are prepared for education beyond the BSN level. Our students receive a high-quality education from a dedicated faculty and staff.

Philosophy

The philosophy of the Nursing Program supports the mission and goals of the School of Health and the University of Guam in the commitment to the people of the Western Pacific. The philosophy of the Nursing Program blends the four major concepts of man, environment, health, and nursing with its educational purpose. The philosophy reflects the values and beliefs of the faculty and is the foundation of the nursing curriculum:

Man has an inherent creative drive toward higher and more positive levels of existence and self-actualization and that caring provides the energy that compels this positive impetus. Man makes his own life choices within those available to him and is therefore accountable for the consequences of these choices. Individual aspirations and personal accountability for one's own actions make man unique.

Promoting optimum health and wellness is the purpose of all nursing behavior. Health is determined by the ability of the individual, family, group, or community to set personally meaningful and realistic goals, and to mobilize energy resources to attain these goals efficiently. This is accomplished while caring for and about self and others, helping others feel good about themselves, and with the fewest possible negative effects on the environment.

Program Mission

The Bachelor of Science in Nursing Program is committed to the mission of a land-grant university serving the people of Guam and the Western Pacific Island communities. The mission of the Bachelor of Science in Nursing Program is threefold:

1. To offer professional nursing education to the culturally and academically diverse population of the region. To realize this mission, the nursing program provides undergraduate studies in nursing to: non-nurses, licensed nurses, and graduate nurses; implements, evaluates, and refines the curriculum to produce culturally competent, caring nurses who think creatively and critically and meet national professional nursing standards.
2. To increase the body of nursing knowledge through research and creative endeavors. To realize this mission, the nursing programs encourages faculty and students to participate in research, projects, programs, and advanced study and to conduct and disseminate findings of research and health-related projects.
3. To serve culturally diverse people and health care providers of the region. To realize this mission, the nursing program offers continuing education and consultation locally and through distance technology and provides leadership to raise standards, enhance health and well-being, and promote collegiality between providers.

Learning Outcomes

The Nursing curriculum is founded on a philosophy designed to enhance a person's ability to make decisions toward maintaining optimum health. The student learning outcomes or characteristics of the graduate are derived from the philosophy and mission of the program. The program accomplishes its educational and related purposes when the graduate demonstrates the following outcomes based on the program's 10 core concepts:

1. Caring: Fosters and implements caring behaviors in technologically diverse settings
2. Ethical and Legal: Uses legal and ethical principles in nursing practice
3. Management: Manages nursing care in collaboration with the client and others on the health care team
4. Nursing Process: Uses the nursing process to provide holistic care and empowers clients to attain optimal wellness

5. Research: Identifies research problems, participates in research activities and applies research findings to nursing practice
6. Professionalism: Demonstrates self-directed learning in the lifelong quest for personal and professional growth
7. Creative and Critical Thinking: Uses creative and critical thinking in applying theoretical knowledge to nursing practice
8. Cultural Competence: Demonstrates cultural competence while promoting, maintaining and restoring health
9. Communication: Communicates effectively in private and in public, by written, verbal and nonverbal means
10. Leadership: Provides leadership in nursing by addressing issues and trends that affect health care.

Admission Requirements

There are two entrance levels in the baccalaureate degree nursing programs: Pre-nursing and Nursing. Any regularly enrolled University of Guam student may apply for acceptance to the nursing program. Application packets are available at the school's administrative office (HS 100). Upon receipt of all necessary documents, the Nursing Admissions & Academic Standards Committee reviews applications and notifies applicants by letter of their acceptance or non-acceptance to the nursing program.

- **Acceptance to Pre-nursing Level**
Students in the Pre-nursing major are those who have not yet completed prerequisite courses and English competency requirements (California Reading Test) for enrollment in NU-202B. Pre-nursing students who are approaching the Nursing level enrollment must submit a letter of request for admission to the Nursing major. The letter with accompanying academic information is submitted to the Nursing Admissions & Academic Standards Committee. Refer to the admission policy and procedures in the Nursing Program Manual.
- **Admission to Nursing Level**
Students in the Nursing major are those who have completed prerequisite courses and met admissions criteria including a GPA of 2.7 or higher and are ready to enroll in NU-202B and subsequent courses. Refer to the admission policy and procedures in the Nursing Program Manual for the admission criteria.

Based on their preferences and past academic records, second-degree students may be accepted into the BSN program tracks. Students with advanced medical degrees may request an evaluation for acceleration into the BSN program. Refer to admission policies and procedures for second step BSN or second-degree students in the Nursing Program Manual.

Tracks

Generic BSN Track

This nursing program is designed for students who wish to pursue a nursing degree. It is a four-year professional nursing program of study leading to a Bachelor of Science in Nursing with eligibility to take the national examination for licensure as a registered nurse. Students must meet the following admission criteria:

1. Graduation from high school or possession of a General Education Diploma (GED) equivalent or a practical nursing program, with a cumulative GPA of 2.7 or better.
2. Completion of high school chemistry (one year), biology (one year), and algebra and geometry (one year).
3. Admission to the University of Guam.
4. Submission of transcripts for evaluation by the University registrar of all previous coursework taken at other educational institutions. (Unofficial college transcripts may be submitted to the Nursing Program for unofficial evaluation.)
5. Application to the Nursing Program.
6. Disclosure of any misdemeanor conviction.
7. Misdemeanor convictions disclosed will be referred to AASC.
8. No felony convictions.

Second-Step BSN Track

The Second-Step BSN track is designed for nurse graduates of diploma or associate degree programs. Its purpose is to expand the breadth and depth of basic nursing knowledge and promote leadership in community, mental health, school health, and nursing research. The program is designed to meet the needs of the more mature, employed student. Students must meet the following admission criteria:

1. Be admitted to UOG
2. Apply and be accepted at the pre-nursing level of the BSN Program. (Refer to Admission Process – Generic BSN.)
3. Pass the California Reading Test with a score of 12.0 or better
4. Provide evidence of completion of an ADN Program
5. Provide a copy of current nursing license
6. Meet all pre-requisite course and GPA requirements of the BSN Program
7. Disclosure of any misdemeanor conviction
8. Misdemeanor convictions disclosed will be referred to AASC
9. No felony convictions
10. Complete the admission procedure

11. Arrange with the nursing administrator or faculty advisor to take the National League of Nursing Acceleration Challenge Exam tests for 200- or 300-level nursing theoretical courses be considered for credit transfer from their ADN program.

Nursing Program Policies

Refer to the Nursing Program Manual for policies and procedures about admission, course sequences, advisement, priority enrollment, student petition and appeals, repeating nursing courses, probation, suspension, and academic integrity. Nursing Program Policies supersede UOG policies on grading, probation, suspension, and dismissal. Refer to University of Guam Academic Rules and Regulations for policies and procedures about Out-of-Sequence, Withdrawal, Re-admission, and Dismissal, and Student Rights and Responsibilities.

- **Grades**

In order to remain in good standing in the nursing program, students must maintain a cumulative GPA of 2.7 or better in all nursing courses and all required support courses. All prerequisites must be met before progression in the program.

- **Transportation**

Students are responsible for reliable transportation so that attendance requirements for class and clinical work can be met. Students must be able to drive to a variety of community-based settings during the senior-year practicum courses.

- **Out-of-Sequence Students**

An out-of-sequence student is one who is not following the recommended sequence of nursing courses within the recommended time frame. Students may be out-of-sequence for any of the following reasons: part time study, transfer, failure of a nursing or required support course, withdrawal from a nursing or required course, or returning students.

Advisement

The Nursing Admissions & Academic Standards Committee appoints a faculty advisor to students accepted to the Nursing Program. The advisor is named in the letter of acceptance. Usually that relationship continues until the student graduates, withdraws, or changes majors within the University. Students who are taking courses toward nursing as a major and have not been accepted to the program will be advised by a designated nursing faculty advisor. Students should go the SNHS Administrative Office (HS 100) for information.

Nursing students must meet with their advisor for clearance to register for future courses. They are encouraged to meet with their advisor on a regular basis throughout the semester.

Nursing Program Requirements (124 credit hours)

Generic BSN Track

General Education	49 credit hours
Required Support Courses	11 credits hours
Required Nursing Courses	64 credits hours
Total Credit Hours	124 credit hours

Required Support Courses:

Course	Course Title	Credits
EN-110*	Freshman Composition	3
EN-111*	Writing for Research	3
MA-151*	Introductory Statistics	3
BI-124/L*	Human Anatomy and Physiology I	4
BI-125/L	Human Anatomy and Physiology II	4
BI-225/L	Basic Microbiology	4
CH-100/L*	Introduction to Inorganic Chemistry	4
CH-101/L*	Introduction to Organic Chemistry	4
AN-101*	Introduction to Anthropology	3
PY-101*	General Psychology	3
CO-210*	Fundamentals of Communications	3
ED-201	Human Growth and Development	3
AL-185*	Human Nutrition	3

Total Support Course Credit Hours **11**

*Courses count for both General Education and Required Support Courses.

Required Nursing Courses:

Course	Course Title	Credits
NU-200B	Communication and Mental Health Concepts	3
NU-202B	Fundamentals of Nursing	4
NU-203B	Fundamentals of Nursing Practicum	4
NU-204B	Health Assessment	2
NU-205B	Health Assessment Practicum	1

Course	Course Title	Credits
NU-207B	Pharmacology in Nursing	2
NU-214	Dosage Calculation	1
NU-302B	Adult Health Nursing	6
NU-303B	Adult Health Practicum I	4
NU-304B	Family Health Nursing	6
NU-305B	Family Health Nursing Practicum	4
NU-310	Pathophysiology	3
NU-403	Community Health Nursing Practicum	3
NU-408	Psychiatric Mental Health Nursing	3
NU-409	Pathophysiology	3
NU-412	Community Health Nursing	3
NU-415	Independent Nursing Practicum	3
NU-416	Research in Nursing and Health Sciences	3
NU-418	Leadership in Nursing	3
NU-419	Leadership in Nursing Practicum	1
NU-420	Trends in Nursing	2
Total Nursing Course Credit Hours		64

Optional Elective Courses:

Course	Course Title	Credits
NU/AN/SO/ SW-344	Aging: Myth & Realities	3
NU-112	Medical Terminology	2
NU-212	Empowerment Strategies for Nursing Students	3
And transition courses		
NU- 223/323/423	Clinical Mentorship	1
TOTAL TRACK CREDIT HOURS		124

**Second-Step BSN Track
(124 credit hours)**

General Education	49 credit hours
Required Support Courses	11 credits hours
Required Nursing Courses	64 credits hours
Total Credit Hours	124 credit hours

Required Support Courses:

Course	Course Title	Credits
EN-110*	Freshman Composition	3
EN-111*	Writing for Research	3
MA-151*	Introductory Statistics	3
BI-124/L*	Human Anatomy and Physiology I	4
BI-125/L	Human Anatomy and Physiology II	4
BI-225/L	Basic Microbiology	4
CH-100/L*	Introduction to Inorganic Chemistry	4
CH-101/L*	Introduction to Organic Chemistry	4
AN-101*	Introduction to Anthropology	3
PY-101*	General Psychology	3
CO-210*	Fundamentals of Communications	3
ED-201	Human Growth and Development	3
AL-185	Human Nutrition	3

Total Support Course Credit Hours 11

**Courses count for both General Education and Required Support Courses.*

Required Nursing Courses:

Course	Course Title	Credits
NU-300S	Communication and Mental Health Concepts	3
NU-306S	Health Assessment	2
NU-307S	Health Assessment Practicum	1
NU-310	Pathophysiology	3
NU-324S	Professional Nursing	3
NU-325S	Professional Nursing Practicum	3

Course	Course Title	Credits
NU-403	Community Health Nursing Practicum	3
NU-408	Psychiatric Mental Health Nursing	3
NU-409	Psychiatric Nursing Practicum	3
NU-412	Community Health Nursing	3
NU-415	Independent Nursing Practicum	3
NU-416	Research in Nursing and Health Sciences	3
NU-418	Leadership in Nursing	3
NU-419	Leadership in Nursing Practicum	1
NU-420	Trends in Nursing	2

Total Nursing Course Credit Hours 64

Optional Elective Courses:

Course	Course Title	Credits
NU/AN/SO/SW-344	Aging: Myth and Realities	3
NU-112	Medical Terminology	2
NU-207	Pharmacology in Nursing	2
NU-212	Empowerment Strategies for Nursing Students	3
NU-214	Dosage Calculation	1
And transition courses		
NU-223/323/423	Clinical Mentorship	1

TOTAL TRACK CREDIT HOURS 124

Acceptance of Credits from Other Institutions

Courses taken in other programs (nursing, medical, military medical, etc.) may be given University of Guam credit through examination. The following exams may be used for credit:

- NU-202: Fundamentals of Nursing (NLN Basic Nursing)
- NU-207: Pharmacology in Nursing (NLN Fundamentals of Drug Therapy)
- NU-302: Adult Health Nursing (NLN Tests for Adult Health Nursing)
- NU-304: Family Health Nursing (NLN Test for Maternal Child Nursing); NACE II RN-BSN Care of the Child and Childbearing Family

- Second Step Program Placement (NLN Acceleration Challenge Exam (ACE))

The student will request credit by exam by applying to the Nursing AASC. Course materials to support the application will be provided by the student. Upon review of the materials and transcript, the decision whether to allow for credit by exam will be made by the AASC. If a 75% or better is achieved, credit by examination for the theory course will be granted. Note: Successful completion of the NLN test and skills check off will constitute substitution for the equivalent nursing major course(s).

The acceptance of online or distance teaching courses is made by AASC in consultation with faculty. Refer to the Nursing Program Manual or your faculty advisor for additional information.

Correspondence with the program's professional accreditation agency can be directed to:

Accreditation Commission for Education in Nursing Inc. (ACEN)
3343 Peachtree Road NE, Suite 850
Atlanta, GA 30326
Tel: (400) 975-5000
Website: www.acenursing.org

HEALTH SCIENCES PROGRAM

Prospectus

The Health Sciences Program provides students with an overview of the knowledge and research of health and the application to health improvement, including the prevention and treatment of human diseases and other poor health outcomes. This program offers three concentrations: Exercise Science and Health Promotion, Pre-Physical Therapy, and Public Health.

The Health Sciences Program is necessary in providing a mass of health professionals needed to address the chronic and emerging infectious disease epidemic in Guam and neighboring islands in Micronesia. This degree will help prepare students for entry-level positions within the health and wellness industries, for entry into health research careers, or for entry into graduate or related professional programs. Concentration-specific options are described below.

The Health Sciences Program provides training and internship opportunities relevant to Pacific Islanders and found only in Micronesia.

The goal of this program is to prepare students for graduate studies in health sciences or for health professions where they will be involved in the identification, evaluation, treatment, and prevention of diseases and injuries; educating the public on prevention and self-management for healthy lifestyles; and designing, implementing, and evaluating programs necessary for promoting general wellness.

Learning Outcomes

Students in the health sciences degree program will demonstrate the following outcomes:

1. Behavior change skills and health promotion competencies
2. The ability to critically analyze information relative to health and disease/injury prevention
3. The ability to understand and apply scientific principles and methods
4. Written and verbal capabilities
5. The ability to work cooperatively in groups
6. The ability to problem seek and solve.

Advisement

Each Health Sciences student is assigned an advisor, who should be consulted throughout the student's enrollment.

Concentrations

Pre-Physical Therapy

The concentration in Pre-Physical Therapy provides students with preparation for competitive entry into off-island programs leading to a Doctor of Physical Therapy (DPT). This option places a strong emphasis on physical and biological sciences as well as application knowledge. A six-credit internship is required, which consists of 300 hours of service in a selected setting, such as a hospital, an extended care facility, or a private clinic in which the student has an opportunity to use skills and knowledge under the supervision of a physical therapist.

Students should recognize that this program does not automatically lead to entry into a physical therapy program at the doctoral level. Entry into these programs is competitively based upon experience and grades. The requirements for this concentration are based on the recommendations of the American Physical Therapy Association.

Exercise Science and Health Promotion

The professional concentration in Exercise Science and Health Promotion provides preparation for students desiring employment in the growing health promotion field and/or graduate studies in exercise science, health education, and related fields. The curriculum places an emphasis on exercise, nutrition, and healthy lifestyle. Students may use this concentration to prepare for certification as

a Certified Personal Trainer or Clinical Exercise Specialist through the American College of Sports Medicine.

Students should recognize that this program does not automatically lead to these certifications. Interested students are encouraged to meet with an advisor to discuss eligibility requirements.

This concentration also requires students to take a 300-hour internship in a professional setting, such as community health agencies, Guam Memorial Hospital, or various wellness clinics or fitness centers.

Public Health

The professional concentration in Public Health is designed to provide students the opportunity to work as public health professionals and/or to enter into a Master of Public Health degree program. The curriculum offers courses related to the five core areas of public health (epidemiology, biostatistics, environmental health, health policy management, and social and behavioral sciences).

Students specializing in this concentration may select one of four options:

- Minor in Health Services Administration
- Minor in Nutrition
- Emphasis in Social and Behavioral Sciences
- Qualification for the Registered Environmental Health Specialist/Registered Sanitarian (REHS/RS) Exam

Students should recognize that this program does not automatically lead to the REHS/RS certification. Students interested in this certification must meet with an advisor to discuss eligibility requirements.

This concentration also requires students to take a 300-hour internship in a professional setting, such as community health agencies, the Department of Public Health & Social Services, the Guam Environmental Protection Agency, or various private groups that participate in services related to public health.

**Health Sciences Major Requirements
(124 credit hours)**

Pre-Physical Therapy Concentration Requirements

General Education	28 credit hours
Core Requirements	41 credits hours
Concentration Requirements	55 credits hours
Total Credit Hours	124 credit hours

Core Requirements:

Course	Course Title	Credits
BI-124/L	Anatomy and Physiology I	4
BI-125/L	Anatomy and Physiology II	4
AL-185	Human Nutrition	3
HS-200	Health and Wellness	3
HS-216	Introduction to Public Health	3
HS-405/G	Epidemiology	3
HS-416	Research in Nursing and Health Sciences	3
HS-498	Internship	6
MA-161a	College Algebra and Trigonometry	3
MA-387/L	Statistics for Sciences	4
NU-112	Medical Terminology	2
NU-344	Aging: Myths and Realities	3

Total Core Credit Hours 41

Concentration Requirements:

Course	Course Title	Credits
BI-157/L BI-158/L	Principles of Biology I & II	8
CH-102/L CH-103/L	General Chemistry I & II	8
HS-322	Kinesiology	3
HS-324	Exercise Physiology	3
HS-350	Test and Measurement in Human Performance	3
HS-451	Research and Report Writing	3
MA-203	Calculus	5
PH-210/PH-211	Introductory Physics Laboratory I & II	2
PH-251/PH-252	University Physics I & II	8
PY-101	General Psychology	3

Course	Course Title	Credits
PY-420	Abnormal Psychology	3
Choice of:		
HS-491	Current Topics in Health Sciences	6
Upper-division advisor-approved BI/CH/PY/SO		

Total Concentration Credit Hours 55

TOTAL CREDIT HOURS 124

Exercise Science and Health Promotion

Concentration Requirements

General Education	32 credit hours
Core Requirements	41 credits hours
Concentration Requirements	51 credits hours
Total Credit Hours	124 credit hours

Core Requirements:

Course	Course Title	Credits
BI-124/L	Anatomy and Physiology I	4
BI-125/L	Anatomy and Physiology II	4
AL-185	Human Nutrition	3
HS-200	Health and Wellness	3
HS-216	Introduction to Public Health	3
HS-405/G	Epidemiology	3
HS-416	Research in Nursing and Health Sciences	3
HS-498	Internship	6
MA-161a	College Algebra and Trigonometry	3
MA-387/L	Statistics for Sciences	4
NU-112	Medical Terminology	2
NU-344	Aging: Myths and Realities	3

Total Core Credit Hours 41

Concentration Requirements:

Course	Course Title	Credits
AL-330	Nutrition throughout the Lifespan	3
AL-335	Nutrition for Health Fitness & Sports	3
ED-201	Human Growth and Development	3

Course	Course Title	Credits
HS-104	Conditioning & Fitness	1
HS-105	Strength Training	1
HS-106	Aerobics	1
HS-210	Human Biology and Behavior	3
HS-322	Kinesiology	3
HS-324	Exercise Physiology	3
HS-350	Test and Measurement in Exercise Science	3
HS-355	Human Sexuality	3
HS-451	Research and Report Writing	3
HS-491	Special Topics in Health Sciences	6
PA-206	Public Health & Disease Management	3
PY-101	General Psychology	3
Advisor-approved HS/BI/CH/CF/PE/PH/PY/SO courses		9 (at least)

Total Concentration Credit Hours **51**
TOTAL CREDIT HOURS **124**

Public Health Concentration Requirements

General Education	25 credit hours
Core Requirements	41 credits hours
Concentration Requirements	55-56 credits hours
Advisor-Approved Elective	3 credit hours
Total Credit Hours	124-125 credit hours

Core Requirements:

Course	Course Title	Credits
BI-124/L	Anatomy and Physiology I	4
BI-125/L	Anatomy and Physiology II	4
AL-185	Human Nutrition	3
HS-200	Health and Wellness	3
HS-216	Introduction to Public Health	3
HS-405/G	Epidemiology	3
HS-416	Research in Nursing and Health Sciences	3
HS-498	Internship	6
MA-161a	College Algebra and Trigonometry	3

Course	Course Title	Credits
MA-387/L	Statistics for Sciences	4
NU-112	Medical Terminology	2
NU-344	Aging: Myths and Realities	3

Total Core Credit Hours **41**

Concentration Requirements:

Course	Course Title	Credits
BI-100/L	Environmental Biology	4
BI-225/L	Basic Microbiology	4
AL-389	Extension Programs & Planning	3
CH-100/L	Introduction to Inorganic Chemistry or higher	4
CH-101/L	Introduction to Organic Chemistry or higher	4
HS-210	Human Biology and Behavior	3
HS-355	Human Sexuality	3
HS-451	Research and Report Writing	3
HS-491	Special Topics in Health Sciences	6
PA-206	Public Health & Disease Management	3
SO-101	Introduction to Sociology	3

Plus one of these four options:

Option 1: Minor in Health Services Administration	15
Option 2: Minor in Nutrition	16
Option 3: Social/Behavioral Emphasis	15
Option 4: Environmental Health Emphasis	15

Note: All students must meet with an advisor to discuss the appropriate courses for each option.

Total Concentration Credit Hours **55-56**
TOTAL CREDIT HOURS **124-125**

SOCIAL WORK PROGRAM

Prospectus

A four-year professional educational program in social work leading to a Bachelor of Social Work (BSW) degree is offered. The BSW is recognized by the National Association of Social Workers as the entry-level degree for the profession. The BSW Program is accredited by the National Council on Social Work Education.

Social work is an academic discipline and profession that concerns itself with individuals, families, groups and communities in an effort to enhance social functioning and overall well-being. A social worker can work in different professional settings (government, for profit, and non-profit) and with various populations (children, adolescents, adults, elderly). Some examples of what a social worker may do are working with clients and their families; collaborating with a larger team to develop treatment plans; completing documentation and other paperwork; running groups; and engaging in research, program development, and/or advocacy initiatives.

The community of Guam along with other communities in Micronesia is experiencing many social problems such as addictions to crystal methamphetamine and other drug use, poverty, high incidences of sexual abuse/assault, teen pregnancy and homelessness, to name a few. A student with a Social Work degree can be in a position to be a change agent/advocate to address some of the issues addressed above. However, many of the social problems require changes at the various systems which include micro, mezzo, and macro levels of social work.

Entry-level social workers can be found at various agencies on Guam — both government and non-profit — which include and are not limited to the following agencies: Guam Behavioral Health and Wellness Center, Department of Public Health and Social Services, Guam Memorial Hospital, Guam Regional Medical Center,

the Department of Youth Affairs, Sanctuary Inc., Westcare Inc., GALA, Erica's House, Department of Labor, Guma Mami, the Lighthouse Recovery Center, Oasis Empowerment Center, the Alee Shelter, I Famagoun-ta, Guam Superior Court, New Beginnings Drug and Alcohol Program, and UOG CEDDERS.

The BSW program is unique in that there is also an MOU between UOG and the University of Hawaii's Master in Social Work Program. In the event that students would like to pursue their MSW, they would have that opportunity to do so through the University of Hawaii and pay in-state tuition. Those students who are also interested in research, advocacy, and teaching can also further their studies and obtain a doctorate in Social Work or Social Welfare or a DSW, Doctorate in Social Work.

The Bachelor of Social Work Program at the University of Guam is the only Council on Social Work Education (CSWE) accredited baccalaureate program in the Western Pacific. The program was founded in 1980, attained candidacy status in 1999, was granted initial accreditation in 2003 and reaffirmation in 2007. It now seeks reaffirmation until 2023. The program has many strengths which include the diverse faculty experience and connections to various places in Micronesia (Chuuk, Pohnpei, Palau), international connections in Korea, Japan, and the Philippines as well as connections in the continental U.S. The program has an average of 27 students accepted into the cohort every year which means a smaller class size and more one to one interaction with the faculty. The students are in cohorts, which not only means that they take classes together but they also develop support for one another. This cohort system has shown positive results for the successful outcomes of our students. Lastly, the interventions taught are culturally relevant/appropriate to the people in the region.

Learning Outcomes

Through the teaching of social work knowledge and practice, the Bachelor of Social Work Program prepares individuals to develop a global perspective of social welfare and social development, to actualize the concept of social caring, to demonstrate belief in the intrinsic value, dignity and worth of all humankind, to serve those in need, and to act with conviction in advancing the principle of social justice and human rights within the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.

The outcomes of the Bachelor of Social Work Program are as follows:

1. Preparation of students to understand, identify with, and incorporate into practice the professional values and ethics of social work;
2. Preparation of students for beginning generalist professional practice with individuals, kinship systems, groups, organizations, and communities;
3. Preparation of students for practice with diverse and at-risk populations;
4. Preparation of students as beginning social work generalists who link indigenous knowledge, social service practice wisdom, and social research;
5. Preparation of students for lifelong learning and critical thinking through an educational process which is grounded in a liberal arts perspective and professional social work foundations;
6. Enable students to integrate knowledge, skills, and values into generalist social work practice;
7. Preparation of students for graduate education in social work.

Admission Requirements

There are two levels of social work majors: Pre- BSW and BSW. A pre-BSW student is any declared social work major who has not yet completed the requirements for advancement to the BSW student status. A BSW student is one who has met these requirements and has been formally admitted to the BSW Program.

To be eligible for the BSW junior level, applicants must:

- Complete at least 45 credits of General Education requirements
- Complete EN-111 Writing for Research
- Complete Mathematics General Education requirements
- Complete SO-101 Introduction to Sociology
- Complete PY-101 General Psychology
- Complete BA-110 Economics
- Complete SW-201 Social Welfare and Development: Global Challenges with a grade of "C" or better
- Have a cumulative GPA of 2.5 or higher
- Submit a completed application form and related materials, including two letters of reference.

Application for advancement to BSW student status are made at the end of the end of April (usually around April 19) of the semester of the student's sophomore year. Upon receipt of all necessary documents, the Social Work faculty reviews the application. The division chair of the program notifies applicants by letter of the faculty's decisions regarding admissions. Students must be advanced to BSW student status in order to take SW-330. Social Work applications can be downloaded from the School of Health webpage on the UOG website. Deadline for submission is April 18.

Grade Requirements

In order to remain in good standing in the BSW program, students must maintain a grade of "C" or better in all required Social Work courses and a minimum of 2.5 cumulative GPA. All prerequisites must be met before progression in the program.

Advisement

Academic advisement is provided to assist students throughout their educational careers as they become competent entry-level social workers. The advisor monitors student progress, provides consultation in planning a course of study, and assists in problem solving with regard to both classroom and field course work. The advisor also facilitates communication between students and their classroom and field instructors. The faculty advisor serves as an "anchor person" with whom students may confer regarding any program-related problem or question. In keeping

with the goals of the program and the spirit of social work, the advising relationship among students, faculty, and administrators is one of collaboration. It is recommended that all pre-BSW students meet with the division chair for advisement before registering for classes each semester. Once a student is admitted into the social work program, he/she is assigned to an advisor.

Social Work Major Requirements

General Education	33 credit hours
Social Sciences Courses	15 credits hours
Statistics	3 credits hours
Social Work Courses	50 credit hours
Advisor-Approved Electives	23 credits hours
Total Credit Hours	124 credit hours

Note: Social sciences and statistics courses that are required by the BSW Program may also count toward General Education and CHamoru Studies requirements. The UOG required minimum number of credit hours for graduation is 124.

General Education:

The BSW program includes a General Education foundation with a minimum of:

- 15 credit hours in the social sciences and economics
- 3 credit hours in mathematics/statistics

Social Sciences Courses:

Course	Course Title	Credits
PY-101	General Psychology	3
SO-101	Introduction to Sociology	3
BA-110	Principles of Economics	3

Two elective upper-division social sciences courses (300-level or above) may be drawn from the fields of anthropology, economics, political science, psychology, sociology, women and gender studies, and CHamoru studies or as approved by Social Work faculty advisor.

Statistics Course:

Course	Course Title	Credits
MA-151	Introductory Statistics	3

Note: These courses may count toward General Education requirements and toward the major in CHamoru Studies.

Social Work Courses:

Course	Course Title	Credits
SW-201	Social welfare and Development: Global Challenges	3
SW-313	Research Methods for Health and Social Services	3
SW-330	Generalist Social Work Practice Methods I	3
SW-331	Generalist Social Work Practice Methods II	3
SW-332	Generalist Social Work Practice Methods III	3
SW-333	Generalist Social Work Practice Methods IV	3
SW-345	Social Justice	3
SW-350	Human Behavior and Social Environment I	3
SW-351	Human Behavior and Social Environment II	3
SW-406	Social Policy	3
SW-408	Advocacy for Social Justice	3
SW-410	Social Welfare and Social Development in Micronesia	3
SW-485ab	Field Instruction	8

Elective Courses:

Course	Course Title	Credits
SW-344	Aging: Myth & Realities	3
SW-355	Human Sexuality	3
SW-400*	Fields of Social Work Practice	3
SW-480	Family Violence	3
SW-490	Special Project in Social Work	3
CM-340	CHamoru Culture	3
CM-412	Topics in CHamoru Studies	3

TOTAL CREDIT HOURS **124**

ROBERT F. KENNEDY MEMORIAL LIBRARY

DEGREE PROGRAMS

Minor and Certificaiton

- Library Science

ABOUT THE LIBRARY

The Territorial College of Guam Library was founded in a World War II military Quonset hut in Mongmong in June 1952, the same year the Territorial College of Guam was established. The curriculum of the College was supported by the library's initial collection of 2,000 volumes consisting mainly of donations from the military and public libraries on Guam. Since then, the University of Guam Robert F. Kennedy (RFK) Memorial Library, housed in the Tan Siu Lin Building, has evolved into the largest library and research facility in the Micronesia region. The library provides 54,201 square feet of work and study area and is equipped with 400 reading seats, serving the University as well as the community of Guam.

The RFK Memorial Library is an academic component and the central library facility of the University. At present, it houses more than 98,059 print titles and 124,977 print holdings; 26,902 microfilm reels and 899,748 microfiche units; 1,527 print serial titles, 187,897 print serial issues; and 5,289 multimedia items. The Integrated Library System (ILS) was installed in January 2009, and SYMPHONY went live in February 2009. The library's online catalog, OCEAN, allows 24/7 access to students, faculty, staff, and other community and regional cardholders and enrollees to the library collection and electronic resources both on and off campus. Electronic database resources subscribed by and licensed to the Library cover a wide-range of subjects in full-text, peer-reviewed articles. New acquisitions and databases are selected regularly to enhance and support the academic quality of the University's class, research, and professional needs.

In September 2009, the Library received a three-year Federal National Leadership Grant from the Institute of Museum and Library Services for the "Information Literacy for Future Island Leaders" Project. In August 2010, the Graduate Research Center opened for service on the second floor of the library. Services available are large-screen computers with Internet and Microsoft Office; research assistance for graduate class assignments; research assistance for theses and special projects; and circulating copies of UOG theses and special projects, etc.

The RFK Memorial Library was designated a Selective Federal Depository in 1978 through the University's land-grant status. As one of the two selective depository libraries in the region, RFK Memorial Library receives 46% of U.S. government publications, many in electronic and Microform formats. The newly added Documents Without Shelves program provides 24/7 access to more than 55,000 federal government documents in PDF full-text via the library's OCEAN online catalog.

Other special collections at the RFK Memorial Library include the Mobil East Asian Collection, the Thesis and Special Projects Collection, the Micronesian Resource File Collection, and the Reference Information File consisting of local and ephemeral materials of current interest. The East Asia Collection offers books and periodicals on the cultures, history, language, and societies of Japan, Korea, and China, including Taiwan and Hong Kong. Mobil Oil Guam established this collection with generous initial and continued support.

The Instructional Media Services within the Library serves student and faculty needs in audio-video duplication and video projects.

The RFK Memorial Library provides Interlibrary Loan services through OCLC, DOCLINE, and other means to UOG students, faculty, staff, administrators, and other library patrons in Guam, Micronesia, and the Western Pacific. Many items can be obtained cost-free, although there may be charges associated.

As a Resource Library of the National Network of Libraries of Medicine, Pacific Southwest Region, the RFK Memorial Library supports the Regional Medical Library (UCLA Louise M. Darling Biomedical Library) to fulfill the medical, health, and consumer health information requests from U.S. health professionals and from the general public in Guam, Micronesia, and the Western Pacific region. The program is coordinated by the National Library of Medicine in Bethesda, Md., and carried out through a nationwide network of health science libraries and information centers.

The RFK Memorial Library is open six days a week during the regular semesters. Hours are posted on the front entrance, Circulation Service Desk, Reference Service Desk, and other locations within the building. Hours vary during the interim and summer sessions. For additional information please visit www.uog.edu/library, or contact the Circulation Desk (671) 735-2311, the Reference Desk (671) 735-2341, or the Administration Office (671) 735-2331/2/3.

ADMINISTRATION

The RFK Memorial Library is administered by the director. The Office of the Director for Learning Resources is located on the first floor of the Robert Kennedy Memorial Library building.

Correspondence with the Library Science Program can be directed to:

Dr. Monique Carriveau Storie, Dean
University Libraries
University of Guam
303 University Drive
Mangilao, GU 96913
Tel: 735-2331/2
Email: mstorie@triton.uog.edu

LIBRARY SCIENCE PROGRAM

Prospectus

Courses in Library Science are offered periodically. Library Science courses are designed to meet the school librarian certification requirements of the Guam Commission of Educator Certification (GCEC). The primary objective of the courses is to prepare school librarians who will be knowledgeable in all main areas of librarianship and who will be able to develop, promote, and administer effective school library programs. The courses will lead to Professional I, School Library Certification on Guam. These courses are in addition to requirements for teacher certification. School librarians on Guam must also meet teacher certification requirements. The current requirements for GCEC School Librarian Certification are 24 semester hours.

Check the GCEC website (www.gcec.guam.gov) for current requirements.

Minor and Certification in Library Science Requirements

Required Courses:

Course	Course Title	Credits
LS-311	Building School Library Collections	3
LS-312	School Library/Media Administration	3
LS-315	Reference and Information Resources and Services	3

Course	Course Title	Credits
LS/ED-319	Children's Literature (required for Elementary Education majors) or	3
LS-320	Young Adult Literature (recommended for Secondary Education majors)	3
Total Required Course Credit Hours		15

Elective Courses:

Course	Course Title	Credits
LS-314	School Library Methods: Teaching and Learning in the School Library (strongly recommended for Elementary Education majors)	3
LS/ED-451	Audio Visual Education	3
LS/ED-452	Computers in Education	3
LS-453	Multimedia Materials and Services	3
Total Elective Course Credit Hours:		9
TOTAL CREDIT HOURS		24

COURSE LISTINGS

COURSE NUMBERING SYSTEM

General Class-Level Designations

0-099 NON-DEGREE UNIT

100-199 FRESHMAN LEVEL

200-299 SOPHOMORE LEVEL

300-399 JUNIOR LEVEL

400-499 SENIOR LEVEL

500-699 GRADUATE LEVEL

800-level courses. The 800 series of courses are post-baccalaureate, professional development courses for teachers. Admission requirements are: 1) proof of a bachelor's degree and 2) proof of present employment as a teacher. No undergraduate may take an 800 course. Credit for an 800 course is not applicable to any degree. These courses may not be cross-listed with any other course. They shall appear on a separate transcript labeled "For Professional Development Only."

SPECIAL COURSE DESIGNATIONS

-90 Series: Special Projects. Courses for individual students, including problems, special studies, and individual research.

-91 Series: Seminar Courses. Courses in which the burden of research and preparation is on the students and class activity is discussion-oriented.

-92 Series: Practicum Courses. Guided work experience supervised by a qualified professor or project director to whom the student reports at regular intervals.

-93 Series: Workshops. Courses administered by a group of specialists and dealing with various applied aspects of a discipline.

-94 Series: Special Studies. Special-category courses usually designed to be offered only once (e.g., a course by a visiting expert; a course designed for a specific group of students).

-95 Series: Thesis. Independent research culminating in a major research paper or project (e.g., Senior Thesis, Master's Thesis).

-98 Series: Internship. A trainee, residency, or intern program in which the student works in a technical or professional area under the supervision of an expert in the field.

-99 Series: Independent Reading. A course of directed readings in a designated field or topic.

CONFERENCE AND SPECIAL PROJECT COURSES

Conference Courses A person who has been accepted for admission to the University of Guam may register for course by conference upon special arrangements with the appropriate college/unit. A conference course is a regular catalog course that is **not** offered in the current semester. A conference course **will not be approved** if the course already appears on the regular schedule of classes.

Enrollment in these courses requires advisor, professor, division/department chairs, and dean/director approval. A student studies privately with a professor. **Deadline for registration for the course by conference is the last day of schedule adjustment (add/drop) of each regular semester and finakpo' terms.** After obtaining this approval, the formal registration and payment for course by conference shall take place at the Professional & International Programs Office on the second floor of the Micronesian Area Research Center/Computer Center building. All other rules and regulations apply.

NOTE: If the Course by Conference is to be used for graduation requirements, grades must be submitted by the professor by the graduating student deadline. In addition, the required contact hours must also be met between the student and the professor for academic credit.

Special Project and Thesis Courses A person who has been accepted for admission to the University of Guam may register for the following Special Projects courses upon special arrangements with the appropriate college/unit. Enrollment in these courses requires the advisors, professor, division/department chairs, and Dean/Director's approval.

190, 290, 390, 490 Special Projects

192, 292, 392, 492 Practicum Courses

199, 299, 399, 499 Independent Reading

A person who has been accepted for admission to the University of Guam may also, with the professor's consent, enroll in the -98 series, Internship, and Special Project Courses **through the ninth week of a regular semester or the first week of the summer terms (please refer to the Calendar at the beginning of this catalog for specific deadline dates per semester)**, provided that the course is offered by any college/school except the School of Education. Internships in the School of Education require prior approval and must be registered for by the end of the schedule adjustment period.

The necessary application/approval forms may be obtained from the Professional & International Programs Office located

on the second floor of the MARC/Computer Center building. After obtaining this approval, the formal registration and payment for Special Projects and -98 series courses shall take place at the Professional & International Programs Office. All other rules and regulations apply.

NOTE: If the Special Project and or Thesis are to be used for graduation requirements, grades must be submitted by the professor by the graduating student deadline. In addition, the required contact hours must also be met between the student and the professor for academic credit.

OTHER COURSE-NUMBER DESIGNATIONS

Letter symbols appearing immediately after course numbers are to be interpreted as follows. Small-case letters "a-b" mean a two-semester sequence to be taken in order. When small-case letters are separated by a comma instead of a dash, these symbols indicate that even though the courses are closely related, they need not be taken in the a, b order if conditions make it more expedient to reverse the order.

CREDIT HOURS

Parenthetical figures following the course title indicate the number of credit hours a course carries.

COURSE ABBREVIATIONS

Subject	Abbreviation	School/College
AGRICULTURE AND LIFE SCIENCES	AL	CNAS
ANTHROPOLOGY	AN	CLASS
ART	AR	CLASS
BUSINESS ADMINISTRATION	BA	SBPA
BIOLOGY	BI	CNAS
CIVIL AND ENVIRONMENTAL ENGINEERING SCIENCE	CEE	SENG
CHEMISTRY	CH	CNAS
CHAMORU STUDIES	CM	CLASS
COMMUNICATION	CO	CLASS
COMPUTER SCIENCE	CS	CNAS
CRITICAL THINKING	CT	CLASS
EDUCATION	ED	SOE
ENGLISH	EN	CLASS
FINE ARTS	FA	CLASS
FIRST YEAR	FY	EMSS

Subject	Abbreviation	School/College
GEOGRAPHY	GE	CLASS
HISTORY	HI	CLASS
HEALTH SCIENCES	HS	SNHS
LINGUISTICS	LN	CLASS
LIBRARY SCIENCE	LS	LR
LEGAL STUDIES – CRIMINAL JUSTICE	LW	SBPA
MATHEMATICS	MA	CNAS
MILITARY SCIENCE	MSL	CNAS
MODERN LANGUAGES		CLASS
CHAMORU	CM	CLASS
CHINESE	CI	CLASS
CHUUKESE	CK	CLASS
FRENCH	FR	CLASS
GERMAN	GN	CLASS
JAPANESE	JA	CLASS
KOREAN	KO	CLASS
POHNPEIAN	PN	CLASS
SPANISH	SN	CLASS
TAGALOG	TA	CLASS
MUSIC	MU	CLASS
NATURAL SCIENCES	NS	CNAS
NURSING	NU	SNHS
PUBLIC ADMINISTRATION	PA	SBPA
PHYSICAL EDUCATION	PE	SOE
PHYSICS	PH	CNAS
PHILOSOPHY	PI	CLASS
POLITICAL SCIENCE	PS	CLASS
PSYCHOLOGY	PY	CLASS
SOCIOLOGY	SO	CLASS
SOCIAL WORK	SW	CLASS
THEATER	TH	CLASS
WOMEN AND GENDER STUDIES	WG	CLASS

COURSE DESCRIPTIONS

AGRICULTURE & LIFE SCIENCES (AL)

AL-101 (3)

INTRODUCTION TO AGRICULTURE F/SP

This course is designed to introduce the science of agriculture. This course explains principles behind the discipline that feeds, shelters, and clothes the world's population. Three hours of lecture. Corequisite: Enrollment in AL-101L a three-hour laboratory class. Prerequisite: MA-085 or higher.

AL-101L (1)

INTRODUCTION TO AGRICULTURE LABORATORY F/SP

AL-101L is the laboratory portion of AL-101 and MUST be taken concurrently with lecture course. Prerequisite: MA-085a-b or MA-089 or higher. Corequisite: AL-101.

AL-102 (3)

INTRODUCTION TO PLANT SCIENCE F/SP/DE

This course introduces students to basic scientific knowledge of plants. Students will learn scientific principles relevant to understanding plant growth and development, plant nutrition, green organisms in the environment and plant improvement. Lab experiments will give students experience in observing, collecting data, and writing reports on plant growth and reproduction. The course consists of online activities that are equivalent of three hours of lecture weekly. Prerequisite: MA-085a-b or MA-089 or higher. Corequisite: AL-102L.

AL-102L (1)

INTRODUCTION TO PLANT SCIENCE LABORATORY F/SP/DE

AL-102L is the laboratory portion of AL-102 and MUST be taken concurrently. The course consists of lab activities included in a lab kit that the students must purchase at the beginning of the semester. There is an option to register for either a classroom section or a section in which the students do the experiments at home and do not meet in the classroom. Prerequisite: MA-085a-b or MA-089 or higher. Corequisite: AL-102.

AL-109 (3)

INSECT WORLD F/Even Years

This course is an overview of insect biology for non-scientists. Emphasis is on insect behavior, ecology and structural/ morphological adaptations. Lab is geared toward identifying common insects and experimentally examining aspects of insect biology. Concurrent enrollment in AL-109 and AL-109L is required. Prerequisite: MA-085a-b or MA-089 or higher.

AL-109L (1)

INSECT WORLD LAB F/Even Years

AL-109L is the laboratory portion of AL-109 and MUST be taken concurrently with lecture course. Prerequisite: MA-085a-b or MA-089 or higher.

AL-130 (3)

INTRODUCTION TO SCIENCE FOR EDUCATORS

SP/Even Years

This is a one-semester course in general science as an introduction to science education and covers scientific inquiry, life sciences and physical sciences. The course consists of three hours of lecture weekly. The lab section of this course must be taken concurrently. Prerequisite: MA-115.

AL-130L (1)

INTRODUCTION TO SCIENCE FOR EDUCATORS' LAB

SP/Even Years

This is a one-semester course in general science as an introduction to science education and covers scientific inquiry, earth and space sciences, life science and physical sciences. This course is the laboratory section taken concurrently with the lecture section. Prerequisites: MA-115. Corequisite: AL-130.

AL-136 (3)

SCIENCE OF AQUACULTURE SP

This course is to introduce the students to the basics of aquaculture (principles and practices) with emphasis in the areas of culture system, nutrition and feeding, reproductive biology, production techniques, water quality management, disease, health management, processing, marketing, and economics of commercially important aquaculture species. It is also designed to help students gain hand on experience in observing, sampling, analyzing and interpreting the dynamics of water parameters of culture system, and learn technical skills to monitor the animal production performance of the common aquaculture species on Guam. Student is required to take AL-136 and AL-136L concurrently. Three hours of lecture and three hours of lab (AL-136L) weekly. Prerequisites: MA-085 a-b or MA-089 or higher.

AL-136L (1)

SCIENCE OF AQUACULTURE LAB SP

AL-136L is the laboratory portion of AL-136 and MUST be taken concurrently with lecture course. Prerequisites: MA-085 a-b or MA-089 or higher.

AL-140 (3)

SCIENTIFIC PRINCIPLES OF FOOD PREPARATION F

This course covers the fundamental processes of food preparation as well as the relationship between scientific principles and cooking procedures. Includes three hours of lecture and three hours of lab weekly. Prerequisite: MA-085a-b or MA-089 and EN-109. Corequisite: AL-140L.

AL-140L (1)

SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB F

This is the laboratory portion of AL-140 and MUST be tak-

en concurrently with lecture course. Includes three hours of lecture and three hours of lab weekly. Prerequisite: MA-085a-b or MA-089 and EN-109. Corequisite: AL-140.

AL-185 (3)
HUMAN NUTRITION F/SP

This course introduces the basic principles of human nutrition, including nutrients, food sources for nutrients, and the national recommendations for a healthy diet. Applied nutrition and the study of current nutrition issues in health, the environment, and the Pacific region are critically reviewed.

AL-211 (3)
INTRODUCTION TO ANIMAL SCIENCE F

This course covers adaptation, distribution and numbers of livestock throughout the world; significance and economic importance; trends in livestock production; introduction to feeding, breeding, disease control, growth, and physiology. Three hours of lecture. Corequisite: AL-211L, the three hours of laboratory companion course. Prerequisite: MA-085a-b or MA-089 or higher, and BI-157-157L or AL-101.

AL-211L (1)
INTRODUCTION TO ANIMAL SCIENCE LABORATORY F

AL-211L is the laboratory portion of AL-211 and MUST be taken concurrently with lecture course. Prerequisite: MA-085a-b or MA-089 or higher, and BI-157-157L or AL-101. Corequisite: AL-211.

AL-281 (3)
PRINCIPLES OF HORTICULTURAL SCIENCE SP

This course introduces principles of plant-soil-climate relations and physical characteristics in horticultural crop production, current practices included. Emphasis is on the practical aspects of producing vegetable, fruit and ornamental crops in the tropics. Three hours of lecture and three hours lab weekly. Laboratories will consist of field activities, field trips, and guest lectures. AL-28L is the laboratory portion of AL-281 and MUST be taken concurrently. Prerequisite: MA-115 or higher and AL-102 or BI-157 or BI-158. Corequisite: AL-281L.

AL-281L (1)
PRINCIPLES OF HORTICULTURAL SCIENCE LABORATORY SP

This course introduces principles of plant-soil-climate relations and physical characteristics in horticultural crop production, current practices included. Emphasis is on the practical aspects of producing vegetable, fruit and ornamental crops in the tropics. Three hours of lecture and three hours lab weekly. Laboratories will consist of field activities, field trips, and guest lectures. AL-281L is the laboratory portion of AL-281 and MUST be taken concurrently. Prerequisite: MA-115 or higher and AL-102 or BI-157 or BI-158. Corequisite: AL-281.

AL-300 (3)
FOOD PROCESSING TECHNOLOGY FA/Odd Years

This course covers basic food processing principles and preservation techniques to extend shelf-life of foods by

inhibiting microbiological or biochemical changes and retaining food sensory characteristics and nutritional quality. Emphasis is on food properties and processing theory, raw material preparation, fermentation technology, blanching, pasteurization, sterilization, dehydration, chilling, freezing, and packaging. Prerequisites: AL-101, AL-101L, AL-140, AL-185 and BI-225/BI-225L. Corequisite: AL-300L.

AL-300L (1)
FOOD PROCESSING TECHNOLOGY LAB F/Odd Years

AL-300L is the laboratory portion of AL-300 and must be taken concurrently. The course consists of lab activities using various technologies to extend shelf-life of foods or process shelf-stable food products. Prerequisites: AL-101, AL-101L, AL-140, AL-185 and BI-225-225L. Corequisite: AL-300.

AL-309 (3)
YOUTH AT RISK FA/Odd Years

This course presents an overview of methods for practitioners' use to help prevent problems experienced by youth such as drug and alcohol abuse, teen pregnancy, sexually transmitted disease, suicide and school dropout. The approach to prevention includes the application of principles from human development, sociology, psychology, social work and education. Individual, family, school and community factors are considered to assess current issues for program development in Micronesia and Guam. Prerequisites: PY-101 or SO-101 or consent of instructor.

AL-311 (3)
PRINCIPLES OF AGRICULTURAL ENGINEERING
As Resources Permit

The course introduces the engineering principles in agriculture as applied to land measurements, surveying and map making, farm water management, irrigation scheduling, and farm electrification. Emphasis is placed on learning how to apply the engineering principles for solving real-life problems in agriculture from calculating how many hours it will take to plow a field to how long to hands-on learning experience in the area of surveying, irrigation, farm machinery, and farm electricity. There are three hours of lecture and three hours of laboratory weekly. Concurrent enrollment in AL-311 and AL-311L is required. Prerequisite: MA-161a or higher. Corequisite: AL-311L.

AL-311L (1)
PRINCIPLES OF AGRICULTURAL
ENGINEERING LABORATORY As Resources Permit

AL-311L is the laboratory portion of AL-311 and MUST be taken concurrently with lecture course. Prerequisite: MA-161a or higher.

AL-321 (3)
HORTICULTURAL PLANT ID AND PROPAGATION
FA/Even Years

This course is designed for students who would like to identify the plants that are important to Guam's culture, economy, and environment. The course covers the appli-

cation of higher plant nomenclature and provides practical experience in the plant identification of fruits, vegetables, weeds, ornamentals and native plants. The principles of plant propagation will be discussed using the best practices for propagating the plants covered in the course. Concurrent enrollment in AL-321L is required.

AL-321L (1)
HORTICULTURAL PLANT ID AND PROPAGATION LAB
FA/Even Years

AL-321L (1) is the laboratory portion of AL-321 and **MUST** be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: AL-281. Corequisite: AL-321.

AL-323 (3)
PLANT PATHOLOGY F/Odd Years

Principles underlying the nature and control of plant disease that are related to crop production and horticulture are introduced in this course. Topics examined include the microorganisms and environmental conditions that cause disease, their dispersal mechanisms and reproductive cycles, and prevention and control options available to manage and contain plant disease. This course meets for three hours of lecture weekly. Concurrent enrollment with AL-323L is required. Prerequisites: AL-101/L and AL-102/L or BI-157/L and BI-158/L.

AL-323L (1)
PLANT PATHOLOGY LABORATORY F/Odd Years

This is the laboratory course for AL-323. Concurrent enrollment in AL-323 is required. This course meets for three hours of laboratory weekly. Prerequisites: AL-101/L and AL-102/L or BI-157/L and BI-158/L.

AL-330 (3)
NUTRITION THROUGHOUT THE LIFESPAN
F/Even Years

The nutritional requirements and diet recommendations of three different life span stages are examined. The stages include: (1) pregnancy and infancy, (2) early childhood and adolescence, and (3) adulthood and aging. Emphasis is placed on the special demands the various lifecycle stages impose on normal nutrition. Prerequisite: AL-185 and ED-201.

AL-335 (3)
NUTRITION FOR HEALTH, FITNESS AND SPORTS
F/Odd Years

This course focuses on nutrition for active people engaged in exercise for sport performance, recreation, or health and fitness. Nutritional needs for sport-specific training, weight status, team sports, and special populations will be discussed. Prerequisites: BI-157-157L and BI-158-158L, or BI-124-124L and BI-125-125L with grade of C or better, and AL-185 or CF-231.

AL-340 (3)
PEST MANAGEMENT SP/Even Years

A capstone agriculture course that draws from the stu-

dent's experience in soil science, horticulture, biology, entomology, and plant pathology to introduce the student to common agricultural pests (insects, plant pathogens and weeds) and their management. As part of the lecture portion of the course, students will be expected to pass the University of Guam Private Pesticide Applicators course and the Nation Plant Diagnostic Network (NPDN) First Detector Course. Laboratory portion of the course will include field trips, exercises in the Cooperative Extension & Outreach. Plant Diagnostic Clinic and lab work in pest identification and pest control. The course meets for three hours of lecture and three hours of laboratory weekly. AL-340L is the laboratory portion of AL-340 and **MUST** be taken concurrently. Prerequisites: AL-281. Corequisite: AL-340L. Suggested courses but not required are biology, entomology, plant pathology and plant identification.

AL-340L (1)
PEST MANAGEMENT LABORATORY SP/Even Years
AL-340L is the laboratory portion of AL-340 and **MUST** be taken concurrently with lecture course. Prerequisite: AL-281. Corequisite: AL-340.

AL-342 (3)
FOOD SAFETY AND SANITATION SP/Odd Years
This course examines biological, chemical, and physical hazards that cause foodborne illness.

Students learn risk factors, food safety measures, and sanitation principles to eliminate foodborne pathogens during food preparation and service and to protect consumers from foodborne illness. Pre requisites: BI-157, BI-157L and BI-158, BI-158L, or BI-124, BI-124L and BI-125, BI-125L or consent of instructor.

AL/BI-345 (3)
GENERAL ENTOMOLOGY F/Odd Years

This course is an overview of insect biology with emphasis on fundamental problems encountered by insects, and the structural and functional adaptations used to overcome these problems. The laboratory focuses on insect identification. The course meets for three hours of lecture weekly. Concurrent enrollment in AL/BI-345L is required. Prerequisites: BI-157, BI-157L or AL-109, AL-109L or AL-281, AL-281L.

AL/BI-345L (1)
GENERAL ENTOMOLOGY LABORATORY F/Odd Years

This course is a corequisite of AL/BI-345 and **MUST** be taken concurrently. The laboratory focuses on insect identification. An insect collection is required. The course meets for three hours of laboratory weekly. Prerequisites: BI-157, BI-157L or AL-109, AL-109L or AL-281, AL-281L. Corequisite: AL/BI-345.

AL-351 (3)
PERSONAL AND FAMILY FINANCIAL MANAGEMENT
FA
Information is presented to understand the role of fam-

ily financial management in western society. The course provides the students with the information they need to develop a lifetime financial plan. Essential components for developing a financial plan and behaviors that put the individual and family on the path to affluence/financial security are covered. These include determining financial goals, monitoring spending, financial statements, saving, cash and credit management, student loans, mortgages, emergency funds, retirement accounts, insurance, investment options and wills. The goal is to prepare students to wisely manage the funds they will receive as they develop their working career. Prerequisite: MA-110 or higher. , or consent of instructor.

AL/NS-380 (3)

PRINCIPLES OF SOIL SCIENCE F

This course delves into the basic principles of the fundamentals of the chemical, physical, and biological properties of soils; their formation, fertility, and management, and the effects of inorganic and organic chemicals on soil processes and properties as they relate to environmental pollution. Two hours of lecture, one-hour recitation and three hours laboratory weekly. Prerequisites: MA-115 or higher and any two chemistry courses and concurrent enrollment in AL/NS-380L is required.

AL/NS-380L (1)

PRINCIPLES OF SOIL SCIENCE LABORATORY F

This course is a corequisite of AL/NS-380 and MUST be taken concurrently. The course meets for three hours of laboratory weekly. Prerequisites: MA-115 or higher and any two chemistry courses.

AL-389 (3)

EXTENSION PROGRAMS AND PLANNING SP

The course reviews development and educational philosophy of the Cooperative Extension & Outreach in the U.S., Guam, and the Pacific Basin. Extension educational programs, planning and development methods, teaching tools, and related topics are explored. Prerequisites: EN-111 and PY-101 or SO-101 or consent of instructor.

AL-392 (1)

LABORATORY TEACHING ASSISTANTSHIP F/SP

This course provides practical educational experience in undergraduate Agriculture and Life Sciences courses. Prerequisites: Completion, with a grade of "B" or better, of the course for which the assistantship is offered, junior standing and consent of instructor.

AL/PA-401 (3)

COMMUNITY PLANNING As Resources Permit

This course is an introduction to community planning and social theories of communities with application activities designed to provide understanding of community problems and concerns; relationships of physical form to environment and function; aesthetic principles and cultural values; and planning as a synthesis of economic, political, social, cultural, physical, and administrative factors. Em-

phasis is on helping village communities understand the special circumstances related to growth and development pressures. Prerequisite: SO-101.

AL-423 (3)

PLANT DISEASE CLINIC As Resources Permit

This course expands on the content knowledge and laboratory techniques introduced in AL-323/L by focusing on diagnosis, management and epidemiology of local plant diseases. In the laboratory section, students develop archival collections of local plant disease specimens and work to confirm pathogen identity. The course meets for three hours of lecture weekly. Prerequisite: AL-323/L or consent of instructor. Corequisite: AL-423L.

AL-423L (1)

PLANT DISEASE CLINIC LABORATORY

As Resources Permit

This is the laboratory section of AL-423. Concurrent enrollment in AL-423 and AL423L is required. Course meets for three hours of laboratory weekly. Prerequisite: AL-323/L or consent of instructor.

AL/BI-4BI-430 (3)

SCIENTIFIC PHOTOGRAPHY SP/Even Years

Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. This course includes two hours of lecture and three hours of laboratory. AL/BI-430L is the laboratory portion of AL/BI-430 and MUST be taken concurrently. Prerequisites: BI-158/158L or AL-281. Corequisite: AL/BI-430L.

AL/BI-430L (1)

SCIENTIFIC PHOTOGRAPHY LABORATORY

SP/Even Years

Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. This course includes two hours of lecture and three hours of laboratory. AL/BI-430L is the laboratory portion of AL/BI-430 and MUST be taken concurrently. Prerequisite: BI-158, 158L OR AL-281, AL-281L. Corequisite: AL/BI-430.

AL-439/G (3)

COMMUNITY NUTRITION SP/Odd Years

This course integrates concepts of education and nutrition. It is designed for the student who wants a broad-based understanding of the strategies that can be used to educate

groups or individuals about concepts of nutrition. Prerequisites: AL-185 and AL-330 or consent of instructor. ED-300 recommended.

AL-443/G (3)
TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE SP/Odd Years

This course provides students with knowledge of agricultural sustainability through the practice of technologies that efficiently utilize resources that aim to improve and sustain soil and water quality and quantity. Students will gain knowledge of the technologies for improving sustainability on agriculture operations, conservation practices that mitigate degradation of soil and water quality in agricultural operations through sustainable management. Students will learn management strategies and technologies that aim to obtain optimum agricultural production, reduce negative environmental impacts, and sustain natural resources. The course meets for three hours of lecture and three hours of laboratory weekly. AL-443L/G is the laboratory portion of AL-443/G and MUST be taken concurrently. Prerequisites: MA-161a, AL-211, AL-281, or consent of instructor. Corequisite: AL-443L/G.

AL-443L/G (1)
TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LAB SP/Odd Year

This course provides students with knowledge of agricultural sustainability through the practice of technologies that efficiently utilize resources that aim to improve and sustain soil and water quality and quantity. Students will gain knowledge of the technologies for improving sustainability on agriculture operations, conservation practices that mitigate degradation of soil and water quality in agricultural operations through sustainable management. Students will learn management strategies and technologies that aim to obtain optimum agricultural production, reduce negative environmental impacts, and sustain natural resources. Laboratories will be conducted three hours weekly, and will consist of field activities, field trips, and guest lectures. AL-443L/G is the laboratory portion of AL-443/G and MUST be taken concurrently. Prerequisites: MA-161a, AL-211, AL-281, or consent of instructor. Corequisite: AL-443/G.

AL-445 (3)
FOOD CHEMISTRY SP/Even Years

This course focuses on the chemical and functional properties of food constituents. Students learn the effects of processing and storage on the stability of chemical components, nutrition values, and quality of foods. Prerequisite: BI-157/157L and BI-158/158L or CH-102/102L and CH-103/103L. Corequisite: AL-445L.

AL-445L (1)
FOOD CHEMISTRY LABORATORY SP/Even Year

AL-445L is the laboratory portion of AL-445 and MUST be taken concurrently. The course consists of lab activities of using various analytical methods to analyze food consti-

tuents and determine functional properties and stability of food components. Prerequisite: BI-157/157L and BI-158/158L or CH-102/102L and CH-103/103L. Corequisite AL-445.

AL-450 (3)
FAMILY RESOURCES SP/Odd Years

This course studies family resource identification and management in relation to a successful household. Family goals and communication, financial management, principles and techniques in managing time, energy and money are stressed. Housing, family life cycle, seniors and government resources are topics included. A family and community foundation provides the basis to understand family resource management. The course explores how family and community needs assessments to determine what community resources exists, identification of gaps and the impacts to families. Prerequisites: BA-110, and PY-101 or SO-101 or consent of instructor.

AL-451/G (3)
AGRICULTURAL BUSINESS MANAGEMENT F/Odd Years

This course examines the role of the manager in the organization and operation of the farm or agri-business. Will cover developing conservation plans, farm business plans, and enterprise budget, as well as other business planning and financial management tools. Prerequisites: MA-115 or higher and AL-351 or BA-110.

AL-455/G 2(3)
NUTRITIONAL ASSESSMENT SP/Odd Years

An in-depth survey of the methods used in the assessment of food and nutrient intakes to include nutritional status of communities, groups, and individuals in both health and disease. Prerequisite: AL-330.

AL-460/G (4)
ADVANCED HUMAN NUTRITION SP/Even Years

This course covers the metabolism and macro- and micronutrients, including structure, digestion, absorption, transport, and cellular functions in human nutrition; energy metabolism and balance; and physiologic basis underlying dietary recommendations for human health. Prerequisites: BI-157/157L and BI-158/158L, or BI-124/124L and BI-125/125L with grade of C or better; CH-101, CH-101L; and AL-445 or instructor's consent.

AL-470 (3)
NUTRITION EDUCATION AND COUNSELING F/Odd Years

This course presents students with current strategies used to provide nutrition and education counseling for individuals and groups to promote behavior change and apply nutrition recommendations as a total health approach. Prerequisites: AL-455 and AL-439.

AL-475 (3)
MEDICAL NUTRITION THERAPY SP/Even Years
Advances knowledge in the nutritional care process and focuses on the health professional and their role in designing modified diets for specific disease states based on current research and standards of care. Prerequisites: AL-185 and AL-455, or instructor consent.

AL-481 (3)
ENVIRONMENTAL SOIL SCIENCE SP/Odd Years
An overview of soil properties and their impact on the environment will be discussed. Topics covered include: soil erosion, soil conservation, soil enhancement, non-point source pollution, soil contamination, and waste management. Students will develop skills in soil and water contaminant analysis and environmental assessment. This course consists of three hours of lecture weekly. Concurrent enrollment in AL-481L is required. Prerequisites: AL/NS-380 and MA161a or higher.

AL-481L (1)
ENVIRONMENTAL SOIL SCIENCE LABORATORY
SP/Odd Years
This is the laboratory section of AL-481. Concurrent enrollment in AL-481 is required. This course meets for three hours of laboratory weekly. Prerequisites: AL/NS380 and MA-161a or higher.

AL-484 (3)
TROPICAL VEGETABLE PRODUCTION SP/Odd Years
This course is a lecture portion of the tropical vegetable production course. Topics include botany and classification of vegetable, crops production and management systems, plant growth and vegetable cultivar development and testing, and vegetable seed production technology. This course meets for three hours lecture and three hours laboratory weekly. Prerequisites: AL-281 and other plant science or biology courses. Corequisite AL-484L.

AL-484L (1)
TROPICAL VEGETABLE PRODUCTION LABORATORY
SP/Odd Years
This course is a laboratory portion of the tropical vegetable production course. Prerequisite: AL-281 and other plant science or biology courses. Corequisite AL-484.

AL-485 (3)
TROPICAL FRUITS HORTICULTURE SP/Even Years
This course covers tropical fruits, their botany, taxonomy and uses, including detailed study of important fruits and their impact on life in the tropics. Topics to be covered are: relationship of the environment; plant structures and cultural practices to yield and quality propagation methods; seed viability, dormancy and seed treatments, fertilizers, growth regulators, and modification of season of production; and stock and scion relationships. The course meets for three hours lecture weekly. Concurrent enrollment in AL-485L is required. Prerequisite: AL-281.

AL-485L (1)
TROPICAL FRUITS HORTICULTURE LABORATORY
SP/Even Years
This course is the laboratory section of AL-485. This course meets for three hours laboratory weekly. Concurrent enrollment in AL-485 is required. Prerequisite: AL-281.

AL-486 (3)
ORNAMENTAL CROP PRODUCTION IN THE TROPICS
F/EVEN YEARS
This course covers topics related to the production of ornamental plants in the tropics. Lectures cover the propagation, management and post-harvest handling of specific crops. Meets for three hours of lecture weekly. Concurrent enrollment in AL-486L is required. Prerequisite: AL-281.

AL-486L (1)
ORNAMENTAL CROP PRODUCTION
IN THE TROPICS LAB F/EVEN YEARS-
AL-486L is the laboratory portion of AL-486 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: AL-281. Corequisite: AL-486.

AL-490 (2-3 credits)
SPECIAL PROJECTS F/SP
The ALS Special Project course is a pre-requisite course to the AL-499 Capstone Seminar. This course is designed to give the student field or laboratory experience within the UOG Research and Extension framework. UOG faculty-directed projects are designed for individual students. The student is required to complete 45 contact hours per credit hour (i.e. 90 hours for 2 credits or 135 hours for 3 credits) of directed research or extension during the semester. The student may repeat this course once. Prerequisites: EN-111, CO-210 and AL-281 or AL-330.

AL-498 (2-3 credits)
INTERNSHIP F/SP
The ALS Internship course is a prerequisite course to the AL-499 Capstone Seminar. This course is designed to give the student field experience outside the university. Students are required to work in a professional or technical, advisor-approved area under the supervision of an expert in the field. The student must complete 45 contact hours per credit (i.e. 90 hrs. total for 2 credits, 135 hrs. total for 3 credits) as an intern at an off-campus professional or technical venue. The student is also required to meet with their advisor for pre-, mid-, and post- assessments. The student may repeat this course once. Prerequisites: EN-111, CO-210 and AL-281 or AL-330.

AL-499 (3)
CAPSTONE SEMINAR F/SP
In this course, Agriculture and Life Sciences seniors complete a variety of written and oral assignments designed to demonstrate mastery in analysis and synthesis of accumulated, learned knowledge in their chosen field with special emphasis on their prerequisite Internship or Special Proj-

ects experience. Students complete 1.5 hours of directed activities and 1.5 hours of independent work weekly.

Prerequisites: AL-490 or AL-498.

ANTHROPOLOGY (AN)

AN-101 (3)

INTRODUCTION TO ANTHROPOLOGY F/SP/SU/DE

This course is an introduction to anthropology: the comparative study of human beings. The basic principles of archaeology, cultural anthropology, linguistics and physical anthropology are explored as they relate to the study of human beings, and to each other as sub disciplines of anthropology.

AN-203 (3)

INTRODUCTION TO ARCHAEOLOGY F/Odd Years

This course presents a broad overview of the practice and principles of archaeology introducing regional, maritime, and international approaches. The course covers locating sites, site surveying, mapping, sampling, excavation, and the recording of cultural remains, alongside contemporary issues in cultural resource management. In-class learning is supplemented with intensive field course preparation and participation.

AN-212 (3)

CULTURAL ANTHROPOLOGY F

This course involves the study of culture, the central concept of anthropology. Traditional and contemporary theories regarding the nature, structure and dynamics of culture are examined, as well as human social institutions: marriage and the family, kinship and descent, social organization, subsistence patterns, economic systems, political organization, social control, religion and magic and the arts.

AN-222 (4)

BIOLOGICAL ANTHROPOLOGY

As Resources Permit

This course surveys the subfield of modern Biological (Physical) Anthropology, with a focus on the study and interpretation of human and non-human primate evolution, contemporary human biological diversity, and the bicultural, ecological and historical dynamics of selective factors including diseases that have impacted – and continue to impact on – the human condition. A three-hour weekly lab is required.

AN-234 (3)

LINGUISTIC ANTHROPOLOGY F

This course presents linguistic questions, methods, and tools used within anthropology with special attention to the relation between Oceanic language and culture. Participants will develop an introductory understanding of the profound implications that language has for the formation maintenance and change of cultural practices and social events.

AN-320 (3)

PEOPLE OF THE PACIFIC SP

AN320 is a study of the cultural anthropology of Melanesia, Micronesia, and Polynesia, the most ethnographically diverse region on the planet. Themes may include art, colonialism, ethnocentrism, first contact, gender, inequality, intoxication, power, race relations, religion, ritual, social change, sorcery and tattooing.

AN-321 (3)

VISUAL ANTHROPOLOGY SP

Visual Anthropology combines filmic theory and practice towards new understandings of cultural anthropology and contemporary society. This course offers undergraduates an opportunity to creatively engage in the direction and production of ethnographic films regarding issues affecting themselves and their community.

AN/EN-333 (3)

LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC F

This course provides an overview of the Pacific island literatures. It surveys myths, legends, folktales, historical and literary works of Guam, Micronesia and other Pacific island cultures. It also explores resources suitable for instruction in the schools.

AN/GE-341 (3)

CULTURAL ECOLOGY F/Odd Years

This course examines the linkages and interactions between human cultures and the environment, particularly of subsistence peoples in the tropics and the Pacific. Traditional and contemporary theories and approaches of human adaptation to and modification of the environment are examined.

AN/NU/SO/SW-344 (3)

AGING: MYTH & REALITIES F

This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economics, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for seniors is included, as is a section on dying, death and grieving.

AN-369 (3)

SPECIAL TOPICS F/SP

This course provides students with advanced study of specific topics within the field of anthropology. The course may be repeated for credit when different topics are covered.

AN-381 (3)**ASIA-PACIFIC MARITIME ARCHAEOLOGY SP**

This course introduces students to the distinctive maritime heritage of the Asia-Pacific region as an example of the world's maritime archaeology to illustrate past and contemporary connections that communities have with the ocean and its resources.

AN-413 (3)**RESEARCH METHODS IN ANTHROPOLOGY F**

This course covers the use of bibliography, reference tools, and research methods in Anthropology. Presentation and cooperative evaluation of research materials, methods, and projects is required. Course may not be repeated for credit.

AN-421 (3)**CROSS-CULTURAL AND SOCIOLOGICAL PROBLEMS OF GUAM AND MICRONESIA SP/Odd Years**

This course analyzes and evaluates the changing cultural patterns of Guam, the Commonwealth of the Northern Marianas, the Republic of Belau, the Federated States of Micronesia and the Republic of the Marshall Islands. New techniques and materials in the social science area pertaining to cross-cultural understanding are considered.

AN-462 (3-6)**ADVANCED FIELD METHODS IN ARCHAEOLOGY**

As Resources Permit

This course offers advanced training of archaeological field methodology for advanced students who already have prior knowledge of archaeological field methods. In addition to focusing on aspects of research design, advanced recovery techniques and data collation and processing, students will develop on-site decision-making and problem-solving skills. This course aims to train advanced students to a level where they can direct archaeological excavation with supervision. Can be repeated once for credit, if field project is different.

AN-498 (4)**INTERNSHIP IN ANTHROPOLOGY F/SP**

This course is designed to introduce students to the application and relevance of anthropology in the workplace and is suitable for anthropology students of junior or senior standing. Placement with an appropriate host organization will be coordinated in association with the student's advisor. The student works a designated number of hours over the course of the semester and holds regular meetings with the appropriate instructor. A final assignment will draw upon the knowledge and skills gained during the period of the internship. Can be retaken for credit if content is different.

ART (AR)

The student can choose either the A-P-NC grading system or the conventional A, B, C, D, F grading system in some lower division studio undergraduate art (AR) courses. The

instructor shall explain the two grading system options to the students and distribute the appropriate form during the first three weeks of the semester. ("Pass" is equivalent to B and C in the conventional grading system. "P" and "NC" are not computed in the grade-point average.)

AR-101 (3)**INTRODUCTION TO ART F/SP/HYB**

This is a course covering the major art trends and their place in history, art media and technique, and criteria for evaluating the visual arts.

AR-102 (3)**STUDIO FOR NON-MAJORS F/SP**

This course is an exploration of visual ideas and images in drawing, painting, printmaking, and other studio techniques. It involves studio work and fieldtrips.

AR-103 (3)**DRAWING I F/SP**

This course develops the student's visual perception and his or her ability to make a visual statement through various drawing media.

AR-104 (3)**BASIC DESIGN F**

Basic Design is an introduction to the principles and elements of two-dimensional visual organization.

AR-203 (3)**DRAWING II SP**

Drawing II provides additional experience in drawing with emphasis on the ability to interpret visual forms in a creative and individualized manner. Prerequisite: AR-103 or consent of instructor.

AR-204 (3)**3-D DESIGN SP/Odd Years**

This course introduces methods, materials, techniques, principles of organization, and elements of design applied to the third dimension as a means to understanding sculptural form. Prerequisite: AR-104 or consent of instructor.

AR-205 (3)**BASIC WATERCOLOR PAINTING F**

Transparent and opaque watercolor techniques are introduced. Emphasis is placed upon creative utilization for the development of original, personal statement and the understanding of the effects and variety of different watercolor techniques. Prerequisite: AR-103 or consent of instructor.

AR-206 (3)**BASIC PAINTING SP**

This course explores problems in color and form with an introduction to painting media. Prerequisite: AR-103 or consent of instructor.

AR-208 (3)

BASIC SCULPTURE F

Sculpture methods and techniques are explored in this course. Emphasis is placed on creative utilization of materials and techniques and the development of a personal direction. Prerequisite: AR-103 or AR-104 or consent of instructor.

AR-210 (3)

BASIC PRINTMAKING F

This is a studio course in which printmaking techniques in block printing and monotype printing are introduced. Prerequisites: AR-103 or AR-104 or consent of instructor.

AR-211 (3)

BASIC PHOTOGRAPHY F/SP

This introductory course enables students to understand and properly use the camera and darkroom with emphasis on composition and visual communications. Prerequisite: Students must have a 35mm SLR camera with interchangeable lenses.

AR-220 (3)

BASIC CERAMICS F/SP

This course is a study of ceramic materials and processes. Emphasis is on developing the student's skills and creativity.

AR-240 (3)

COMPUTER GRAPHIC DESIGN F/SP

An entry-level that involves learning to create eye-catching graphics dealing with the interaction of text and image along with the fundamental components of graphic communication. Students apply their artistic skills using industry-standard software. Prerequisite: AR-102, AR-103, AR-104 or consent of the instructor.

AR-303 (3)

LIFE DRAWING F

This course is a development of the creative potential of the figure in art through the various drawing media. Prerequisite: AR-103 and AR-203 or consent of instructor.

AR-305 (3)

INTERMEDIATE WATERCOLOR PAINTING F

This course provides a continuation of the study of techniques of AR-205. Prerequisite: AR-205.

AR-306 (3)

INTERMEDIATE PAINTING SP

This course provides a continuation of the painting techniques introduced in Basic Painting with emphasis on the problems of visual organization. Prerequisite: AR-206.

AR-308 (3)

INTERMEDIATE SCULPTURE F

This course provides a continuation of the techniques introduced in Basic Sculpture with emphasis on developing the student's skills and creativity. Prerequisite: AR-208.

AR-310 (3)

INTERMEDIATE PRINTMAKING SP

This is a studio course in which printmaking techniques in intaglio printing and screen-printing are introduced. Prerequisite: AR-103 or AR-104 or consent of instructor.

AR-311 (3)

INTERMEDIATE PHOTOGRAPHY SP/Odd Years

Various photographic techniques are analyzed to suit individual creative concerns. A wider range of photographic techniques is explored and the development of the student's personal photographic language is stressed.

AR-320 (3)

INTERMEDIATE CERAMICS SP

This course covers a continuation of the processes introduced in Basic Ceramics including ceramic clays, techniques, and kiln construction. Emphasis is placed on creative utilization of materials and techniques and the development of a personal direction. Prerequisite: AR-220.

AR-322 (3)

HISTORY OF TRADITIONAL JAPANESE ART F/Odd Years

This course is a historical survey of traditional Japanese Art from Neolithic era to the Meiji period (1860's). Prerequisite: AR-101 or consent of instructor.

AR-323 (3)

GALLERY MANAGEMENT AND EXHIBITION DESIGN SP

This is a course that explores the technical aspects of gallery management and exhibition design. Prerequisite: AR-101 or consent of instructor.

AR-326 (3)

ANALYSIS OF SPECIMENS AND DOCUMENTATION F

This is a course that allows the student access to the permanent collection of the Isla Center for the Arts that consists of over 500 objects. Regions represented in the permanent collection include Micronesia, Japan, Papua New Guinea, and Europe. Proper handling and documentation techniques are introduced to emphasize the historical, cultural, and technical/artistic aspects of the objects in the collection. Prerequisite: AR-101 or consent of the instructor.

AR-331 (3)

HISTORY OF ART I SP/Even Years

This course covers the history of art from the prehistoric through the Gothic periods. Prerequisite: AR-101 or consent of the instructor.

AR-332 (3)

HISTORY OF ART II SP/Odd Years

This course covers the history of art from the Renaissance through the twentieth century. Prerequisite: AR-101 or consent of the instructor.

AR-340 (3)

DIGITAL IMAGING TECHNIQUES F/SP

Students explore digital imaging using scanners, digital cameras, and industry-standard software to develop and further refine skills in working with images, words, and ideas as they create solutions to a series of design problems. Concept-driven assignments have strong drawing components. Basic knowledge of industry-standard software along with use of digital camera preferred but not required. Prerequisites: AR-103 Drawing I and AR-104 Basic Design or consent of instructor.

AR-384 (3)

ENVIRONMENTAL ART SP/Odd Years

This course enables students to experience artistic activities in response to the environment, both man-made and natural. These may include tangible or conceptual projects undertaken by either individuals or the group. Emphasis of the course will be determined by the expertise of the instructor. Prerequisite: AR-103 and AR-104 or AR-204 or consent of the instructor.

AR-404 (3)

ADVANCED WATERCOLOR PAINTING I F

The emphasis of this course is on the development of the student's ability to define and express original and personal artistic statements. Prerequisite: AR-305.

AR-405 (3)

ADVANCED WATERCOLOR PAINTING II F

This is a continuation of AR-404 to further extend the student's awareness and experience. Prerequisite: AR-404.

AR-406 (3)

ADVANCED PAINTING I SP

Emphasis is placed upon the student's ability to define and express an original point of view. Prerequisite: AR-306.

AR-407 (3)

ADVANCED PAINTING II SP

This is a continuation of AR-406 to further extend the student's awareness and experience. Prerequisite: AR-406.

AR-408 (3)

ADVANCED SCULPTURE I SP

This course continues AR-308. An emphasis is placed on alerting the student to his own creative potential. Prerequisite: AR-308 or consent of instructor.

AR-409 (3)

ADVANCED SCULPTURE II SP

This is a continuation of AR-408. This course involves individual projects and development of individual style. Prerequisite: AR-408.

AR-410 (3)

ADVANCED PRINTMAKING I F

This course offers the art student additional work in printmaking, with the option of focusing on only one, or several of the printmaking processes which include block printing

(relief), silkscreen printing (serigraphy), intaglio printing (etching, engraving, dry point). Prerequisite: AR-210, AR-310.

AR-411 (3)

ADVANCED PRINTMAKING II SP

This course is a continuation of AR-410. It offers the art student additional work in printmaking, with the option of focusing on additional printmaking processes which include block printing, silkscreen printing and intaglio printing. Prerequisite: AR-410.

AR-420 (3)

ADVANCED CERAMICS I SP

This course is a continuation of AR-320 and involves development of individual style and individual projects. Emphasis is placed on creative utilization of materials and techniques and the development of a personal direction. Prerequisite: AR-320.

AR-421 (3)

ADVANCED CERAMICS II SP

This course is a continuation of AR-420 and involves continued refinement of individual style and individual projects. Emphasis is placed on creative utilization of materials and techniques and the development of personal direction. Prerequisite: AR-420.

BUSINESS ADMINISTRATION (BA)

NOTE:

1. SBPA requirement: must complete EN-111 and MA-110 or MA-115 or MA-161a/b or MA-165 with a C grade or better before enrolling in any upper-division BA courses.
2. BA courses are identified as follows: (i) the first digit of the course number is the recommended year to complete the course (i.e., 1 for freshman, 2 for sophomore, 3 for junior, 4 for senior); (ii) the second digit of the course number identifies the discipline/field of study (i.e., 0 is accounting, 1 is economics, 2 is finance, 3 is information technology, 4 is management, 5 is international business and tourism, 6 is marketing, 7 is not used at this time, 8 is business multi-disciplinary, 9 is special needs course); (iii) the third digit does not have any particular meaning. Example is BA-110, which is a freshman course in economics.
3. All students following catalog years 2018-19 and thereafter are required to see a SBPA advisor before enrolling in any 300- or 400-level BA course. Students must meet merit-based standards for one of the BBA pathways to enroll in BA upper-division courses.

BA-110 (3)**PRINCIPLES OF ECONOMICS F/SP**

This course introduces the principles, terminology and fundamental concepts of microeconomics and macroeconomics. It is a foundation for understanding the scope and methods of the economic perspective applied to issues faced by modern capitalist societies. Topics include the role of economics in society, the structure of economic activity, the behavior of firms and households in a market economy, the role of government and institutions of public policy in the United States. Relevant examples from Guam, Micronesia and the Pacific Rim will be explored. Prerequisites: MA-110.

BA-130 (3)**INTRODUCTION TO COMPUTERS AND APPLICATIONS F/SP/HYB**

This course introduces students to basic computing concepts and the use of computers in management settings. Prerequisite: MA-110 or MA-115 with a C grade or better.

BA-131 (3)**INTRODUCTION TO INFORMATION MANAGEMENT F/SP**

This course surveys the broad array of information management topics in business including information technology and computational tools, information sourcing, information management and data organization, information networks, ethics, legal and social implications of information systems, technical personnel and professional groups, and the changing impacts of information technology in a global environment. The course will also provide vigorous training on business productivity application software, with emphasis on applied skills on spreadsheet. Prerequisite: MA-110 or MA-115 or MA-161 a/b with a C grade or better.

BA-150 (3)**INTRODUCTION TO HOSPITALITY SP**

This course discusses the fundamentals of the hospitality industry by providing an overview of the various departments of a hotel. It also discusses the positions and career paths available to students interested in a career in the hospitality industry.

BA-180 (3)**BUSINESS ESSENTIALS F/SP/HYB**

This course is designed to increase student awareness of business programs and the business professions. It is required for all entering students intending to pursue a BBAA or BBA degree. This course is designed to help students get the most out of their academic experience by offering ongoing orientation to business studies, business professionals, professional requirements and expectations, success skills, and career planning. This course will cover the practical applications of a business degree including how to prepare a portfolio, and a professional resume. Co-requisite: EN-110 and CO-210.

BA-200 (3)**PRINCIPLES OF FINANCIAL ACCOUNTING F/SP/HYB/OLL**

The first semester covers basic accounting principles of financial accounting and techniques within a framework of sound modern theory. Prerequisite: BA-130 or BA-230 or BA-131 and MA-110 or MA-115 or MA-161a/b or MA-165 with a C grade or better. Instructor's consent required for online method of delivery.

BA-201 (3)**PRINCIPLES OF MANAGERIAL ACCOUNTING F/SP/HYB/OLL**

This course covers fundamental accounting principles for partnerships and corporations; introduction to management accounting and cost accounting practice work is included to meet current trends in technology. Prerequisite: BA-200 with a C grade or better.

BA-220 (3)**BASIC BUSINESS FINANCE F/SP/HYB**

This course covers the finance function in business; procurement and utilization of funds; costs and problems associated with acquiring funds; forecasting profits gained through their use; and the organization necessary to carry out the finance function in business. Prerequisites: BA-201 and PA-205 or MA-151 or BA-210 with a C grade or better in both courses.

BA-230 (3)**DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION F/Odd Years**

This course develops skills in the areas of spreadsheets, database management and cloud computing. Prerequisites: MA-110 or MA-115 or MA-161a/b or MA-165 with a C grade or better.

BA-240 (3)**MANAGEMENT OF ORGANIZATIONS F/SP/HYB**

This course is the study of the nature of business organizations and the functions of the manager within the organization. It also introduces theories and concepts underlying domestic and global management. Students are introduced to case analysis as a method for analyzing business and management issues. Prerequisite: BA-180 for students following catalog years 2018-19 and thereafter.

BA-241 (3)**HUMAN RESOURCE MANAGEMENT F/SP**

This course covers the principles and techniques employed in the management of international human resources. Key areas such as employee selection, training, development and performance appraisal are introduced. Approaches to gender, cultural, and ethnic diversity are stressed throughout the course. Students will develop a basic understanding of differences between HR functions in public and private sector systems. Prerequisite: Placement in EN-111 and MA-110 or higher.

BA-242 (3)
**INTRODUCTION TO ENTREPRENEURSHIP
AND INNOVATION** F/SP

Provides an overview of the principles, theories, and practice of entrepreneurship and innovation and how to take ideas and turn them into a viable business enterprise. Emphases will be placed on the student understanding of how past entrepreneurs have used innovation methods to launch entrepreneurial ventures; and the basic foundations and terminology of entrepreneurship. Prerequisite: BA-110 and BA-240 or concurrent.

BA-251 (3)
GUAM'S TOURISM PRODUCT SP /Even Years

This course is an inventory of the visitor industry on Guam that focuses on the island's attractions and its identity as a distinct tourist destination, as well as the public and private organizations that are associated with tourism and individual companies operating within the major tourism sectors. Guam's tourism policy, planning, and development are also examined from the perspective of its various stakeholders.

BA-252 (3)
INTERNATIONAL TOURISM F/SP

This course examines the dynamics of international tourism from various management perspectives. Special emphasis is placed on the market characteristics and distribution channels of inbound-outbound tourism affecting the Pacific Rim. Prerequisite: BA-240.

BA-260 (3)
FUNDAMENTALS OF MARKETING F/SP

This course covers the principles, practices, and concepts involved in the performance of business activities, which direct the transfer of goods and the acquisition of services from producer to consumer or user. Included are the study of marketing functions and institutions; activities having to do with effecting change in ownership and possession of goods and services; and the study of applied economics relating to the creation of time, place and possession utility.

BA-300 (3)
INTERMEDIATE ACCOUNTING I F/SP

Intermediate accounting provides technical knowledge in regard to the application of conceptual accounting knowledge to specific practice circumstances and the understanding of a wide scope and range of accounting topics. Prerequisite: BA-201 with a C grade or better, Instructor's consent, and pass the Accounting Major Competency Exam.

BA-301 (3)
INTERMEDIATE ACCOUNTING II F/SP

Provides technical knowledge in regard to the application of conceptual accounting knowledge to specific practice circumstances and the understanding of a wide scope and range of accounting topics. Prerequisite: BA-300 with a C grade or better.

BA-303 (3)
**GOVERNMENTAL ACCOUNTING FOR
NON-ACCOUNTING MAJORS** F/SP/HYB

This course is an introduction to the theory and procedure of general accounting practices of the non-profit segment of the economy. The semester covers the application of accounting information in planning and control for non-profit organizations.

BA-304 (3)
INCOME TAXATION F/SP

This course covers federal income taxation that pertains to individuals, corporations, partnerships, and estates and trusts. Particular emphasis is given to areas of gross income, deductions and credits. Prerequisites: BA-300 with a C grade or better.

BA-305 (3)
COST AND MANAGERIAL ACCOUNTING F/SP

This is a study of the fundamental managerial and cost accounting concepts and their application to the planning and control of the firm. Topics include cost accounting, budgeting, cost allocation, capital budgeting, and introduction to modern concepts like ABC, JIT and cost of quality. Prerequisite: BA-300 with a C grade or better.

BA-306 (3)
**ADVANCED COST AND MANAGERIAL ACCOUNTING
As Required**

This is a study of advanced topics in managerial and cost accounting. The course includes research on the application of managerial and cost accounting in the modern manufacturing environment. Prerequisite: BA-305 with a C grade or better.

BA-307 (3)
INTERNATIONAL ACCOUNTING F/SP

This course is designed to provide an understanding of international accounting issues to students who will be involved in international business as business and capital markets become more global. Prerequisite: BA-301 with a C grade or better.

BA-310 (3)
APPLIED STATISTICS FOR BUSINESS DECISION F/SP

This course provides advanced concepts in the modern theory and methodology of statistics as applied to business and economics.

It builds upon fundamental statistics and the use of spreadsheet software, emphasizing their application to business decision-making and problem solving. The course is the second in a series of two required BBA Foundation courses, the first being PA-205 Data Statistics for Business and Government. Prerequisites: BA-240 and PA-205 with a C grade or better in both courses.

BA-311 (3)**INTERMEDIATE MACRO-ECONOMIC THEORY F**

This course offers an in-depth discussion of Keynesian-NeoKeynesian-Neoclassical models of aggregate economic activity and the use of these models to shed light on such public policy questions as unemployment, inflation, taxation, poverty, trade, growth, money and interest rates. Prerequisite: PA-205 or MA-151 or PA-205 with a C grade or better.

BA-312 (3)**INTERMEDIATE MICRO-ECONOMIC THEORY SP**

This course offers an in-depth discussion of models relating to consumer behavior, market demand and price theory, the theory of the firm, and the impact of different market structures for outputs and inputs. Time permitting, the subjects of choice under uncertainty, welfare economics and general equilibrium theory are covered. Prerequisite: PA-205 or MA-151 or BA-210 with a C grade or better.

BA-321 (3)**MONEY AND BANKING F/HYB**

This is the study of money, credit, and money markets; the structure and origins of the commercial banking and Federal Reserve Systems; and the application of monetary and fiscal policy within the American economy. Prerequisite: BA-110 with a C grade or better.

BA-322 (3)**PERSONAL FINANCIAL PLANNING F/SP**

This course is a software and web-based program that offers students the opportunity to develop a financial career plan for their personal and professional use. Elements of financial planning are presented and include: career aspects of financial planning; financial goals and objectives; personal financial statements and budget; cash and credit management; personal tax planning; housing, insurance and investment decisions; and retirement.

BA-323 (3)**CORPORATE FINANCE F**

This is an advanced course in the study of the elements of financial management in a business organization. Topics include financial forecasting, break-even analysis, capital budgeting, investment banking, capital financing and international finance. Prerequisite: BA-220 with a C grade or better.

BA-330 (3)**INFORMATION TECHNOLOGY AND NETWORKS FOR BUSINESS F/SP/HYB**

This course provides foundation concepts of information technology and data networks as a basic business infrastructure. It addresses the emerging roles of technology and communication networks in business operations. The course surveys popular and anticipated technology adopted by businesses, examines strengths and weaknesses of these technologies, and evaluates the cost and productivity implications of the deployment of technology. The course also addresses managerial and organizational issues

surrounding the selection and implementation of technology, including the broad spectrum of telecommunication services.

BA-333 (3)**MANAGEMENT INFORMATION SYSTEMS F/SP/HYB**

This is a survey of information system topics from the managerial viewpoint. Major topics are an overview of MIS, systems analysis and design, database management, data communication, decision support systems and expert systems. Prerequisites: BA-131, BA-240 and BA-335 with a C grade.

BA-334 (3)**BUSINESS ANALYTICS SP/Even Years**

This course covers the fundamental concepts and tools needed to understand the emerging role of business analytics in organizations. It discusses the application of basic business analytics tools in a spreadsheet environment, and how to effectively use and interpret analytic models and results for making better business decisions. Prerequisites: BA-131 or BA-230, and any one of the following: PA-205 BA-210 or MA-151. For BBA Major, prerequisites: BA-131 and either one of the following PA-205, BA-210 or MA-151.

BA-335 (3)**CYBERSECURITY AND CLOUD SERVICE F/SP**

This course surveys the importance of cybersecurity and cloud service in the business world. The first part of the course covers the introductory concepts of cybersecurity. It helps learners to gain the understanding of the principles that frame and define cybersecurity, and how to implement cybersecurity practices in the corporate environment. The second part of the course surveys the current trend of the cloud service. A student may receive credit for either BA-330 or BA-335, but not a combination of the two. Prerequisite: BA-131.

BA-341 (3)**INTERNATIONAL BUSINESS ENVIRONMENT SP**

This course consists of readings and analysis of social, economic, political, legal, and technological forces with which business organizations must contend. The course focuses on East Asia.

BA-342 (3)**ENTREPRENEURSHIP: ISSUES AND SOLUTIONS IN BUSINESS START-UPS SP**

Provides an overview of why small businesses fail and how to reduce this risk. Major functional areas of business will be covered through the use of case studies including the areas of: finance, human resources, operations management, distribution channels, marketing, IT, and laws and government regulations. Prerequisite: BA-240 and BA-242 with a C grade or better in both courses.

BA-345 (3)**MANAGING THE EMPLOYEE & WORK ENVIRONMENT F/SP**

This business and public administration management course examines employee management issues, practic-

es and environmental forces that all managers, especially human resource (HR) managers, need in the workplace when managing diverse workforces. Focus will be on work environment practices, issues and applications including required record keeping and compliance activities. This course will help prepare students for eventual professional human resource management certification in these areas. Prerequisite: BA-241 with a C grade or better or Instructor's consent.

BA/ PA-347 (3)
LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY F/SP

The course integrates personal leadership with collaboration and networking for organizational performance and societal gain. The course strengthens practical leadership and collaborative skills. Prerequisite: BA-240 (for BBA Majors) or PA-210 (for PA Majors).

BA-350 (3)
HOTEL MANAGEMENT SP

This course examines the organization and characteristics of hotels and how they are effectively managed by applying the four management functions of planning, organizing, directing, and controlling. Case studies of successful general managers are examined from the perspective of their duties, responsibilities, challenges, rewards, and lifestyles. Prerequisite: BA-240 with a C grade or better.

BA-352 (3)
FOOD AND BEVERAGE MANAGEMENT SP/OddYears

This course examines the principles of food and beverage management as a profit center in hotels. Components include the management of food production, restaurants and bars, banquets and catering, and room service. Prerequisite: BA-240.

BA-361 (3)
CONSUMER BEHAVIOR F/Odd years

This is an interdisciplinary approach to the study of consumers and decision-making units for the purpose of systematically defining and selecting the organization's target market(s). The emphasis is on understanding behavioral science concepts, theories, and research findings with managerial applications. Prerequisite: BA-260 with a C grade or better.

BA-363 (3)
ADVERTISING AND SALES PROMOTION SP

This course covers basic concepts and functions of advertising and sales promotion; personal selling; point-of-sale promotion; consumer motivation; problems in utilizing and measuring effectiveness of advertising and sales promotion techniques. Prerequisite: BA-260 with a C grade or better.

BA-380 (3)
E-BUSINESS SP

This course examines the use of the internet and electronic technology in business operations. The focus is on the

emerging paradigm shift in business that has been affected by e-business models and their implications for conducting business, including the marketing of products and services via the Internet. Prerequisites: BA-260 and BA-330. *BA-330 may be a prerequisite or corequisite.

BA-386 (3)
LOGISTICS AND SUPPLY CHAIN MANAGEMENT F/SP

This course examines the flow of products and information through a business with the objective of achieving sustainable competitive advantage and optimizing firm value. Students learn how to control, manage and improve the systems, processes and flow of materials and information from suppliers to customers. Prerequisite: BA-240 and BA-260.

BA-400 (3)
ADVANCED ACCOUNTING F/SP

This course covers accounting principles and procedures peculiar to specialized areas such as partnerships, combinations, consolidations, foreign transactions and operations, and securities exchange commission reporting. Prerequisites: BA-301 with a C grade or better.

BA-401 (3)
GOVERNMENT ACCOUNTING F/SP/HYB

This course covers state and local accounting, non-profit accounting, accounting for grant monies, and federal accounting. Government accounting is different from commercial accounting, as this course will provide the student with a working knowledge of all echelons of governmental accounting within the United States. Prerequisite: BA-301 with a C grade or better.

BA-402 (3)
ACCOUNTING SYSTEMS F/SP/HYB

This course offers an analysis of theoretical models illustrating structure design and installation of specific accounting systems with emphasis on computer applications. Prerequisites: BA-301, BA-305 and BA-330 or BA-334 with a C grade or better in all 3 courses.

BA-403 (3)
AUDITING I F/SP

This is an introduction to auditing theory and the techniques used in examination and verification of financial statements. Prerequisite: BA-402 with a C grade or better.

BA-404 (3)
ADVANCED INCOME TAXATION As Required

This course covers advance Federal Income Taxation with emphasis on research in the application of tax rules and regulations that pertain individuals, corporations, partnership, and estate and trusts. Prerequisites: BA-304 with a C grade or better.

BA-405 (3)
ACCOUNTING INTERNSHIP F/SP

The course prepares students for entering the accounting world by providing them with practical experience with an

accounting firm or department. The course is designed for upper division students, preferably seniors, who have demonstrated proficiency in the foundation coursework required of all accounting majors. Prerequisite: Instructor's consent.

BA-406 (3)
ETHICS FOR THE ACCOUNTANT F/SP/OLL

This course is designed to provide accounting professionals and intensive treatment of post-Sarbanes-Oxley ethics (also post Enron-WorldCom era). Prerequisite: Instructor's consent.

BA-408 (3)
AUDITING II As Required

This course is designed to provide accounting majors a hands-on experience in the use of techniques for the planning and conduct of audits of financial statements. Prerequisite: BA-403 with a C grade or better and Instructor's consent.

BA-409 (3)
SPECIAL STUDIES IN ACCOUNTING As Required

This course provides students with the opportunity to study, in depth, a particular area in Accounting and Auditing. Prerequisites: BA-301, BA-305, BA-307 and BA-403 with a C grade or better in all 4 courses.

BA-410 (3)
MANAGERIAL ECONOMICS F/SP

This course covers phases of business economics most useful to managers of organizations: defining goals, measuring and forecasting demand, costs, and competition. Prerequisite: BA-310 with a C grade or better.

BA-420 (3)
INTERNATIONAL CORPORATE FINANCE SP /HYB

This course examines the problems, techniques, and policies of financial decision-making in an enterprise operating in the international business environment. Class discussion includes the nature and purpose of international business, balance of payments, foreign exchange risk, currency markets, and managing three types of international monetary risk, direct investment decisions and the international debt crisis. Prerequisite: BA-220 with a C grade or better.

BA-421 (3)
INVESTMENTS AND REAL ESTATE SP/HYB

This is an introductory course in the techniques of investing in the capital markets. A variety of investment vehicles are introduced, including: stocks, bonds, convertibles, warrants, stock options, mutual funds, precious metals, and real estate. Prerequisite: BA-220 with a C grade or better.

BA-431 (3)
TOPICS IN THE MANAGEMENT OF TECHNOLOGY AND INNOVATION SP/HYB

This course provides concepts, tools and processes for enabling managers and firms to use technology and innovation for strategic competitive advantage. Students learn about current topics in technology and innovation. The course is only available to seniors in the BBA Business Professional and Business Honors pathways. Prerequisite:

BA-335, BA-386, and BA-333 or BA-334 or BA-380; Senior standing and Instructor's consent.

BA-440 (3)
ORGANIZATIONAL BEHAVIOR F/SP

This course examines psychological aspects of management; analysis of behavior patterns in organizational relationships; integration of individuals and groups into effective, efficient- organizational structures. Prerequisites: BA-240 and SO-101 or PY-101.

BA-441 (3)
OPERATIONS AND PROJECT MANAGEMENT SP

This is a survey course. The objective of the course is to provide the student with an understanding of those managerial concepts and quantitative tools required in the design, operations, and control of an operation system in any type of an organization. Special emphasis is placed on process management and continuous improvement. Prerequisite: PA-205 or MA-151 with a C grade or better.

BA-443 (3)
COMPENSATION, BENEFITS AND PERFORMANCE EVALUATION F/SP

This business and public administration management course provides students with theoretical and practical knowledge of the design and implementation of effective compensation, benefits and performance evaluation programs. This course will help prepare students for eventual professional human resource management certification in these areas. Prerequisite: BA-241 with a C grade or better or consent of instructor.

BA-444 (3)
STAFFING AND EMPLOYEE DEVELOPMENT F/SP

This business and public administration management course provides students with theoretical and practical knowledge about recruitment, selections, staffing and employee development. This course will help prepare students for eventual professional human resource management certification in these areas. Prerequisite: BA-241 with a C grade or better or Instructor's consent.

BA/PE-446 (3)
ENTREPRENEURSHIP: NEW VENTURE CREATION SP

This course provides an opportunity to develop a business plan through the application of the principles, theories and practices learned in the previous entrepreneurship courses. Emphasis will be placed on the practicability of the plan and the ability to present the concept as a viable and profitable business venture. Prerequisites: BA-242 and BA-342 with a C grade or better.

BA-450 (3)
TOURISM RESEARCH AND MARKET DEVELOPMENT SP/Odd Years

This course examines the innovative and dynamic environment of international tourism marketing. It discusses the nuances of tourism products and services that require

the development of distinctive marketing approaches and strategies. It reviews the various techniques utilized to conduct tourism research and the analysis and application of their findings in order to formulate effective marketing plans and remain competitive in the international market place. The Internet will be utilized as a database for market research and as tool for market penetration. Prerequisites: BA-260 with a C grade or better.

BA-451 (3)
TOURISM/HOTEL INTERNSHIP F/SP

This is a trainee, residency, or intern program in which the student works in a technical or professional area under the supervision of an expert in the field. Prerequisite: Instructor's consent.

BA-453 (3)
TOURISM POLICY, PLANNING AND DEVELOPMENT F

This course examines the numerous issues that a community must consider in establishing and guiding a successful tourism industry. Among the topics are selecting the type of tourism that is most appropriate for a community, the identification and utilization of necessary resources, and the regulation of tourism. Prerequisite: BA-240 with a C grade or better.

BA-460 (3)
INTERNATIONAL MARKETING F

The course covers the principles, practices, and concepts of marketing involved in exporting and importing. Included are studies of tariffs, embargoes, cartels, exchange rates, foreign markets, foreign investments, the role of foreign aid, and related legislation. Prerequisite: BA-260 with a C grade or better.

BA-461 (3)
MARKETING CHANNEL MANAGEMENT
F/Even years

This course addresses the principles, functions and analysis of problems in retailing; location and layout; and merchandise planning, buying and selling, organization, expense analysis and control. Prerequisite: BA-260 with a C grade or better.

BA-462 (3)
MARKETING RESEARCH F

This course covers the principles, procedures, and concepts involved in gathering, recording, and analyzing facts about problems relating to the sale and transfer of goods and services from producer to consumer. Included are studies of relation- preparation of commodities for sale, physical distribution, wholesale and retail merchandising, and financial problems. Prerequisites: BA-260 and BA-310.

BA-463 (3)
MARKETING MANAGEMENT SP

This course builds on the concepts and theories covered in the introductory, Marketing subjects, as well as those learned in subsequent Marketing course work. As a

capstone marketing major course, this course focuses on strategic marketing analysis and planning at both the corporate and SBU levels. Prerequisites: BA-260 and BA-462 with a C grade or better – Graduating Senior.

BA-480 (3)
BUSINESS STRATEGY AND POLICY F/SP/HYB

This course is the capstone of the Bachelor of Business Administration (BBA) degree program, integration concepts and skills learned in the BBA Foundation and BBA pathways. Strategic business problems are examined from executive management and firm perspectives. Prerequisite: BA-483, Graduating Senior and Instructor's consent.

BA-481 (3)
PRACTICAL APPLICATION IN
SMALL BUSINESS MANAGEMENT F/SP

This course provides instruction and experience in small business. It addresses both Entrepreneurship and the management of small business operations. The course also has a practical orientation. Students intern for 80 hours with the Guam Small Business Development Center (SBDC), assisting small businesses as defined by the U.S. Small Business Administration. Prerequisites: BA-260 and Senior standing.

BA-482 (3)
BUSINESS SERVICE LEARNING F/SP

This is an experiential learning course in which the student works individually or as part of a team in a technical or professional area under the direct supervision of an individual with experience in a major area of business. Depending on their BBA pathway, students select one of the following: (i) BA482a Business Service Learning: Senior Team Field Project, which is available to students in the General Business pathway; (ii) BA482b Business Service Learning: Business/Research Internship, which is available to students in the Business Professional pathway and the Business Honors pathway; and (iii) BA482c Business Service Learning: Business Formation/ Innovation/ Transformation, which is available to students in the Business Honors pathway. Prerequisites: To register and participate, students must have completed all BBA Foundation requirements. Students are expected to have completed the preponderance of their business coursework with the exception of BA480 Business Policy and Strategy. Senior standing and Instructor's consent are required.

BA-483 (2)
BUSINESS PROFESSIONAL AND
CAREER DEVELOPMENT F/SP/HYB

This hybrid, two-credit course provides additional professional development in business fundamentals as well as tools for career development. The course offers online course evaluation and academic leveling modules that refresh, bolster and evaluate student learning in the fundamental business skills of accounting, business statistics, finance, human resources, marketing and operations management. The course provides a variety of practical and

challenging career exercises that explore career choice and prepare students for managing their careers. Prerequisites: BA-220, BA-260, BA-310 and BA-241 or BA-440; Senior.

BA-491 (3)

SEMINAR IN MARKETING F/SP (as required)

The Seminar provides the opportunity for study and discussion of significant topics and problems in the field of marketing. Prerequisites: BA-260 and PA-205 or MA-151.

BIOLOGY (BI)

BI-100 (3)

ENVIRONMENTAL BIOLOGY F/SP

This is a one-semester course in general principles of environmental biology, conservation of the environment, and human ecology. It does count as credit toward a major in biology and toward the general education requirements. The course consists of three hours of lecture weekly. The lab, BI-100L, MUST be taken concurrently. Corequisite: BI-100L.

BI-100L (1)

ENVIRONMENTAL BIOLOGY LABORATORY F/SP

BI-100L is the laboratory portion of BI-100 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Corequisite: BI-100.

BI-103 (3)

MARINE BIOLOGY SP

This course is an introduction to the biology of the marine environment, with particular emphasis on marine environments of Micronesia and their importance to man. Laboratory exercises and field trips bring students into personal contact with local marine organisms and their habitats. It includes three hours of lecture weekly. The lab, BI-103L, MUST be taken concurrently. Corequisite: BI-103L.

BI-103L (1)

MARINE BIOLOGY LABORATORY SP

BI-103L is the laboratory portion of BI-103 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Corequisite: BI-103.

BI-110 (3)

HUMAN BIOLOGY DE

This is an introductory course designed for non-major undergraduate students as well as for students interested in choosing Biology as their major and who may have no background in Biology. This course emphasizes core biological concepts as it relates to human life – how our bodies work, how our genes, environmental factors and disease causing organisms affect our health. This course is held online. The laboratory, BI-110L must be taken concurrently and takes place face –to–face. Prerequisites: MA-085 a-b or MA-089 or placement; EN110 Placement or above; Co requisite: BI-110L.

BI-110L (1)

HUMAN BIOLOGY LABORATORY As Resources Permit

This is an introductory biology laboratory course with a human focus that must be taken concurrently with the BI-110 Human Biology Lecture course. Experiments involving a variety of biological systems are conducted in order to investigate fundamental biological concepts and to understand how our bodies function. Basic molecules and genes in order to improve food production, produce medically important products, and to treat disease in humans. This course includes three hours of laboratory work per week. Corequisite: BI-110; Prerequisite: MA-085 a-b or MA-089 or Placement; Placement in EN-110 or above.

BI-124 (3)

HUMAN ANATOMY AND PHYSIOLOGY I F

This is the first part of a two-semester course in the study of the structure and function of the human body. This part will examine the integumentary, skeletal, muscular, and nervous systems from the level of cells, to tissues, to organs, to the whole organism. Homeostatic control mechanisms in the healthy human for these systems will be stressed. The course includes 3 hours of lecture each week. The lab, BI 124L should be taken concurrently. Prerequisite or concurrent enrollment in both EN-110 and MA110 (or higher). Corequisite: BI-124L.

BI-124L (1)

HUMAN ANATOMY AND PHYSIOLOGY I LABORATORY F

BI-124L is the laboratory portion of BI-124 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite or concurrent enrollment in both EN-110 and MA-110 (or higher). Corequisite: BI-124.

BI-125 (3)

HUMAN ANATOMY AND PHYSIOLOGY II SP

This is the second part of a two-semester course in the study of the structure and functions of the systems of the human body. In this part, aspects of the nervous, circulatory, immune, digestive, reproductive, and excretory systems are investigated. The course consists of three hours of lecture weekly. The lab, BI-125L, MUST be taken concurrently. Prerequisite: BI-124, BI-124L and prerequisite or concurrent enrollment in both EN-110 and MA-110 (or higher). Corequisite: BI-125L.

BI-125L (1)

HUMAN ANATOMY AND PHYSIOLOGY II LABORATORY SP

BI-125L is the laboratory portion of BI-125 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: BI-124, BI-124L and Prerequisite or concurrent enrollment in both EN-110 and MA110 (or higher). Corequisite: BI-125.

BI-157 (3)
PRINCIPLES OF BIOLOGY I **SP**
The first semester of a two-semester course covers basics of evolutionary theory and Sub-cellular through cellular biology. It is required for all biology majors and may be used by others to satisfy the general education requirements. It includes three hours of lecture weekly. The lab, BI157L, MUST be taken concurrently. Prerequisite: C grade or better in both BI-100 and BI-100L or concurrent enrollment in both EN-110 and MA-110 (or higher). Students majoring in other programs or minoring in Biology may substitute another introductory science class for BI-100 and BI-100L or request a waiver of the prerequisite. Corequisite: BI-157L.

BI-157L(1)
PRINCIPLES OF BIOLOGY I LABORATORY **SP**
BI-157L is the laboratory portion of BI-157 and MUST be taken concurrently. A major portion of this course focuses on original student research that emphasizes scientific experimentation, data analysis, and report writing. The course consists of one three-hour laboratory period per week. Students majoring in other programs or minoring in Biology may substitute another introductory science class for BI-100, BI-100L or request a waiver of the prerequisite. Prerequisite: C or better grade in both BI-100 and BI-100L or concurrent enrollment in both EN110 and MA-110 (or higher). Corequisite: BI-157.

BI-158 (3)
PRINCIPLES OF BIOLOGY II **F**
The second semester of a two-semester course covers the fundamental of organismal through super-organismal biology. It is required of all biology majors and may be used by others to satisfy the general education requirements. It includes three hours of lecture weekly. The lab, BI-158L, MUST be taken concurrently. Prerequisites: C or better grade in both BI-157 and BI-157L or concurrent enrollment in both EN-110 and MA-110 (or higher). Corequisite: BI-158L.

BI-158L(1)
PRINCIPLES OF BIOLOGY II LABORATORY **F**
BI-158L is the laboratory portion of BI-158 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: C or better grade in both BI-157 and BI-157L or concurrent enrollment in both EN-110 and MA-110 (or higher). Corequisite: BI-158.

BI-201 (3)
NATURAL HISTORY OF GUAM **As Resource Permit**
This course is a natural history of Guam that includes the development of the Mariana Islands arc, geologic history, physical geography, and a survey of the major groups of plants and animals. The course is presented by using a variety of methods including lectures, slide presentations, field specimen studies and field trips.

BI-225 (3)
BASIC MICROBIOLOGY **F**
This course is a survey of the characteristics and significance of microorganisms from environmental, industrial, and medical perspectives. It includes two 2-hour laboratories and 3 hours of lecture weekly. Prerequisites: CH-100, CH-I00L, CH-101, CH-101L (note: For Biology Majors: CH-102, CH-102L and CH-103, CH-103L) AND Grades of C or better in BI-157, BI-157L and BI-158, BI-158L or BI-124, BI-124L and BI-125, BI-125L. Corequisite: BI-225L.

BI-225L(1)
BASIC MICROBIOLOGY LABORATORY **F**
BI-225L is the laboratory portion of BI-225 and MUST be taken concurrently. The course consists of two 2-hour laboratories and 3 hours of lecture weekly. Prerequisites: CH-100, CH-I00L, CH-101, CH-101L (note: For Biology Majors: CH-102, CH-102L and CH-103, CH-103L) AND Grades of C or better in BI-157, BI-157L and BI-158, BI-158L or BI-124, BI-124L and BI-125, BI-125L. Corequisite: BI-225.

BI-302 (3)
PLANT BIOLOGY **F/Even Years**
This course builds on the basic knowledge of plant biology. Students learn the structure and function of various plant groups on a comparative basis, following the timeline of plant evolution. This course is essential for students who are interested in advanced topics in plant science or graduate study using plants as model organisms. Prerequisites: BI-157, BI-157L, BI-158 and BI-158L. Corequisite: BI302L.

BI-302L(1)
PLANT BIOLOGY LABORATORY **F/Even Years**
BI-302L is the laboratory component of BI 302 and MUST be taken concurrently. The laboratory explores plant forms and levels of organizations with an emphasis on viewing and documenting anatomical features under a microscope. Prerequisites: BI-157 & BI-157L, BI-158 & BI-158L. Corequisite: BI302.

BI-303 (3)
INVERTEBRATE ZOOLOGY **SP/Odd Years**
This course examines the diversity of what are commonly called "animals" from an evolutionary perspective. Initially, the focus will be on how animals are described and classified. Then, diversity of animals will be explored through focus on particular phyla--examining the functional anatomy organ systems, evolutionary relationships, diversity, developmental patterns, and how they live their lives. The last portion of the course will examine first chordates. The course includes 3 hours of lecture each week. The lab (BI-303L) must be taken concurrently. Prerequisite: BI-157, BI-157L and BI-158, BI-158L. Corequisite: BI-303L.

BI-303L(1)
INVERTEBRATE ZOOLOGY LAB **SP/Odd Years**
BI-303L is the laboratory portion of BI-303 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: BI-157, BI-157L and BI-158, BI-158L. Corequisite: BI-303.

**BI-310 (3)
EVOLUTION**

SP

This course is an introduction to the modern theory of evolution. The focus of the course is on the mechanisms that cause the evolution of adaptations and new species. The pattern of evolution in the fossil record is analyzed to understand the causes of speciation and extinction patterns. The ability of evolutionary theory to inform studies in other areas of biology (such as genetics, morphology, and ecology) is stressed. The course consists of three hours of lecture weekly. Prerequisite: Grades of C or better in BI-157, BI-157L, BI-158, BI-158L and BI-315, BI-315L.

**BI-315 (3)
GENERAL GENETICS**

F

Basic principles of heredity, including biochemical genetics and population aspects, are covered. The course includes three hours of lecture weekly. The lab, BI-315L, MUST be taken concurrently. Prerequisites: Grade of C or better in BI-157, BI-157L and (or concurrent enrollment in) BI-158, BI-158L. Corequisite: BI-315L.

**BI-315L (1)
GENERAL GENETICS LABORATORY**

F

BI-315L is the laboratory portion of BI-315 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: Grade of C or better in BI-157, BI-157L and (or concurrent enrollment in) BI-158, BI-158L. Corequisite: BI-315.

**BI-320 (2)
SCIENTIFIC REPORT WRITING**

SP

Effective use of scientific data, literature and presentation software to write, illustrate and orally present a structurally correct and cohesive report using scientific format and the appropriate discourse genres for each section. Prerequisites: BI-321 and EN-111.

**BI-321 (2)
SCIENTIFIC ARGUMENTS**

F

Writing and analyzing scientific arguments for effectively presenting scientific work, career aspirations and for getting accepted to graduate school. Prerequisites: BI-310.

**BI-333 (3)
COMPARATIVE VERTEBRATE ANATOMY**

F/Odd Years

This course is a study of the basic morphology of vertebrates, with lecture emphasis on the evolution of vertebrate systems and laboratory emphasis on dissection of these systems in selected vertebrates. It includes three hours of lecture weekly. The lab, BI-333L, MUST be taken concurrently. Prerequisite: BI-157, BI-157L, BI-158-158L and BI-310. Corequisite: BI-333L.

**BI-333L (1)
COMPARATIVE VERTEBRATE ANATOMY LABORATORY**

F/Odd Years

BI-333L is the laboratory portion of BI-333 and MUST be taken concurrently. The course consists of one three-hour

laboratory period per week. Prerequisite: BI-157, BI-157L, BI-158, BI-158L and BI-310. Corequisite: BI-333.

**BI/AL-345 (3)
GENERAL ENTOMOLOGY**

F/Odd Years

This course is an overview of insect biology with emphasis on fundamental problems encountered by insects, and the structural and functional adaptations used to overcome these problems. The laboratory focuses on insect identification. The course meets for three hours of lecture weekly. Concurrent enrollment in AL/BI-345L is required. Prerequisites: BI-157/L or AL-109/L or AL-281/L.

**BI/AL-345L (1)
GENERAL ENTOMOLOGY LABORATORY**

F/Odd Years

This course is a corequisite of AL/BI-345 and must be taken concurrently. The laboratory focuses on insect identification. An insect collection is required. The course meets for three hours of laboratory weekly. Prerequisites: BI-157/L or AL-109/L or AL-281/L.

**BI-350 (3)
ETHOLOGY**

SP

This course is an introductory survey of the field of Ethology. Ethology is the study of animal behavior, particularly under natural conditions. It encompasses proximate (genetic, neurophysiological) and ultimate (evolutionary) causes of animal behavior and employs both field and laboratory research approaches. The course will show the influence of genetics, physiology, ecology, and the natural selection, and evolution on the expression of behavioral traits. This course consists of three hours of lecture per week. The lab, BI-350L, MUST be taken concurrently. Prerequisites: BI-157, BI-157L, BI-158, BI-158L, BI-310 (or concurrent enrollment) and Instructor's consent. Corequisite: BI-350L.

**BI-350L (1)
ETHOLOGY LABORATORY**

SP

BI-350L is the laboratory portion of BI-350 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: BI-157, BI-157L, BI-158, BI-158L, BI-310 (or concurrent enrollment) and Instructor's consent. Corequisite: BI-350.

**BI-365 (3)
PLANT SYSTEMATICS**

SP/Even Years

This course covers the concepts and practices of modern plant systematics, emphasizing on Guam vascular plants identification, computational algorithms in bioinformatics and molecular phylogeny reconstruction, and species concept differentiation. The lab, MUST be taken concurrently. This course is particularly useful for students interested in evolutionary biology, conservation biology, ecological and environmental consultancy, or natural resource management. Prerequisites: BI-310. Corequisite: BI-365L.

**BI-365L (1)
PLANT SYSTEMATICS LABORATORY**

SP/Even Years

BI-365L is the laboratory portion of BI-365 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: BI-310. Corequisite: BI-365.

BI-380 (3)
OCEANOGRAPHY **FA**

This course is an introductory survey of the biological, physical, chemical, geological, and meteorological aspects of the oceans and their basins including a history of oceanographic studies and techniques. The course consists of three hours of lecture weekly. The lab, BI-380L, MUST be taken concurrently. Prerequisite: BI100, BI-100L, BI-157, BI-157L, BI-158 and BI-158L or equivalent and MA-161a or higher. Corequisite: BI-380L.

BI-380L (1)
OCEANOGRAPHY LABORATORY **FA**

BI-380L is the laboratory portion of BI-380 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: BI-100, BI-100L, BI-157, BI-157L, BI-158 and BI-158L or equivalent and MA-161a or higher. Corequisite: BI-380.

BI-392 (1-3)
LABORATORY TEACHING AND ASSISTING **F/SP**

This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisites: Completion of the course in which the laboratory is offered, or of an equivalent course, and consent of instructor.

BI-410 (3)
ECOLOGY **SP**

A study of fundamental concepts and methods of ecology illustrated by the examination of local natural systems; vegetational, faunal, and physical factors of the environment are considered. The course includes three hours of lecture weekly and six hours of laboratory weekly. Prerequisites: BI-412 & BI-412L, BI-321, and any ONE of the following lecture & lab pairs: BI-225 & BI-225L or BI-302 & BI-302L or BI 303 & BI-303L or BI-333 & BI-333L or BI-365 & BI-365L.

BI-410L (2)
ECOLOGY LABORATORY **SP**

BI-410L is the laboratory component of BI-410 and MUST be taken concurrently. This course consist of a weekly six-hour laboratory emphasizing field and laboratory methods in ecology and analyst of ecology data. Prerequisites: BI-320 and BI-412 and BI-412L. Corequisite: BI-410.

BI-412 (3)
BIOMETRICS **F**

This is a basic course in the design and analysis of biological experiments. Emphasis is given to analysis of biological and medical data. The course consists of three hours of lecture weekly. The lab, BI-412L MUST be taken concurrently. Prerequisite: MA-115 and BI-321. Corequisite: BI-412L.

BI-412L (1)
BIOMETRICS LABORATORY **F**

BI-412L is the laboratory portion of BI-412 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: MA-115 and BI-321. Corequisite: BI-412.

BI-416 (3)
CELLULAR & MOLECULAR BIOLOGY **SP**

This course focuses on the advanced molecular cell biology approaches including recombinant DNA technology, advanced microscopy, protein interaction technologies, and model in vivo & in vitro experimental systems that have led to an unprecedented level of understanding of the structure and function of the cell, the fundamental unit of life. Student will learn to find rational explanations and unifying concepts from a large and rapidly evolving body of knowledge, in order to understand the mechanism by which the cell functions as well as the molecular basis of disease. Principle topics include cellular macromolecules & regulatory factors, membrane structure & membrane transport, cell nucleus & gene expression, cell signaling, the immune system, and cancer biology. This course prepares students for careers in bio-medical research, medicine, biotechnology & agriculture related industry. The lab, BI-416L MUST be taken concurrently. Prerequisites: CH-102, CH-102L, CH-103, CH-103L, BI-315 & BI-315L. Corequisite: BI-416L.

BI-416L (1)
CELLULAR & MOLECULAR BIOLOGY LABORATORY **SP**

BI-416L is the laboratory portion of BI-416 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites CH-102, CH-102L & CH-103, CH-103L, BI-315 & BI-315L. Corequisite: BI-416.

BI/CH-419 (3)
BIOCHEMISTRY **SP**

This course covers the principles of protein chemistry and enzyme nomenclature, catalysis, kinetics, and control. It includes three hours of lecture weekly. The lab, BI/CH-419L, MUST be taken concurrently. Prerequisite: CH-310a, CH-311, CH-310b and CH-312 or concurrent enrollment. Corequisite: BI/CH-419L.

BI/CH-419L (1)
BIOCHEMISTRY LABORATORY **SP**

BI/CH419L is the laboratory portion of BI/CH-419 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: CH-310a, CH-311, CH-310b and CH-312 or concurrent enrollment. Corequisite: BI/CH-419.

BI-425/G (3)
MOLECULAR MEDICINE

SP/Odd Years, As Resources Permit

This course is designed for students who are planning on entering graduate and professional programs in the biological and medical sciences or careers in the biotech-

nology industry. This course highlights current concepts and trends in molecular biology as well as the latest developments in novel molecular approaches for detection and treatment of diseases. Selected topics in Immunology, Cardiovascular Biology, Tumor Viruses and Cancer Biology, Viral Pathogenesis, and Neurobiology are the focus of this course. Prerequisite: BI-416 & BI-416L, or equivalent. Corequisite: BI-425/G/L.

BI-425/L (2)

MOLECULAR MEDICINE LABORATORY

SP/Odd Years, As Resources Permit

BI 425L is the molecular biology laboratory course that is taken concurrently with BI-425. In this course, expression and control of eukaryotic genes is investigated in a research project format. Laboratory work involves the use of RNA & DNA techniques, protein methods, reporter gene assays, fluorescence microscopy, and the use of molecular biological computer databases to predict structure and function from nucleic acid & protein sequences. Prerequisites: BI-416 & BI-416L, or equivalent. Corequisite: BI-425.

BI/AL-430 (3)

SCIENTIFIC PHOTOGRAPHY

SP/Even Years

Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. This course includes two hours of lecture and three hours of laboratory; weekly. Laboratories will either be field activities or hands-on experience in the classroom. AL/BI-430L is the laboratory portion of AL/BI-430 and MUST be taken concurrently. Corequisite: AL/BI-430L.

BI/AL-430L (1)

SCIENTIFIC PHOTOGRAPHY LABORATORY

SP/Even Years

Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. BI/AL-430L is the laboratory portion of BI/AL-430 and MUST be taken concurrently. The course consists of two hours of lecture and three hours laboratory period per week. Corequisite: BI/AL-430.

BI432 (3)

PHARMACOLOGY

F/Odd Years/HYB

This upper division course will provide a foundation of pharmacology that builds upon basic physiological prin-

ciples. Pharmacology will introduce Phase I and Phase II metabolism, major drug classes, and mechanism of action for pharmacologic agents. The course is well suited for biomedical track students and those interested in pursuing graduate or pharmacy school. This is a hybrid course and some lectures will take place online, while others will be in class. Prerequisites: BI158, CH103, BI321. Recommended: BI124, BI12L and BI125, BI125L.

BI-474 (4)

MARINE BOTANY

SP/Odd Years

This course provides students an in-depth exploration of the marine plants in the region with an emphasis on how the physiology and ecology of seaweeds and microalgae relate to environmental conditions in the sea. Prerequisites: BI-302.

BI475/G (3)

ADVANCED ANIMAL PHYSIOLOGY SP

Advanced Animal Physiology will acquaint students with the principles of animal form and function by examining how a diversity of animals cope with environmental challenges. Animal Physiology integrates the evolution of physiological system examined across major taxa, ranging from protists through vertebrates and across levels of biological organization from molecules to populations. Topics cover how the law of chemistry and physics govern the physiology of cell signaling, endocrine regulation, osmoregulation, gas exchange, thermoregulation, circulation, locomotion, basic and advanced neurophysiology, learning and memory and receptor physiology. These principles are examined within the context of physiological diversity among animals and their evolutionary processes. Prerequisite: BI320, BI315L, and BI321. Co requisite: BI475L

BI475L/G (1)

ADVANCED ANIMAL PHYSIOLOGY LABORATORY SP

Advanced Animal Physiology will acquaint students with the principles of animal form and function by examining how a diversity of animals cope with environmental challenges. Animal Physiology integrates the evolution of physiological system examined across major taxa, ranging from protists through vertebrates and across levels of biological organization from molecules to populations. Topics cover how the law of chemistry and physics govern the physiology of cell signaling, endocrine regulation, osmoregulation, gas exchange, thermoregulation, circulation, locomotion, basic and advanced neurophysiology, learning and memory and receptor physiology. These principles are examined within the context of physiological diversity among animals and their evolutionary processes. The lecture course, BI475, must be taken concurrently. Prerequisite: BI320, BI315L, and BI321. Co requisite: BI475

CIVIL AND ENVIRONMENTAL ENGINEERING SCIENCE (CEE)

CEE-100 (1)

ENGINEERING ORIENTATION F/SP

This course is designed to give freshmen students an insight into the nature of technology and the engineer's role in society. Members of the faculty and guest speakers present lectures dealing with the various engineering disciplines and related areas.

CEE-101 (3)

ENGINEERING GRAPHICS F/SP

Concepts and methods of communications by graphical means; freehand and instrument drawing, orthogonal projections, and descriptive geometry are covered in this course.

CEE-201 (3)

ENGINEERING STATICS F/SP

This course covers vector algebra and elementary vector calculus; statics of particles and rigid bodies; statics of structures; frictional effects; centers of gravity, centroids, and moments of inertia. Three hours of lecture and two contact hours of problem-solving workshops are held weekly. Prerequisites: PH-251, MA-203, EN-111 or concurrent enrollment for all three.

CEE-202 (3)

ENGINEERING DYNAMICS F/SP

This course covers kinematics and kinetics of translation, rotation, and plane motion; work, energy, and power; impulse, momentum, and impact; kinetics of variable mass; introduction to vibration. Prerequisites: MA-204 or concurrent enrollment and CEE-201.

CEE-203 (3)

MECHANICS OF MATERIALS SP

This course emphasizes the fundamental concepts and application of strength of materials while developing student's analytical problem solving skills. The course covers the response of structures due to axial load, bending, shear and torsion; concept of stress and strain; and beam and column deflection. Prerequisites: CEE201.

CEE-204 (3)

MECHANICS OF FLUIDS F

Physical properties of fluids, fluid statics, mass momentum and energy conversation, Bernoulli equation, dimensional analysis, friction and head loss, flow in closed conduits, forces over immersed bodies. Prerequisite: MA-204

CEE-301 (3)

STRUCTURAL ANALYSIS F

The course includes an introduction to structural systems and basic analysis methods for beams, frames, and trusses. Prerequisite: CEE203.

CEE-302 (3)

ENGINEERING HYDRAULICS F/SP

Hydraulics of closed conduits and open channel flow with the emphasis on engineering applications. Pump hydraulics, urban drainages, and flood plain management. Prerequisite: CEE-204 and concurrent enrollment in CEE-302L.

CEE-302L (1)

ENGINEERING HYDRAULICS LAB F/SP

This course involves conducting a number of lab experiments to support and verify the principles taught in Fluid Mechanics and Hydraulics courses. Prerequisite: concurrent enrollment in CEE-302.

CEE-303 (3)

GEOTECHNICAL ENGINEERING F/SP

Introduction to soil mechanics including classification and index properties of soils, soil permeability and flow in soil, stresses in soils, compressibility, consolidation, shear strength, soil improvement, substantial emphasis on writing lab reports. Lecture will be three hours per week. Prerequisite: CEE203 and concurrent enrollment in CEE-303L.

CEE-303L (1)

GEOTECHNICAL ENGINEERING LAB F/SP

An introduction to experimental determination of civil engineering properties of soil and their behavior, identification, grain size analysis, Atterberg limits, compaction, permeability, consolidation, and shear strength. Also, an introduction to sampling of soil materials. Prerequisite: CEE-203 and concurrent enrollment in CEE-303.

CEE-304 (3)

CIVIL ENGINEERING MATERIALS F

The course includes an introduction to structural systems and basic analysis methods for beams, frames and trusses. Topics covered include the analysis of statically determinate and indeterminate structures, deflections calculations, influence lines, and an introduction to the stiffness method and a software package for structural analysis. Concurrent enrollment in CEE-304L. Prerequisite: CS-203.

CEE-304L (1)

CIVIL ENGINEERING MATERIALS LABORATORY F

A study of the principal material used for engineering purposes with special attention to mechanical properties and their importance to the engineer. Hands-on experience in testing of civil engineering materials. Concurrent enrollment in CEE-304.

CEE-305 (3)

EARTH STRUCTURES DESIGN F/SP

Earth pressure theories, design of earth retaining structures, including reinforced cantilever walls, sheet pile walls, mechanically stabilized earth walls, engineered earth slopes and stability, use of geosynthetics. Lecture three hours per week. Prerequisite: CEE-303.

CEE-306 (3)
REINFORCED CONCRETE STRUCTURES DESIGN SP
The course includes an introduction to structural systems and basic analysis methods for beams, frames and trusses. Topics covered include the analysis of statically determinate and indeterminate structures, deflections calculations, influence lines, and an introduction to the stiffness method and a software package for structural analysis. Prerequisite: CEE-203.

CEE-307 (3)
INTRODUCTION TO ENVIRONMENTAL ENGINEERING SP
This course lays a foundation for further coursework in the environmental and civil-sanitary engineering disciplines. Information about the nature and scope of environmental problems will be presented along with an overview of current engineering practices involved in their correction. Methodologies for solving these problems will be introduced along with the underlying principles of environment chemistry and microbiology that they employ. Topics of study will include water and wastewater treatment, air pollution control, solid-waste management, and in situ environmental remediation. Prerequisites: CH-103 AND MA-203.

CEE-308 (2)
INTRODUCTION TO SURVEYING SP
This is an introductory course to surveying techniques and includes theory as well lab sessions. Principles of plan surveying. Measurement of horizontal distance, difference in elevation, and angles. Traverse surveys and computations. Horizontal and vertical curves. Principles of stadia. Topographic surveys. Cross-sectioning & Earthwork. Prerequisites: PH-251, MA-203 and EN-111.

CEE-401 (3)
STEEL STRUCTURES DESIGN F
Introduction to the design of structural elements found in steel buildings with emphasis on the theories necessary for a thorough understanding of the design procedure. In particular steel tension member, beams, columns, beam column, and connections are considered. Emphasizes the AISC-LRFD Specifications for steel design, though reference is made to the ASD specification with comparisons made where appropriate. Prerequisites: CEE-203.

CEE-402 (3)
FOUNDATION ENGINEERING F
Effect of geotechnical conditions on the behavior, proportioning, and choice of foundation type; bearing capacity theories, consolidation, shrink-swell, and settlement, shallow and deep foundations, subsurface exploration methods, study of foundation case histories. Prerequisite: CEE-303.

CEE-403 (3)
FUNDAMENTALS OF TRANSPORTATION ENGINEERING F/SP
History of transportation modes, multi-modal transpor-

tation systems, new transport technologies, traffic operations, and control, economic evaluation of transport alternative, introduction to transportation planning, design, and operations of transportation systems with an emphasis on highway design, horizontal and vertical alignment, cross-sections, earthwork, drainage, pavement material for highways, pavement material for highways, pavement foundation design, and traffic surveys. Prerequisites: CEE-301, CEE-303, CEE-306.

CHEMISTRY (CH)

CH-100 (3)
INTRODUCTION TO INORGANIC CHEMISTRY F/SP
This is a one-semester course for students preparing for technical training in natural sciences or laboratory work. The course covers the elementary principles of inorganic chemistry emphasizing nomenclature, stoichiometry, and solution chemistry. It includes three hours of lecture weekly. The lab, CH-100L, MUST be taken concurrently. Prerequisite: Completion of MA-085 a-b or MA-089. Corequisite: CH-100L.

CH-100L (1)
INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY F/SP
CH-100L is the laboratory portion of CH-100 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: CH-100.

CH-101 (3)
INTRODUCTION TO ORGANIC CHEMISTRY F/SP
This course covers basic concepts in organic chemistry and is tailored for students preparing for technical training in the natural sciences. The course covers the chemical and physical properties of simple carbon compounds and its applications. Corequisite: CH-101L. Prerequisite: CH-100 and CH-100L, or consent of instructor.

CH-101L (1)
INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY F/SP
CH-101L is the laboratory component of CH-101 and must be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: CH-101 Prerequisite: CH-100 and CH-100L.

CH-102 (3)
GENERAL CHEMISTRY F
This course is designed for science majors and minors and emphasizes an in-depth study of modern chemical principles, theories, and laws pertaining to atomic structure, nature of the chemical bond, and stoichiometric considerations of all aspects of inorganic chemistry. It includes three hours of lecture weekly. The lab, CH-102L, MUST be taken concurrently. Prerequisite: Demonstrated proficiency at the MA-161 level or concurrent enrollment in 161a. Corequisite: CH-102L.

CH-102L (1)
GENERAL CHEMISTRY LABORATORY F
CH-102L is the laboratory portion of CH-102 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: CH-102.

CH-103(3)
GENERAL CHEMISTRY SP
This course is a continuation of CH-102-102L with further study of reactions and stoichiometric problems. The periodic table is studied with emphasis on physical and chemical group properties. Thermo chemistry, electrochemistry, nuclear chemistry and organic chemistry are introduced with respect to data gathering and simple deduction. It includes three hours of lecture weekly. The lab, CH-103L, MUST be taken concurrently. Prerequisites: CH-102-102L, and MA-161a or MA-161b or MA-165 or higher level, or placement at this level. (CH-100-100L may be substituted for CH-102-102L by program consent). Corequisite: CH-103L.

CH-103L (1)
GENERAL CHEMISTRY LABORATORY SP
CH-103L is the laboratory portion of CH-103 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: CH-103.

CH-110 (3)
CHEMISTRY AND SOCIETY F/DE
This is an introductory course that covers a broad perspective on the knowledge and insights that chemistry provide to our environment and society. The course will offer online (via Moodle platform) and will highlight topics related to basic principles of chemistry, modern applications of chemistry, and environmental issues of chemistry. It is intended for non-science major students who might not have a background in chemistry. Instructors consent.

CH-110L (1)
CHEMISTRY AND SOCIETY LABORATORY F/DE
This course introduces students to the fundamental of scientific method. Students will conduct experimentation through a virtual laboratory and produce laboratory report online. The laboratory exercises will complement the topics covered in the theory, including, gas laws, stoichiometry, acids and bases, and quantitative analysis. Other topics that demonstrate the relevance of chemistry in our everyday experience will be included as needed. All the labs will be conducted online (virtually) at www.latenitelabs.com, which is a well-established platform for conducting virtual experiments and currently used by Schools and Universities in USA. Corequisite: CH-110.

CH-310a-b (3-3)
ORGANIC CHEMISTRY a-F,b-SP
This is a full-year lecture sequence covering the general principles of organic chemistry with emphasis on structure, stereochemistry, nomenclature, basic reactions and mechanisms and the occurrence and uses of main classes of compounds. Prerequisite: CH-103-103L.

CH-311 (2)
BASIC LABORATORY TECHNIQUES
IN ORGANIC CHEMISTRY F
This course consists of laboratory work in organic chemistry with emphasis on the development of manipulative skills in such techniques as distillations, reduced pressure fractionations, chromatography, and crystallization, and constructions of apparatus utilized in the preparations, purification, identification and study of simple organic compounds. Six hours of laboratory are held per week. Corequisite: CH-310a.

CH-312 (2)
LABORATORY TECHNIQUES
IN ORGANIC CHEMISTRY SP
This course is a continuation of CH311 with emphasis on continued development of manipulative skills as required by preparation, purification, identification and study of more complex organic compounds. It consists of six hours of laboratory work per week. Prerequisite: CH-311. Corequisite: CH-310b.

CH-330 (3)
QUANTITATIVE ANALYSIS F/Odd Years
This course is a study of select quantitative schemes as utilized in volumetric and gravimetric analyses with emphasis upon acquiring an understanding of the basic theoretical principles involved. Laboratory emphasis is on the development of useful techniques consistent with the present state of the art and reduction to laboratory practice of the theories studied. It includes three hours of lecture weekly. The lab, CH330L, MUST be taken concurrently. Prerequisite: CH-103-103L. Corequisite: CH-330L.

CH-330L (2)
QUANTITATIVE ANALYSIS LABORATORY F/Odd Years
CH330L is the laboratory portion of CH330 and MUST be taken concurrently. The course consists of six hours of laboratory work per week. Corequisite: CH-330.

CH-350 (3)
FOUNDATIONS OF PHYSICAL CHEMISTRY F
This is a one-semester lecture course covering the basic principles and general applications of physical chemistry. Laws of thermodynamics, thermochemical equilibria, ionic equilibria, phase equilibria, chemical kinetics, electrochemistry, surface chemistry, photochemistry, basic spectroscopy/ imaging and macromolecules are studied. It includes three hours lecture weekly. Prerequisites: MA-203, CH-103, CH-103L. Corequisite: CH-350L.

CH-350L (1)
FOUNDATIONS OF PHYSICAL
CHEMISTRY LABORATORY F
This course is the laboratory component of CH3 50. It covers the experimental exercise that relates to the topics dealt with in the lecture. Topics covered will include thermodynamics, kinetics, spectroscopy, equilibrium, acid-base equilibrium, and electrochemistry. Prerequisites: MA203, CH-103, CH-103/L. Corequisite: CH-350.

CH/NS-392 (1-3)**LABORATORY TEACHING AND ASSISTING F/SP**

This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisite: Completion of course in which laboratory is offered, or of an equivalent course and consent of instructor.

CH-410 (3)**INSTRUMENT METHODS OF ANALYSIS SP/Even Years**

This course is a study of potentiometric, colorimetric, spectrophotometric, polarographic, calorimetric and other instrument methods of analysis, as available. Emphasis is on practical utilization of instrumentation in the field of analytical chemistry. It includes three hours of lecture weekly. The lab, CH410L, MUST be taken concurrently. Prerequisites: CH-310a-b, 311, 312, 330, and MA-161a-b or consent of program. Corequisite: CH-410L.

CH-410L (2)**INSTRUMENT METHODS OF ANALYSIS LABORATORY****SP/Even Years**

CH410L is the laboratory portion of CH410 and MUST be taken concurrently. The course consists of six hours of laboratory work per week. Corequisite: CH-410.

CH/BI-419 (3)**BIOCHEMISTRY****SP**

This course covers the principles of protein chemistry and enzyme nomenclature, catalysis, kinetics and control. It includes three hours of lecture weekly. The lab, BI/CH419L, MUST be taken concurrently. Prerequisites: CH-310a, CH-311, CH-310b and CH-312; or concurrent enrollment. Corequisite: BI/CH-419L.

CH/BI-419L (1)**BIOCHEMISTRY LABORATORY****SP**

CH/BI-419L is the laboratory portion of CH/BI-419 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Prerequisites: CH-310a, CH-311, CH-310b and CH-312; or concurrent enrollment. Corequisite: CH/BI-419.

CH-420(3)**NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY F**

Principles and applications of NMR spectroscopy, utilizing examples from organic, inorganic, and biological chemistry are covered. The course involves three hours of classroom study per week. Prerequisites: CH-310a-b, CH-312, MA-204 and consent of instructor.

CH-430(3)**INORGANIC CHEMISTRY****SP/Even Years**

This course is a study of topics such as bonding models in inorganic chemistry, structure and reactivity of the covalent bond, experimental determination of molecular structure, chemical forces, coordination chemistry from theoretical, structural and reaction mechanistic perspectives, chemical applications of group theory and molecular symmetry. It

includes three hours of lecture per week. Prerequisites: CH-103-103L, MA-204 or consent of program.

CH-450a-b (4-4)**PHYSICAL CHEMISTRY a-F/Even Years, b-SP/Odd Years**

This is a full-year lecture sequence covering the application of physical principles to chemistry with theoretical, mathematical treatment. Laws of thermodynamics, thermochemical equilibria, ionic equilibria, phase equilibria, chemical kinetics, quantum theory, molecular structure, statistical mechanics, electrochemistry, surface chemistry and photochemistry are studied. It includes four hours lecture weekly. Prerequisites: MA-203, MA-204 and MA-205 or consent of program.

CH-451 (2)**PHYSICAL CHEMISTRY I LABORATORY SP/Odd Years**

This course covers the mathematical tools normally utilized in experimental physical chemistry and experimental contact with thermodynamics, chemical equilibrium, chemical kinetics, and phase equilibrium. It consists of six hours of laboratory weekly. Prerequisite: Consent of program.

CH-491 (1-2)**CHEMISTRY SEMINAR****F/SP**

This is a course designed to familiarize the student with research or reviews and surveys of chemical literature. Students will conduct research on selected topic using chemical literature and present the findings in a seminar presentation. Students may also choose to prepare a seminar paper in addition to the seminar presentation for 2 credits. It may be taken more than once for credit with the consent of the program. Prerequisites: Upper division status and consent of program.

CH-495/G (4)**RESEARCH METHODS IN CHEMISTRY****As Resources Permit**

This course will provide students with in depth research experience in a specific topic in chemical sciences. Students will undertake a project on the selected topic under the close guidance of a selected faculty. The research methods will involve the formulation of a hypothesis, conducting a literature survey, writing of project proposal, designing and conducting experimentation, data collection and analysis, and presentation of results. Students will be required to write a full project report and present their data at a seminar or conference at the end of the course. The experimental requirement for this research course will require advanced planning and preparation. Thus students planning to take this course are strongly advised to inform the chair of the program and the instructor at least one semester prior to taking this course. Prerequisites: CH-330/330L, CH-310A/310B, CH-311, CH-312 and consent of instructor. This course can serve as an upper division elective course for the Chemistry majors. It can also be taken to fulfill the elective requirement for graduate programs in either Environmental Science, or Biology, or Sustainable Agriculture Food and Natural Resources.

CHAMORU STUDIES (CM)

CM-101 (4) ELEMENTARY CHAMORU I F/SP/ HYB

This is a beginning course with emphasis on oral-aural competency.

CM-102 (4) ELEMENTARY CHAMORU II SP

This is a continuation of CM101. Emphasis is on improving and adding to the oral-aural competency gained in CM101. Reading in the CHamoru language is also introduced, and more complex language structures and concepts are taught. Prerequisite: CM-101; two-year high school CHamoru, or consent of instructor.

CM-110 (3) INTRODUCTION TO CHAMORU STUDIES F/SP

This course will introduce students to the interdisciplinary approach to CHamoru Studies as a community engaged academic discipline. It provides a broad survey of major issues and concerns specific to CHamoru society in both historical and contemporary contexts. The course emphasizes CHamoru perspectives, experiences, and systems of knowledge as an effective frame work for students to use in their ongoing critical engagement with local, region, and global issues. The course includes a considerable service-learning and community engagement component that compels students to connect their academic study of CHamoru Studies with the communities, organization, and efforts outside of the university campus.

CM-201 (4) INTERMEDIATE CHAMORU I F

This is an intermediate level CHamoru language course, which continues the oral-aural development of CM101 and CM102. Vocabulary development and expansion continues; however, the primary emphasis is on comprehending and utilizing more complicated language structures in the CHamoru language, as well as application and usage of the numerous affixation processes. Reading comprehension and reading skills are introduced. Prerequisite: CM-102, or consent of instructor.

CM-202 (4) INTERMEDIATE CHAMORU II SP

CM202 is the second semester, second year CHamoru course, which is a continuation of CM201 Intermediate CHamoru I. Vocabulary development and expansion continues in four designated specialized areas; however, the primary emphasis is on comprehending and utilizing more advanced language structures. Prerequisite: CM-201.

CM-210 (3) CHAMORU STUDIES AND PRACTICES F/SP

This course explores CHamoru art forms and practices. It examines the ways in which such forms and practices re-

flect the ways of life and beliefs of the indigenous people of the Marianas. Each semester, the course will focus on a selected art form or practice. Students may repeat the course once with a different topic.

CM-301 (4) ADVANCED CHAMORU I-READING F/Even Years

This course emphasizes reading competency, further development of oral-aural skills, and the phonological and morphological structures of the CHamoru language. Prerequisites: CM-201 and CM-202 or consent of instructor.

CM-302 (4) ADVANCED CHAMORU II-WRITING SP/Odd Years

This course emphasizes writing competency, further development of oral-aural skills, and the syntactical and semantic structures of the CHamoru language, and CHamoru orthography. Prerequisites: CM-202 and CM-301 or consent of instructor.

CM-340 (3) CHAMORU CULTURE F/DE

This course critically examines and re-evaluates historic and contemporary representation of CHamoru culture. Dance, music, change, storytelling, graphic and textile are, and other cultural forms are set alongside a background understanding of culture as a dynamic expression of changing historical, social, political, environmental, economic, and other conditions in the Mariana Islands from ancient to contemporary times. This course employs an interdisciplinary approach to critically exploring these cultural forms and the varying contexts out of which they arise. This exploration will be conducted while considering the larger issue surrounding the politics of cultural representation to include identity, modernity, adaptation and resistance, debates of over authenticity, ownership and appropriation, and the ongoing CHamoru cultural renaissance of the 21st center. Prerequisites: CM-102 and CM-110, or consent of instructor.

CM-412 (3) TOPICS IN CHAMORU STUDIES SP/Odd Years

This course is an intensive study of a specific topic or theme relative to historical analysis of the Mariana Islands colonial legacy and contemporary issues including CHamoru cultural survival, land, social and economic development, political status, religion, and modern modes of scholarly inquiry in the Mariana Islands. Prerequisite: CM-340 or consent of instructor.

CM-491 (3) CHAMORU STUDIES SENIOR CAPSTONE SP/Odd Years

The senior capstone course provides an opportunity for students to complete a capstone project that integrates the learning objectives identified by the CHamoru studies program with the mission of the University and the broader community. Students will be able to choose from sev-

eral options for their capstone project that may include research, demonstration, or creative expression. All capstone projects will be delivered in the CHamoru language. Prerequisites: CM-302 and consent of Instructor.

COMMUNICATION (CO)

CO106 (3) INTRODUCTION TO MASS COMMUNICATION F/S/DE/ HYB/DE

This course is a survey of the history, theory, and practice of mass media on Guam, in the United States, and in the world.

CO-200(3) VOICE AND ARTICULATION F/SP

This course is a study of the speech mechanism and how it functions. It emphasizes phonetics and Standard American English pronunciations, as well as changes in the speaking voice. It is especially designed for education majors, non-native speakers of English, and those who desire improvement in their speaking performance.

CO-210(3) FUNDAMENTALS OF COMMUNICATION F/SP

This course introduces students to public speaking and person-to-person communication, as well as to group and intercultural communication. Students learn about basic speech preparation and delivery, as well as effective communication skills suited to the people with whom they interact in a variety of everyday contexts. Oral presentations may include demonstrative, informative, and/or persuasive speeches of 6-8 minutes in length. Prerequisites: EN-110 placement.

CO-220(3) LISTENING BEHAVIOR SP/Even Years

This course is the study of the theory and practice of human listening. It is designed to assess individual listening behavior and to apply principles of listening for self-improvement. Prerequisite: CO-210 or consent of instructor.

CO-226(3) MEDIA WRITING F

The theory and practice in gathering and presenting news for the print media is covered in this course. Students work may appear in the Triton's Call. Prerequisite: EN-110 placement.

CO-228(3) FILM AND TELEVISION CRITICISM F

This course is as an introduction to the theoretical and historical approaches to cinema creation and TV narrative programming. The class is specifically an exploration of the critical tools that help interpret meaning from film and television. Students will develop visual literacy and research skills as they analyze, discuss, research and write about acclaimed film and filmmakers as well as select TV genres. Prerequisites: EN-110 and EN-111.

CO-236(3) BROADCAST PRODUCTION F

This course is an examination of the various elements involved in television production. It includes lab experiences and hands on group production exercises and projects. Students will become familiar with single camera digital cinematography, lighting, audio for video/film, and non-linear editing using Adobe Premiere. Multiple-camera studio techniques are also introduced. Students will complete projects eligible for the University of Guam International Film Festival.

CO-240(3) PHOTO JOURNALISM F/Even Years

Production, selection and use of photographs in newspaper and magazines are covered in this course. Students must have 35 mm camera. Prerequisite: CO-226 or consent of instructor.

CO-250(3) ARGUMENTATION F

This course covers the theory of reasoned discourse, the principles of critical thinking, and the practice of argumentation and advocacy as applied in public discussion and debate of controversial issues.

CO-310(3) INTERCULTURAL COMMUNICATION SP

This course presents the theory and insights into the practice of communication between persons of variant cultures. It focuses on building intercultural communication competence by gaining an understanding of differences in communication behaviors, expectations and values. Prerequisite: CO-210, EN-110.

CO-320(3) INTERPERSONAL COMMUNICATION SP/Even Years

The theory and practice of interpersonal interaction, including personal growth, cooperation, conflict, negotiation and gaming, are covered in this course. Prerequisite: CO-210.

CO-326(3) ADVANCED REPORTING SP/Even Years

This course covers the theory and practice of special news gathering skills; including investigative reporting, feature writing and precision journalism. Prerequisite: CO-226.

CO-327(3) ADVERTISING IN THE MASS MEDIA F

This course is an in-depth examination of advertising's impact on society and how mass communication advertisements are created. It covers the history, concepts and strategies of advertising, as well as creation and placement of mass media messages. Prerequisite: CO-106 or consent of instructor.

CO-330(3) SMALL GROUP COMMUNICATION F/Odd Years

This course focuses on the skills involved in the processing of information, making of decisions, leadership, control,

and conflict resolution in problem-solving discussions.
Prerequisite: CO-210.

CO-336(3)
BROADCAST JOURNALISM **SP**
This course covers the theory and practice of writing and presenting news for the broadcast media. It includes individual and group projects in writing, reporting and interviewing techniques. Prerequisite: CO-236, concurrent enrollment or consent of instructor.

CO-340(3)
PERSUASION **F/Even Years**
Persuasion covers the use of persuasive techniques in a variety of communication settings, ranging from public speaking situations to consumer contact with the mass media. Prerequisite: CO-210.

CO-350(3)
PUBLIC SPEAKING **SP**
Public Speaking covers the theory and study of rhetoric in public settings. The course is designed to assess individual public speaking behaviors and apply principles of rhetoric for improvement in speech preparation and delivery. Prerequisite: CO-210 or consent of instructor.

CO-355(3)
COMMUNICATION FIELD EXPERIENCE PUBLIC RELATIONS CAMPAIGN MANAGEMENT **SP/Even Years**
This course offers advanced practical experience in communication including on-campus activities such as organizing speech forum activities and other UOG extracurricular academic activities, speaker's bureau, as well as off-campus activities in forensic tournament judging, public relations, or other field experiences. Prerequisite: CO-210 and completion of or concurrent enrollment in CO-250 or CO350.

CO-356(3)
EDITING AND LAYOUT DESIGN **SP/Even Years**
This is an upper division course in editing, page layout, and design of newspaper, newsletters, and other print publications with emphasis on computerized desktop publishing procedures. Semester projects may include work on the campus newspaper, Triton's Call, at the discretion of the instructor. Prerequisite: CO-226 or consent of Instructor.

CO-357(3)
MEDIA COMPUTER GRAPHICS **SP/Odd Years**
This is an upper division course emphasizing digital image manipulation, photography, editing and use of computer photography editing software. Complementary to CO-240 Photojournalism and CO356 Editing and Layout Design. Semester projects may include work on the campus newspaper, Triton's Call, and other projects at the discretion of the instructor. Prerequisite: CO-236 Broadcast Production.

CO-360(3)
PUBLIC RELATIONS IN BUSINESS AND PROFESSIONS
F/Even Years
This is an introductory survey and skill course in basic public relations among various interest groups, i.e., commercial, educational, private and governmental sectors. Prerequisite: CO-210.

CO-370(3)
ORGANIZATIONAL COMMUNICATION **SP/Odd Years**
This course provides an overview of the various theories and approaches which have been developed to understand human processes in organizations. It focuses on the impact of globalization and emerging communication technology on organizational processes, as well as the influence of organizational structure and hierarchy on communication and other organizational outcomes. Prerequisite: CO-210.

CO-385(3)
PRINT MEDIA EXPERIENCE **SP**
This course provides students with practical on-campus journalism experience. Students work on the university newspaper, Triton's Call, under faculty supervision, reporting and writing on events relevant to the University community. Prerequisite: CO-226 or concurrent enrollment.

CO-386(3)
MASS MEDIA EXPERIENCE: BROADCASTING
As Resources Permit
This course provides students with practical experience at local media outlets and the opportunity to apply knowledge gained in their previous courses to a real-world work environment. Prerequisite: CO-236 or concurrent enrollment or consent of the instructor.

CO-398(3)
COMMUNICATION INTERNSHIP **F/SP**
This upper division course provides an optional, practical internship experience for students which will enhance their preparation for the professional world. Each student works 90 hours as an intern at a local business, organization, or government agency while also meeting with Instructor to integrate their educational knowledge and skills with their external experience. Prerequisites: 12 credit hours of Communication courses, junior standing or consent of instructor.

CO-410(3)
SPECIAL TOPICS IN COMMUNICATION STUDIES
As Required
This course provides the opportunity for intensive study of a specific area of communication theory and practice. It may be repeated for credit, with transcript showing the topic studied.

CO-412(3)**INTERPRETIVE JOURNALISM** SP/Odd Years

The course focuses on writing news analysis, editorials, columns and critical reviews. Student work is submitted for publication in Triton's Call and/or local media. Prerequisite: CO-226 Recommended: CO-250 and EN-319.

CO-426(3)**DOCUMENTARY PROCESS** SP/Even Years

This course enables students to learn the processes by which historical, social, cultural events and/or phenomena are prepared for presentation on public media. Emphasis is on research, writing, and production concepts. Prerequisite: CO-106, CO-236 or consent of instructor.

CO-450(3)**COMMUNICATION THEORY AND RESEARCH**

F/Odd Years

This course is a survey of classical and recent communication theory and research, with emphasis on pertinent speech and mass communication professional literature, resources, and organizations, theory of scientific observation, methodology, and research, and modern Communication theory and research trends. Prerequisites: 6 credits of upper division communication courses.

CO-491(3)**CURRENT ISSUES IN COMMUNICATION AND SOCIETY** F/SP

This seminar examines appropriate communication behavior. The discussions explore the need for ethical guidelines in all venues of communication with particular emphasis on conflict resolution, consensus reaching, and team-building. The seminar offers alternatives to the Western model of "communication as a contest." This course is a capstone for Communication majors in that it integrates key concepts from other courses as well as skills learned through the general education program. Prerequisites: CO-210. Senior-level status.

CO-498(3)**COMMUNICATION INTERNSHIP** F

This course is designed as a "bridge" experience between the academic and professional worlds for Communication majors in their senior year. It offers students advanced training in professional skills prior to graduation. Each student works a number of hours each week as an intern at a local business or agency, while also meeting with the Instructor for cognitive integration of their learning experiences. Prerequisite: 18 credit hours of Communication courses, senior standing.

COMPUTER SCIENCE (CS)

Note: Computer Science Majors must complete CS-201 and CS-202 courses prior to taking upper CS courses.

CS-200 (3)**COMPUTER APPLICATIONS** F/SP

The course covers basic concepts in modern computers and their applications. Course topics include components of a computer, computer networks and Inter, computer software, categories of computers, computer applications in society, computer ethics and security, and so on. Homework and projects include Microsoft Windows, Microsoft Office (Word, Excel, and PowerPoint), webpage design and multimedia applications. Prerequisite: MA-085 a-b or MA-089 or math placement (higher than MA-085b or MA-089) or consent of instructor.

CS-201 (4)**PROGRAMMING I** F/SP

This course introduces high level computer programming languages with emphasis on program design, coding, debugging, testing, and proper documentation with applications. Prerequisite: MA-161a/MA-165 with a "C" or higher" or consent of instructor. Note: this change was approved 121517. As per email from Dr. Frank Lee dated 7/13/18. There is a conflict of information.

CS-202 (4)**PROGRAMMING II** F/SP

This course introduces problem-solving methods by using an object-oriented programming language. Topics include data types, decisions and loops, objects and classes, arrays and array-lists, algorithms and methods, encapsulation and polymorphism, inheritance and interface, graphical user interfaces, and exception handling. Prerequisites: CS-200 and CS-201; or consent of instructor.

CS-303 (3)**DATA STRUCTURES AND ALGORITHM ANALYSIS** F/SP

The course covers the following concepts: Basic data structures; graph, search paths and spanning trees; algorithm design and analysis of sorting, merging and searching; memory management, hashing, dynamic storage allocation; integration of data structures into system design. Prerequisite: CS-202 or consent of instructor.

CS-305 (3)**ASSEMBLY LANGUAGE AND COMPUTER ORGANIZATION** F

This course covers the organization and structure of the major components of a modern computer: combinational circuits, sequential circuits, simulation of circuits, coding, computer organization and architecture, including a detailed study of a micro-computer or minicomputer and the use of Assembly language. Prerequisite: CS-202 and CS-303, or consent of instructor.

CS-315 (3)**INTRODUCTION TO DATABASE
MANAGEMENT SYSTEMS****SP**

This course covers the following concepts: Definition of file components, access methods and file operations; algorithms for efficient implementation of data structures; characteristics of bulk storage media for mainframe and microcomputer or minicomputer; introduction to database management systems. Prerequisite: CS-202 or consent of instructor.

CS-360 (3)**INTRODUCTION TO OPERATING SYSTEMS****F**

This course covers the following concepts: Operating system history and services; file systems; memory management; process management-concurrent processes, communication, semaphores, monitors, deadlocks; resource management processor and disk scheduling; security and protection systems. It meets for three hours lecture and three hours laboratory weekly. Prerequisite: CS-202, CS-303 or consent of instructor.

CS-365 (3)**COMPUTER ARCHITECTURE****SP**

This course is an in-depth analysis of one or more operating systems, system data structure, hardware architecture, interrupt handling. Other topics may include parallel hardware architectures and performance analysis. Prerequisite: CS-202, CS-303 and CS-305, or consent of instructor.

CS-380 (3)**ORGANIZATION OF PROGRAMMING LANGUAGES****F**

The course examines general concepts of programming languages; scope and binding rules, applications and implementation of language concepts, including the study of two or more of the languages: ADA, ALGOL, PL/1, MODULA-2, SNOBOL, LISP, C and PASCAL. Prerequisite: CS-202 and CS-303, or consent of instructor.

CS-403 (4)**DATA COMMUNICATION AND
COMPUTER NETWORKS****SP**

This course includes 3 lecture hours and 1 hands-on experimental hour. The course covers basic concepts and industrial principles of data communication and computer networks, OSI and TCP/IP protocols and Standards, data and signals, distributed computing; local and wide area networks. The experimental hour covers the hand-on knowledge and real-world skills for Network Administrators of Windows, Unix/Linux or Novel Netware networks systems. Prerequisite: CS-202 and CS-360, or consent of instructor.

CS-425 (3)**SYSTEMS ANALYSIS & DESIGN****F/SP**

Systems Analysis and Design describes a well-defined process for developing information technology, people, and data resources to support business goals and requirements. Prerequisites: CS-315, CS-380, CS-403 or consent of instructor.

CS-431 (3)**ADVANCED TOPICS IN COMPUTING****F**

This course is a study of selected topics in computing and information systems, such as computer graphics, computer modeling, information modeling, software engineering, design and analysis of software. With different subject matter, it may be repeated for credit. Prerequisites: Junior/senior level standing in computer science CS-202 and CS-303, or consent of instructor.

CS-492 (3)**PRACTICUM IN COMPUTER SCIENCE****F/SP**

This is a project-oriented course in computer science for seniors. All projects will be chosen by students or assigned by the professor. This guided work will be supervised by a qualified professor or project director. Students need to submit project reports at regular intervals.

CS-498 (4)**COMPUTER SCIENCE INTERNSHIP****SP**

This course provides senior students a whole-semester internship opportunity. Students can obtain practical training experiences in the fields of computer science or computer information systems, such as computer networks, database management, computer system management, and software design and implementation. During the semester, students work in a technical or professional area under the supervision of an expert in the field. Prerequisite: C or better in CS-315, CS-360 and CS-403.

CRITICAL THINKING (CT)**CT-101 (3)****CRITICAL THINKING****F/SP**

This is an interdisciplinary foundation course in critical thinking. Students learn how to analyze, critically evaluate and construct arguments, detect common fallacies in reasoning, and propose logical and creative solutions to complex problems. Critical thinking skills are valuable in all disciplines and will benefit students in academic contexts and in life. Corequisites: EN-109 or the equivalent.

EDUCATION (ED)

NOTE: Education courses are offered on a regular basis as indicated following each course title. Students are responsible for planning their programs with their advisors so that they meet the prerequisites of advanced courses. -Special Education Majors must complete ED-215 and ED-292 prior to taking higher-level Special Education courses.

ED-110 (3)

INTRODUCTION TO TEACHING F/SP

This course assists the prospective teacher in evaluating personal qualifications in the light of criteria for successful classroom teaching and helps the student make a well informed decision for or against a career in teaching. It is open only to students with less than 60 hours earned college credit. Concurrent enrollment in ED-192 is recommended.

ED-192 (1)

PRACTICUM: OBSERVATION AND PARTICIPATION F/SP

This course provides prospective teachers with the opportunity to work with children and/or youth by a gradual induction into the classroom prior to taking professional education courses. It familiarizes students with the responsibilities of a teacher, materials and the general operation of the school. Students spend three hours per week in classrooms as an observer under a cooperating teacher. Students also participate in a weekly seminar. Concurrent enrollment in ED-110 is recommended. (Grading System: P- NC).

ED-201 (3)

HUMAN GROWTH AND DEVELOPMENT F/SP

This course covers the lifespan of human growth and development with special emphasis on the formative years of the child and the role of parents, caregivers and teachers. Through online and/or on-site observations, developmental patterns are studied in the physical, cognitive, social and emotional domains. Prerequisite: PY-101.

ED-215 (3)

INTRODUCTION TO EXCEPTIONAL INDIVIDUALS F/SP

This is an introductory course that investigates exceptionalities, including gifted as well as disabling conditions. This course will focus on types of exceptionalities, etiological factors, dynamics, incidence, and the psychological implications of the various exceptionalities on the individuals, the family, including those with culturally and linguistically diverse backgrounds, and the social environment. Special Education majors must complete ED-215 and ED-292 prior to taking higher-level Special Education courses.

ED-265 (3)

CULTURE AND EDUCATION IN GUAM F/SP

This is a study of Guam's cultural development focusing on periods of intense cultural conflict and interchange. It focuses on the island and the concomitant implications for educators. Differing educational approaches to the

cultural environment, both past and present, are explored. It meets the Guam teacher certification requirement in culture or history.

ED-271 (3)

TECHNOLOGY APPLICATIONS FOR EDUCATORS F/SP

This teaching methods course emphasizes the psychological and theoretical basis for using instructional media and technology in education. Students produce various instructional media and demonstrate the use of the newer technologies such as telecommunications, assistive technology, computers, and multimedia as educational tools.

ED-280 (3)

INTRODUCTION TO BILINGUALISM/BICULTURALISM F

This course examines bilingualism/biculturalism and includes the sociological, psychological, linguistics, cultural, and educational aspects.

ED-292 (3)

PRACTICUM IN SPECIAL EDUCATION As Needed

This practicum course deals with observations of various agencies serving exceptional individuals. Students are required to put in two (2) hours of observation a week and one-hour seminar. Prerequisite: ED-215, or concurrent enrollment or consent of instructor. Special Education majors must take this course prior to taking higher-level special education courses. Grading System: A-F.

ED-300 (3)

EDUCATIONAL PSYCHOLOGY F/SP

This course offers an analysis of the complex factors involved in learning, individual differences, motivation for learning, individual differences in learning, leadership, and socio-cultural factors as they affect the education of children and youth. Prerequisite: PY-101, ED-201.

ED-310 (3)

REMIEDIATION OF INDIVIDUALS WITH LEARNING DISABILITIES/BEHAVIOR DISORDERS As Needed

This is a methods course, which will provide an in-depth study of children and adolescents with specific learning disabilities. The course will focus on the identification, assessment, placement and delivery of services across all grade levels. It will include the adaptation of content, methodology and delivery of instruction to students with learning disabilities, including those with culturally and linguistically diverse backgrounds and social environment. Prerequisite: ED-215 or consent of instructor.

ED-311 (3)

CURRICULUM FOR CHILDREN AND YOUTH WITH DISABILITIES As Needed

This is curriculum course for working with students with disabilities. In this course the major focus is the discussion of the role practiced by special education personnel and other school based support individuals on the relevant curriculum needs for individuals with developmental disabili-

ties. This includes the logical and systematic decision-making process for both short and long term planning, which involves the student, parent and teachers in setting curriculum content priorities in the planning process. Prerequisites: ED-215 and ED-292, or consent of instructor.

ED-312 (3)

GUIDANCE FOR EXCEPTIONAL INDIVIDUALS AND FAMILY

As Needed

This course considers the counseling role of the professional in providing support to exceptional children with disabilities and their families. The improvement of mental health and adjustment of exceptional pupils being served is a major topic. This course includes some basic skills useful for counselors. Understanding of the stages of parental reaction to having a child with a disability, family dynamics, and special considerations one must take into account prior to working with a family (i.e. student age, family culturally competent strategies are learned, specifically in the areas of developing a counseling plan, developing trust, building relationships, and family needs assessment. Prerequisites: ED-215 or consent of instructor.

ED-314 (3)

ASSESSMENT OF SKILLS FOR CHILDREN AND YOUTH WITH SPECIAL NEEDS

As Needed

This is an assessment course for determining the present levels of educational performance of student with or without disabilities. The course addresses pre-placement assessments, determination of eligibility for special education programs, assessing daily progress in meeting learning goals and objectives and reevaluation strategies of students with disabilities. It will also address the understanding of psychoeducational reports and determining the instructional implication of such reports. School-wide assessments for both groups and individual's assessment, as will performance-based and authentic assessments will be reviewed. Prerequisite: ED-215 or consent of instructor.

ED-315 (3)

METHODS OF TEACHING CHILDREN AND YOUTH WITH SPECIAL NEEDS

As Needed

This is a method course, which will provide an in-depth educational study of children and adolescents with moderate to severe disabilities including mental retardation, autism, cerebral palsy, etc. The course will focus on the identification, assessment, placement and delivery of services across all grades levels in various educational settings. It will include the adaptation of content, methodology and delivery of instruction to all students, including those with culturally linguistically diverse backgrounds and social environment, with moderate to severe disabilities. Prerequisite: ED-215 or consent of instructor.

ED/LS-319 (3)

CHILDREN'S LITERATURE

SP

This course emphasizes the reading and examination of all types of printed and audio-visual materials, a study of the

history and development of children's literature, its value to the communication process, and the criteria for selection and utilization of books and closely related materials suited to the needs and tastes of elementary school children including exceptional children.

ED-321 (3)

LANGUAGE ARTS METHODS: SECONDARY

F/SP

This course covers objectives, methods, materials and philosophy for instruction in the secondary school program. It is designed for majors English Education or language arts specialization students. Classroom observation is required. Prerequisites: ED-tA110, ED-300, and Admissions to SOE and 12 credit hours in EN, CO, LN. Students should take ED-489 concurrently and course should be taken the semester before student teaching.

ED-322 (3)

SOCIAL SCIENCES METHODS: SECONDARY

F/SP

This course covers objectives, methods, materials and philosophy for teaching social studies at the secondary school level, for History for Education or Government for Education majors or social studies specialization students. Observation in secondary social science classes is required. Prerequisites: ED-110, ED-192, ED-300, and Admissions to SOE and 12 credit hours in social sciences. Students should take ED-489 concurrently and course should be taken the semester before student teaching.

ED-323 (3)

MATHEMATICS METHODS: SECONDARY

F/SP

This course covers objectives, methods, materials and philosophy for teaching the mathematics at the secondary school level, for majors and mathematics specialization students. Observation in secondary mathematics classes is required. Prerequisites: ED-110, ED-300, and Admissions to SOE and 12 credit hours in mathematics. Students should take ED-489 concurrently and course should be taken the semester before student teaching.

ED-324 (3)

SCIENCE METHODS: SECONDARY

F/SP

Science majors and general science specialization students are directed to objectives, methods, materials and philosophy of teaching science in the secondary schools. Observation in secondary science classes is required. Prerequisites: ED-110, ED-300, and Admissions to SOE and 12 credit hours in science. Students should take ED-489 concurrently and course should be taken the semester before student teaching.

ED-325 (3)

BUSINESS SUBJECTS METHODS: SECONDARY

F/SP

This course covers objectives, methods, philosophies, and materials for the improvement of instruction in both skills and non-skill subjects in business. Observation in secondary school business classes is required. Prerequisites: ED-110, ED-300 and Admission to SOE and 12 credit hours in science. Students should take ED-489 concurrently and course should be taken the semester before student teaching.

ED-326 (3)**FINE ARTS METHODS: SECONDARY F/SP**

This course covers objectives, methods, materials, and philosophy for teaching fine arts at the secondary school level, for majors and fine arts specialization students. Observation in secondary fine arts classes is required. Prerequisites: ED-110, ED-300 and Admission to SOE and 12 credit hours in art or music. Students should take ED-489 concurrently and course should be taken the semester before student teaching.

ED-327 (3)**CONSUMER FAMILY SCIENCES METHODS: SECONDARY F/SP**

This course covers objectives, methods, and philosophies for teaching Consumer Family Science (CFS) in middle and high school. Observations and participation in CFS classes in secondary schools are required. Prerequisites: ED-110, ED-300 and Admission to SOE and 12 credit hours CFS. Students should take ED-489 concurrently and course should be taken the semester before student teaching.

ED-328 (3)**CAREER AND TECHNICAL EDUCATION METHODS I As Needed**

This course aids the prospective teacher in developing and implementing Career and Technical Education (CTE) curriculum and teaching methods in the classroom with emphasis on research finding. Observation in CTE classes is required. Prerequisites: ED-110, ED-300 and Admission to SOE and 12 credits hours in CFS. Students should take ED-489 concurrently and course should be taken the semester before student teaching.

ED-329 (3)**CAREER AND TECHNICAL EDUCATION METHODS II As Needed**

This course is an extension of ED-328 and provides students an opportunity to strengthen their skills in Career and Technical Education Curriculum Development and instructional techniques. Students also prepare and utilize instructional material that support individualized learning. Prerequisite: ED-328.

ED-330 (3)**LANGUAGE ARTS IN EARLY CHILDHOOD F**

This course covers methods and materials appropriate to teach language arts to young children including the development of oral and written language. Practicum is required. Prerequisite: ED-251.

ED-331 (3)**TEACHING THE YOUNG CHILD SP**

This course covers school experiences appropriate for young children, which provide the foundation for continued learning throughout school and later life. Observation and Practicum is required. Prerequisite: ED-251.

ED-332 (3)**CURRICULUM FOR YOUNG CHILDREN SP**

This course covers instructional methods and materials appropriate to teaching young children with emphasis on science, social studies, mathematics, health and physical education. Practicum is required. Prerequisite: ED-251.

ED-333 (3)**CREATIVE ARTS IN EARLY CHILDHOOD F**

Methods of directing children's experience in the fine arts and encouraging creativity are presented. Practicum is required. Prerequisite: ED-251.

ED-334 (3)**SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS F/SP**

Teachers who work with young children need the most effective ways to address problems. In this course students will learn different problem-solving techniques that help children learn to accept responsibility and communicate with each other.

ED-336 (3)**BUILDING HOME AND SCHOOL RELATIONSHIPS IN EARLY CHILDHOOD EDUCATION F**

This course will focus on the importance of parental involvement and how to build relationships that will ensure success in the classroom. Students will discuss the awareness, knowledge, and skills needed to work productively with children and their parents. Prerequisites: ED-331.

ED-343 (3)**TRANSITION IN SPECIAL EDUCATION As Needed**

This course provides knowledge and skills necessary for implementing relevant career education, vocational, family living and transition programs critical to the individuals with disabilities becoming contributing members to society. Career awareness programs in the elementary, middle, and senior high schools are examined. This course is required for all Special Education majors. Prerequisite: ED-215 or consent of instructor.

ED-350 (3)**EFFECTIVE TEACHING STRATEGIES FOR THE ELEMENTARY MULTICULTURAL CLASSROOM F/SP**

This is a study of techniques of classroom management, learning objectives, writing lesson and unit plans, and matching teaching strategies with learning styles. Prerequisites: ED-110, ED-192 or equivalent, ED-201, ED-300 or consent of instructor.

ED-351 (3)**FINE ARTS METHODS: ELEMENTARY SP**

This course gives students a working knowledge of the fundamentals of teaching music, arts, and drama. The abilities to keenly observe and perceive in order to create personal expressions that can serve as mortar for all learning are encouraged. Prerequisites: Any 100-200 level courses in Art Theater Music & ED-350 or concurrent enrollment.

ED-353 (3)**SOCIAL STUDIES METHODS: ELEMENTARY F**

This course covers objectives, methods, materials and philosophy of the elementary social studies program. Prerequisites: Any 100 or 200 level PS, GE, HI, AN, SO, BA/EC or LN course and ED-350 or concurrent enrollment.

ED-354 (3)**SCIENCE METHODS: ELEMENTARY F**

This course strives to develop an attitude of research and inquiry among students who are in teacher preparation as well as demonstrating methods to accomplish a similar goal with children. Prerequisites: Any 100 or 200 level BI, CH, NS or PH courses and ED-350.

ED-355 (3)**LANGUAGE ARTS METHODS: ELEMENTARY SP**

This course stresses an understanding of the phases of language arts development and the selection and use of educational approaches to enhance this development. Both ED-355 and ED-357 to be taken concurrently. Prerequisites: EN-111 and ED-350 or concurrent enrollment. Corequisite: ED-357.

ED-356 (3)**MATHEMATICS METHODS: ELEMENTARY F**

This course covers objectives, methods and materials for teaching mathematics in the elementary schools. Experience in planning and teaching mathematics lessons on several levels within the elementary level is required. Prerequisites: MA-110 and ED-350 or concurrent enrollment.

ED-357 (3)**READING METHODS: ELEMENTARY As Needed**

This course examines modern theory and practice in the various areas of reading instruction. Emphasis is placed on a basic developmental reading program in the classroom; organization and administration; adjustment to meet individual differences; reading readiness; basic reading skills; word analysis (structural and phonetic); reading in the content subjects; and recreational reading. Classroom observation and participation are required. Practicum is required. Both ED-355 and ED-357 to be taken concurrently. Prerequisites: EN-111 and ED-350 or concurrent enrollment. Corequisite: ED-355.

ED-363 (3)**P.E. AND HEALTH METHODS ELEMENTARY SP**

This course is designed to prepare elementary classroom teachers to teach Health and Physical Education in the elementary schools. Health and Physical Education concepts and skills that are contained in the professional association standards as well as the standards of teaching from the GPSS Teacher Standards and the conceptual framework adopted by the UOG school of Education are integral components. Prerequisite: AL-185 or HS200 and ED-350.

ED-384 (3)**STUDENT ACADEMIC COUNSELOR TRAINING F/SP**

This course covers the theory and practice of peer counseling with emphasis on study skill development and cross-cultural communication. Students gain experience as instructor aids in FY101. Prerequisites: EN-111. Sophomore standing. Approval of Counseling Services Committee required.

ED-385a-b (3-3)**STRUCTURE OF THE LANGUAGE a-F, b – SP/DE**

This is the study of the structure of a target language which provides valuable information for second language teachers and teachers in bilingual/bicultural programs. The course may be repeated for credit when different target languages are studied. Prerequisite: Professionally assessed language competency.

ED-385-c (3)**STRUCTURE OF THE LANGUAGE: CHAMORU ORTHOGRAPHY SU/As Required**

This is the study of the structure of the language which provides valuable information for second language and bilingual teachers. This course may be repeated for credits when different targeted languages are studied. Prerequisite: ED-385a-b.

ED-392 (3)**METHODS PRACTICUM F**

This course provides a field experience with the first upper division in the Elementary Education Program. Prerequisites: ED-350; Effective Teaching in the Elementary Multicultural Classroom; consent of instructor.

ED-404 (3)**FOUNDATIONS OF VOCATIONAL / TECHNICAL EDUCATION F**

This is an overview of the evolution and current developments in various forms of Vocational-Technical Education. It includes an introduction to differing philosophical perspectives, as well as an exploration and analysis of the technological, cultural, political, economic and legislative factors that affect current and future forms of Vocational and Technical Education.

ED-405 (3)**ORGANIZATION AND MANAGEMENT OF VOCATIONAL /TECHNICAL EDUCATION LABORATORIES SP**

This course assists students in the development of knowledge and skills necessary to organize and manage the Vocational/Technical Education Laboratories.

ED-406 (3)**EVALUATION AND THE IMPROVEMENT OF VOCATIONAL /TECHNICAL EDUCATION PROGRAMS SP**

Vocational teachers develop skills and acquire knowledge for the evaluation and reporting of vocational students' performance, determining student grades, evaluating instructional program effectiveness, and evaluating vocational programs. Prerequisite: ED-404 or consent of instructor.

ED-411 (3)
CONTEMPORARY ISSUES IN COUNSELOR EDUCATION
SP

This is an approach to human endeavor as a matter of interpersonal relations with basic information concerning personality development, mental mechanisms and pathological personality types. It is aimed at the WHY of human behavior and intended for teachers. Prerequisite: Upper division standing or consent of instructor.

ED-442 (3)
SPECIAL EDUCATION LAW **SP**

This course develops the knowledge and skills necessary for pre-service, in-service and related personnel in the development and implementation of Individualized Education Plans (IEPs) for children and youth with disabilities, including those with culturally linguistically diverse backgrounds and social environment, who are eligible for Special Education services. The development of both long term and short-term goals and objectives within the guidelines of current Special Education legislation is a major focus of the course. Prerequisites: ED-215 or consent of instructor.

ED-443/G (3)
ASSISTIVE TECHNOLOGY IN SPECIAL EDUCATION
As Needed

This course is designed for special education and regular education teachers who expect to teach students with disabilities. Students learn to select, adapt, create, and use materials and assistive technology for students with disabilities. Prerequisite: ED-215 or consent of instructor.

ED-444 (3)
SOCIOCULTURAL ASPECTS OF EDUCATION **SP**

This is a survey of sociological and psychological factors related to education of children outside the cultural and economic mainstream of American society and includes a review of local resources and facilities to assist these pupils. Prerequisites: SO-101, PY-101 or consent of instructor.

ED-446/G (3)
INCLUDING CHILDREN WITH DISABILITIES
IN THE REGULAR CLASSROOM **F/SP**

This course is designed for special and general education teachers at both elementary and secondary level. It covers basic knowledge and skills necessary for teaching students with disabilities in order to be involved in and progress within the least restrictive environment. Emphasis is placed on the placement of students primarily within the general education setting unless it is determined that placement in this setting with supplementary aids and services has proven to be unsatisfactory. Special emphasis is also given to multicultural populations and settings, including those with culturally and linguistically diverse backgrounds, and the social environment. Prerequisites: Admission to SOE.

ED-449 (4)
DIRECT INSTRUCTION TEACHING STRATEGY
As Needed

This competency-based course deals with the development of skills necessary for effectively teaching direct instruction programs dealing with basic skills of reading, spelling, language, or arithmetic. The specific conceptual content will vary depending on the specific levels of the program(s) taught. Prerequisites: ED-300 or consent of instructor.

ED/LS-451 (3)
AUDIO VISUAL EDUCATION **F/SP**

This is a laboratory course in which instructional design and the selection, production, and utilization of media resources are studied. A survey of perception, communication and learning theories, as well as selected research studies applicable to the design of instructional systems are included. Prerequisites: ED-300 or consent of instructor.

ED/LS-452 (3)
COMPUTERS IN EDUCATION **F/SP**

The course is designed to teach preservice and in-service teachers about micro-computers in education. It provides practical experience with computers, and aids students in learning the various types of software (applications, utilities, CAI/CMI) and their school and classroom uses. LOGO is taught. Issues involved in computer use in education are studied. No previous computer experience is necessary.

ED-457/G (3)
BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION **SP**

This course focuses on managing student behavior (with or without disabilities) to improve classroom instruction and increase learning. This course is designed to help teachers to increase on-task behavior on academic tasks and decrease problem behaviors. The primary focus is on prevention and intervention for inappropriate behavior that interferes with teaching and learning. Emphasis is given to procedures for administration and management of the learning situation in the classroom in order to provide a positive learning environment. This course will also address issues related to discipline as specified in the Individuals with Disabilities Act (IDEA). Prerequisite: ED-215.

ED-462 (3)
CONTENT AREA LITERACY **F**

This course is designed to meet those specific needs for instruction of reading in the middle and secondary school environment. Reading in the content area is emphasized and such concepts as readability levels, study skills and vocabulary development are covered utilizing the competency-based approach. Current strategies concerning remedial readers, motivation of the reluctant reader, material development and comprehension skills are related to this instructional level. Prerequisites: ED-110, ED-192, ED-300 and Admission to SOE.

ED-463 (3)
CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY SP
The course covers practical, theoretical, Philosophical, and ethical aspects of school and Society, the education profession, and secondary Schools with particular focus on classroom Management, school violence, school safety, Educational law, and other critical social issues. Prerequisites: Admission into the School of Education. Course should be taken just prior to student teaching.

ED-473 (3)
DEVELOPING COGNITIVE ABILITIES As Needed
This course examines how to help pupils develop skills necessary to independent learning; strategies designed to help pupils make inferences and predications. Three processes essential to developing independent learners are emphasized: concept diagnosis, interpretation of data and application of knowledge.

ED-476 (3)
EFFECTIVE MIDDLE SCHOOLS F
This course examines the middle school concept and movement; the rationale for designing educational programs for the middle grades (6-8). The course explores the implications of teacher learner, instructional leader and learning environment data for curriculum and instruction. It focuses on dealing with the complex problems facing the middle school teachers.

ED-480 (3)
SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT F
The course surveys curriculum selection and evaluation and analyzes various methods of curriculum modification. It focuses on the selection of existing second language materials, adaptation of materials, and development of original materials for use in a second language or bilingual/bicultural classroom. Prerequisites:ED-280.

ED-481 (3)
SECOND LANGUAGE TEACHING METHODOLOGY SP
This is an introduction to the large and growing field of second language pedagogy. The primary purpose of the course is to provide current and prospective second language teachers with knowledge of the theoretical bases and research which are related to second language learning. The secondary purpose is to consider the practical application of the theories and research within the second language classroom.

ED-482 (3)
WORKING WITH SECOND LANGUAGE LEARNERS F/DE
This course deals with understanding the plight of the limited English proficient student in the mainstream classroom, and techniques and strategies for effectively teaching these students. A practicum is included.

ED-483 (3)
INTRODUCTION TO EARLY CHILDHOOD SPECIAL EDUCATION As Needed
This course provides an overview of the rationale, policies, and procedures for Early Childhood Special Education Services. The etiology of disabilities and a description of children with handicaps are presented. Implications for educational intervention and service delivery for children from birth to 5 years are discussed. The course is designed to introduce students to the field of Early Childhood Special Education. Prerequisites: ED-215 and ED-292.

ED-486/G (3)
BEST (BUILDING EFFECTIVE STRATEGIES FOR TEACHING) F/DE
This course brings together novice and experienced teacher to work collaboratively on strategies to solve classroom problems via the action research methodology. The course will equip beginning teachers with pedagogical and professional skills; and experienced teachers with research skills, particularly those that are needed to carry out collaborative action research. Prerequisite: current enrollment in or completion of ED-392, or consent of advisor.

ED-488/G (3)
SCHOOL LAW FOR TEACHERS F
This course is designed as an introductory class in legal basics for the prospective or recently assigned teacher in the public school system. The class will provide guidance in the everyday decision making that will help make the teacher actions more defensible in this modern era of litigation in the school scene.

ED-489 (3)
EVALUATION F/SP
This course covers the fundamental principles and practices of classroom assessment and evaluation. Effective decision making and professional judgement, using assessment data is critical to the assessment process. Norm-referenced and criterion-referenced assessment instruments, crafting teacher-made assessment tools, using technology and effective formative and summative classroom assessment are major topics. Students are required to complete service learning hours as part of course requirements. Prerequisites: ED-110, ED-300, MA-151.

ED-492 (12)
PRACTICUM IN STUDENT TEACHING F/SP
Note: Prior to Student Teaching/Internship all teacher candidates must take the following Praxis tests and pass with a score as set by the Guam Commission for Educator's Certification (GCEC):

- Praxis II Content Knowledge/Subject Assessment and
- Praxis II Principles of Learning and Teaching: K-6, or Praxis II Principles of Learning and Teaching: 7-12

General description for all ED492: The student is assigned

to a cooperating teacher in an appropriate classroom. Regular observation, counseling and evaluation are provided by the School of Education faculty. Individual counseling and group seminars are required. (Grading System: Letter Grade System).

General Prerequisites: Overall GPA of at least a 2.7 GPA in the teaching area; completion of all education courses. Senior standing and no general education courses can be taken concurrently without special permission from their program chairperson and field experience coordinator; application must be completed by announced deadline.

Special Prerequisites: Secondary - Completion of all professional and related area course requirements. Student is also required to be present at the assigned school the entire school day and is encouraged to follow the Department of Education calendar.

Special Education: Students must complete student teaching experiences in both elementary and secondary special education settings (split semester).

Elementary, Early Childhood, Special Education and Secondary: Completion of all professional and related area course requirements. Students are advised to follow the Guam Public School System calendar.

ED-498 (12)

INTERNSHIP IN TEACHING

As Required

Note: Prior to Student Teaching/Internship all teacher candidates must take the following Praxis tests and pass with a score as set by the Guam Commission for Educator's Certification (GCEC):

- Praxis II Content Knowledge/Subject Assessment and
- Praxis II Principles of Learning and Teaching: K-6, or Praxis II Principles of Learning and Teaching: 7-12

This course provides teaching experience under intensive supervision in private or public schools. The student is assigned a cooperating teacher in the school who acts as a mentor teacher. Regular observation, counseling and evaluation are provided by the SOE. Internship requests from currently employed students or from applicants with unusual circumstances may be made in the form of a written letter of request to the Office of the Field Experience Coordinator. Individuals and or group conference is required. (Grading System: A-P-NC) letter grades. **General Prerequisites:** Current employment in a full-time teaching position and consent of the employer. Overall GPA of at least a 2.70 GPA for Degree students-- completion of all professional and related area requirements, for Certification students-- completion of all certification requirement; senior standing. Application completed by announced deadlines. ED498 must be completed to meet the degree requirements for student teaching.

ENGLISH (EN)

EN-109 (4)

INTRODUCTION TO COLLEGE COMPOSITION

F/SP/SU

This course introduces students to university-level composition. The course emphasizes critical reading and writing skills through the study of argument, analysis, and composing, all of which are fundamental to support success across academic disciplines. Students are required to take EN 109 based on their English placement score and must complete this course with a grade of "C" or better in order to progress in the composition sequence. Grades are A, B, C, D, F, I, or NC.

EN-110 (3)

FRESHMAN COMPOSITION

F/SP/DE

This is a basic college composition course. Emphasis is on constructing grammatical sentences in standard written English, on developing unified paragraphs employing appropriate principles of organization, on developing papers employing appropriate principles of organization, and upon improving skills in critical reading of non-fiction prose. EN-110 must be completed with a grade of "C" or better before taking EN-111. Grades are A, B, C, D, F, I or NC. **Prerequisites:** Completion of EN-109 or test out.

EN-111 (3)

WRITING FOR RESEARCH

F/SP/DE

In this course, students are introduced to the conversation model of scholarship and to the work of composing academic research from topic development to final edit. This course emphasizes the development and advancement of information literacy skills for the purpose of acquiring knowledge of and cultivating a practice for conducting academic research and composing research-related documents such as annotated bibliographies and research manuscripts. Throughout the course, students learn to skillfully navigate information systems to access both print and electronic sources of information related to their research endeavor, with special attention on ethical and legal use of information in their academic research processes and research products. **Prerequisite:** EN-110 with a grade "C" or better.

EN-111H (3)

HONORS WRITING FOR RESEARCH SP

This course provides students with experience in critical reading and writing of academic discourse, hands-on training in the use of library resources and technologies, access to and utilization of CD ROM and on-line databases, and practice in the development of bibliographies, research proposals, and research papers. As an Honors continuation of EN-110, EN-111H places emphasis on clarity, accuracy, and effectiveness in written English. **Prerequisite:** EN-110. This course is open to students who are eligible to enroll in Honors courses.

EN-210 (3)
INTRODUCTION TO LITERATURE F/SP/DE/HYB
This course is an introduction to poetry, the short story and drama. Prerequisite: EN-110.

EN-210H (3)
HONORS INTRODUCTION TO LITERATURE SP
This course offers students the opportunity to read, think about, and experience literary works from a variety of genres. Works with a philosophical dimension are especially treated when this course is paired with PI101H and is taught by a cooperative teaching team. Prerequisite: EN-110. This course is open to students eligible to enroll in Honors courses.

EN-213 (3)
LITERATURE, MYTH AND CULTURE F/SP/DE
This course examines significant myths, legends, and folklore from numerous world cultures, focusing especially on Guam, Micronesia, and the Pacific region. The course emphasizes mythology's influence upon literature, mythology's relevance to literary study, and mythology's role in shaping popular culture. Prerequisite: EN-110.

EN-225 (3)
INTRODUCTION TO LITERARY CRITICISM F
This survey course introduces methods and concepts of critical thought from classical to modern and contemporary approaches. It seeks to prepare students for the kinds of critical writing and interpretation done in upper-level literature and humanities courses. Prerequisite: EN-111.

EN-311 (3)
CREATIVE WRITING F/SP
This course offers its students semester-long practice in writing such literary forms as the short story, the novel, the novella, stage drama, screen drama, verse, and/or the nonfiction essay. Since one literary form will normally be studied for an entire semester, the course may be repeated for credit with different subject matter.

EN-314 (3)
BRITISH LITERATURE SP
This course offers a study of selected works and genres in British literature spanning at least three literary periods. Major works, authors, and literary movements are studied in their social and historical context. The course provides a thematic and chronological frame of reference to serve as a background to further studies in literature.

EN-316 (3)
PROFESSIONAL WRITING F/SP
This course focuses on formal written communication in the professional workplace. Topics include planning, writing, revising, purpose, audience, style, organization, format, technology and strategies for persuasion when writing professional memoranda, documents and reports. The course emphasizes skills and content necessary to communicate effectively in the professional world.

EN-317 (3)
AMERICAN LITERATURE F
This course is a survey of significant works of American literature spanning at least three literary periods. The course is designed to provide a chronological frame of reference for the more detailed study of American literary movements, periods, authors, and types.

EN-318 (3)
WORLD LITERATURE F
This course examines significant developments in world literature and intellectual history as they are reflected in literary texts. The course will focus primarily on geographical regions outside the United States and United Kingdom and will cover at least three literary periods.

EN-319 (3)
ADVANCED COMPOSITION F/SP
The course involves the study and writing of different types of expository prose with some attention to other forms of rhetoric: narration, description, argumentation, and includes a review of grammar, punctuation, and sentence construction.

EN-320 (3)
OTHER VOICES SP
This course is a survey of representative authors in the United States whose achievements require a redefinition of American literary history. Each semester the literature of one discourse community is studied: Native-American, African-American, Hispanic-American, Asian-American, or others. This course may be repeated when different subject matter is covered. Prerequisite: Any 200-level English course or consent of instructor.

EN-321 (3)
THE POETIC TRADITION SP/Odd Years
This course focuses on structural, thematic and aesthetic discussions of poetry as an art form. Prerequisite: Any 200-level English course or consent of instructor.

EN-323 (3)
LITERATURE BY WOMEN F/DE
This course explores representative literature by women around the globe and across time. The course reading covers a variety of literary forms which may include the novel, short story, poetry and such non-fiction as essays, journals, and diaries. Students acquire an understanding of these various literary forms and how women writers have used them to express religious, political, social and philosophical concerns. They also are introduced to a growing body of feminist literary theory. This course allows students to gain an understanding of the social-historical place of literature by women. Prerequisite: Any 200-level literature course or consent of instructor.

EN-333 (3)
**LITERATURE OF GUAM, MICRONESIA,
AND THE PACIFIC** F
This course provides an overview of the Pacific island literatures. It surveys myths, legends, folktales, historical and literary works of Guam, Micronesia and other Pacific island cultures. It also explores resources suitable for instruction in the schools.

EN-340 (3)
MAJOR AUTHORS SP/Even Years
This course allows students to study extensively the work, life, and times of a single writer and, in so doing, to understand the importance and relevance of that writer within both historical and modern contexts. The course may be repeated for credit when different authors are covered. Prerequisite: Any 200-level English course or consent of instructor.

EN-350 (3)
LITERARY GENRES F/Odd Years
This course offers intensive study of major literary genres, including the short story, the novel, verse, drama, cinema, and television. Other genres that may be studied include (but are not limited to) Gothic fiction, science fiction, crime fiction, espionage fiction, children's literature, ecological literature, and sentimental literature. This course may be repeated when different subject genres are covered. Prerequisite: Any 200-level EN course or consent of the instructor.

EN-360 (3)
LITERARY HISTORY F
This course offers a concentrated study of eminent works in the context of the historical period in which they appear. The social developments of the time and the accomplishments in the sciences and humanities provide an intellectual frame of reference. This course may be repeated when different literary histories are covered. Prerequisite: Any 200-level literature courses or consent of instructor.

EN-400 (3)
RHETORIC AND COMPOSITION SP
The course offers a study of rhetorical and composition theories with emphasis on classroom application of the current research on the teaching and study of writing. Student enrolled in this course should have completed, at least, nine credit hours of EN or LN upper-division courses.

EN-411 (3)
ADVANCED CREATIVE WRITING WORKSHOP SP
This course provides advanced instruction in the theory and practice of creative writing for students who have successfully completed an introductory creative writing course and want to develop their craft in a workshop setting. Different forms may be offered from year to year, including short fiction; the novel; poetry; creative non-fiction; and film script and television writing. This course can be repeated when different forms are covered. Prerequisite: EN-311 or consent of instructor.

EN-450 (3)
ENVIRONMENTAL LITERATURE SP
This course offers intensive trans-disciplinary study of major environmental literary modes or as part of the history of ecocriticism in the United States, in the region, and on Guam. This course examines how the environmental movement has shaped and continues to reshape the academy, physically and philosophically. Prerequisite: Any 200-level English course or consent of instructor.

EN-460 (3)
LITERATURES IN ENGLISH F
This course offers an intensive study of representative works of a particular author writing in English, or of a related group of authors (e.g., the metaphysical poets, Commonwealth novelists, Gothic writers, or Western Pacific Writers). With different subject matter the course may be taken more than once for credit. Prerequisite: Any 200-level literature course or consent of instructor.

EN-461/G (3)
PACIFIC WOMEN WRITERS SP/ Odd Years
This course entails an intensive study of representative works of Pacific women writers to acquaint students with the contours of this emerging literature in terms of styles, themes, symbols, images, language, politics, and subject. Students will gain an understanding of the place of this literature in the larger context of Pacific Literature, Women's Literature, Minority Literature and Contemporary Literature in English. Prerequisite: Any 200-level literature course or consent of instructor.

EN-470 (3)
WORLD LITERATURES IN TRANSLATION
F/Even Years
EN470 is a focused study of western and non-western literary texts translated into English. The course may be offered in the literatures of Europe, Asia, Africa, Latin America, the Middle East, and others. The course may be repeated for credit when different subject matters or periods are covered. Prerequisite: Any 200-level literature course or consent of instructor.

EN-473 (3)
THE MODERN JAPANESE NOVEL F/Odd Years
EN473 is a focused study of selected modern Japanese novels against a background of social, political, and cultural developments from the end of the Meiji period (circa 1912) to the present. The course may be repeated for credit when different subject matters or periods are covered. Prerequisite: Any 200-level literature course or consent of instructor.

EN-480 (3)
LITERARY THEORY SP
This capstone course serves as a culminating experience for the undergraduate major in literature. It integrates key concepts from other literature courses and offers a

detailed study of the origins, purposes, and varieties of literary theories, as well as the debates and controversies associated with those theories. The course emphasizes twentieth-century and contemporary critical approaches and movements. Prerequisite: EN-225; nine credit hours in other literature courses; or consent of the instructor.

FINE ARTS (FA)

FA-231 (3) SURVEY OF THE ARTS F

This interdisciplinary course is designed to increase student's critical awareness of the Fine Arts. Through a series of topics, the common ground shared by these Fine Arts as well as their unique modes of expression and expressive potential are explored. Prerequisite: Must be Fine Arts major or minor or consent of instructor.

FA/PI-331 (3) PHILOSOPHY OF THE ARTS SP/Even Years

This course offers as a study of the major philosophical positions taken in relation to the arts. Prerequisites: FA-231 or consent of instructor.

FA-431 (3) SURVIVAL IN THE ARTS SP/Odd Years

This course is an investigation of the practical applications of a degree in the Fine Arts including how to prepare a portfolio, audition tapes and an Arts resume. Prerequisite: FA-331 or consent of the instructor and student must be a Fine Arts major with no more than 12 hours remaining in his/her major requirements.

FIRST-YEAR SEMINAR (FY)

FY-101 (3) FIRST-YEAR SEMINAR All Years

In this active and collaborative learning environment student are challenged to think deeply about their interests, talents, values, aspirations, and goals-and to articulate all of this into a Personal Mission Statement. The declaration of a compelling reason why students have endeavored to graduate from UOG is interwoven into the recognition and development of effective life skills and the establishment and practice of strong academic skills. The semester will culminate with a common intellectual experience where students will read a resiliency memoir and develop their own narrative of resilience. This shared experience will create at UOG a shared knowledge, a shared language, a shared code of ethics, and most importantly a shared championing of the value of higher education.

GEOGRAPHY (GE)

GE-101 (3) INTRODUCTION TO GEOGRAPHY F/SP

This course is an introduction to the field and methods of geography, the characteristics, distribution and interactions of physical and cultural geographic elements. The elements include climate, vegetation, soils, topography, settlement and population, transportation and trade, industry and land use.

GE-201 (3) WORLD REGIONAL GEOGRAPHY F/SP/HYB

The study of human and physical aspects of world geography is covered in this course. Special emphasis is given to regions, continents, and major countries of the world and the relative geographic importance of those areas today.

GE-203 (4) PRINCIPLES OF PHYSICAL GEOGRAPHY SP

This course is primarily concerned with the principles and concepts of physical geography, and stresses the patterns and interrelationships of climate, vegetation, soils and landforms. Emphasis is placed on geographic processes, which have tropical and Pacific relevance. Three lecture hours and three-hour weekly laboratory or field trips.

GE-321 (3) ECONOMIC GEOGRAPHY F/HYB

This course is a world survey of significant agricultural, industrial, and commercial regions and patterns resulting from man's exploitation of resources with special emphasis on their relationships to Guam.

GE/AN-341 (3) CULTURAL ECOLOGY F/Odd Years

This course examines the linkages and interactions between human cultures and the environment, particularly of subsistence peoples in the tropics and the Pacific. Traditional and contemporary theories and approaches of human adaptation to and modification of the environment are examined. Prerequisites: GE-101, AN-101 or BI-157/157L.

GE-401 (3) GEOGRAPHY OF THE PACIFIC F/ HYB

The geography of the Pacific Basin and the western margins of the Pacific are surveyed in this course. Special emphasis is given to Guam and Micronesia.

GE-461 (3) CONSERVATION/ NATURAL RESOURCE MANAGEMENT F/Even Years

This course offers a study of the principles and problems of natural resource management and conservation with particular reference to Pacific islands and tropical resource systems. Lectures and readings stress an ecological approach and the role of environmental planning in land use management. Prerequisites: One 200 level GE course or consent of instructor.

GE/SO-475 (3)
**HUMAN ECOLOGY:
 PROBLEMS AND SOLUTIONS** F/Odd Years
 This course examines the relationship between human populations and their environments in the context of the functional interdependence involving population, environment, organization, and technology. Special attention is given to an examination of world population, geography, and an analysis of the causes, consequences and solutions to modern day social and environmental problems. Prerequisite: SO-101, SO-202, and MA-385, or consent of instructor.

GE-480 (3)
SPECIAL TOPICS IN GEOGRAPHY SP/HYB
 This course covers topics of interest in geography on physical and/or human geography subject matter. Current themes including natural resources, environment, climate change, GIS, remote sensing, culture, globalization, politics, economy, technology, sustainability and health may be explored for a defined region of interest within the Asia Pacific, within a historical context where indicated. Course may be repeated if topic is different.

HISTORY (HI)

HI-121 (3)
WORLD HISTORY I F/SP
 This course is a comprehensive study of world history from the formation of early complex societies to 1500.

HI-122 (3)
WORLD HISTORY II F/SP
 This course is a comprehensive study of world history from 1500 to the present.

HI-201 (3)
EARLY AMERICA F/SP
 In this course, students will survey the principal historical developments in the United States from colonial times to the end of Reconstruction in 1877.

HI-202 (3)
MODERN AMERICA F/SP
 In this course, students will survey the principal historical developments in the United States from the end of Reconstruction in 1877 to the present.

HI-211 (3)
HISTORY OF GUAM F/SP/DE
 This course surveys the political, socio-cultural, economic, and military history of Guam and its people since ancient times, reviewing historical changes through the eras of Spanish, Japanese and American colonial rule.

HI-243 (3)
HISTORY OF MICRONESIA F/DE
 This course is an introduction to the traditional and western history of the Micronesian islands.

HI-306 (3)
**MODERN AMERICAN MILITARY
 HISTORY (1914-present)** SP
 The subject matter of this course covers the growth and development of the United States Armed Forces from 1914 to the present, including the role of the American military in the preservation and development of the nation.

HI-308 (3)
THE HISTORIANS' CRAFT F
 This course introduced students to basic skills in the historian's trade, including the identification and analysis of primary and secondary source material, coverage of oral interviewing protocol, and an examination of some of the diverse theoretical approaches that inform historical reconstructions and interpretations of the past.

HI-313 (3)
**RESEARCH METHODOLOGIES
 IN HISTORY** F/Odd Years
 This course covers the analysis and use of historical sources, as well as an evaluation of historical research methods, and requires the completion of a substantial research paper. Prerequisite: HI308 or consent of instructor.

HI-371 (3)
HISTORY OF EAST ASIA TO 1600 F/Even Years/DE
 This course focuses on the characteristics of East Asian civilizations as they developed in pre-modern China, Japan, and Korea.

HI-372 (3)
HISTORY OF EAST ASIA SINCE 1600 SP/Odd Years/DE
 This course examines continuity and change in East Asia (China, Japan and Korea) since 1600.

HI-406 (3)
THE UNITED STATES IN RECENT TIMES F/Odd Years
 Students in this course explore the major social, economic, cultural, diplomatic, and political developments in the United States since 1945.

HI-409 (3)
DIPLOMATIC HISTORY OF THE UNITED STATES
 F/Even Years
 Covering the period 1898 to the present, this course examines the emergence of the United States as a world power, and the factors that influenced the conduct of America's foreign policy.

HI-420 (3)
TOPICS IN WESTERN HISTORY SP/Odd Years
 This course is an intensive study of a specific topic or problem in Western History. With different subject matter, the course may be taken more than once for credit.

HI-441 (3)
HISTORY OF THE PHILIPPINES F/Odd Years
 Students in this course survey Philippine history and society from earliest times to the present.

HI-444 (3)
**MODERN PACIFIC HISTORY FROM
1850 TO THE PRESENT** SP/Even Years
This course covers colonial and post-colonial rule in the Pacific.

HI-450 (3)
TOPICS IN PACIFIC HISTORY SP/Odd Years
This course is an intensive study of a specific topic or problem in Pacific History. With different subject matter, this course may be taken more than once for credit.

HI-455 (3)
TOPICS IN PRE-MODERN HISTORY
As Resources Permit
This course is an intensive study of a specific topic problem in Pre-Modern History. With different subject matter, the course may be taken more than once for credit.

HI-474 (3)
HISTORY OF MODERN JAPAN SP/Even Years
This course focuses on the political, social, diplomatic, and economic development of modern Japan from the beginning of the Tokugawa Shogunate (1603) to the present. Attention is also given to Japan's response to the West.

HI-476 (3)
HISTORY OF MODERN CHINA F/Odd Years
This course examines the transition from traditional to modern China. China's entry into the modern world, and China under the Communist regime.

HI-478 (3)
THE HISTORY OF MODERN KOREA
As Resources Permit
This course emphasizes the evolution of Korea from the Yi Dynasty (1392-1910) to the present.

HI-480 (3)
TOPICS IN ASIAN HISTORY
F/EVENYEARS-As Resources Permit
This course is an intensive study of specific topic or problem in Asian history. With different subject matter, the course may be taken more than once for credit.

HEALTH SCIENCES (HS)

HS-104 (1)
CONDITIONING AND FITNESS F/SP
This is a program of exercise designed to develop strength, endurance, flexibility, coordination and power supplemented by weight training and aerobic conditioning.

HS-105 (1)
STRENGTH TRAINING F/SP
This activity course is primarily concerned with the development of muscular strength and the concurrent reduction of total body fat through a safe, personalized program of weight training. In addition to discussion on proper form

and technique, the course considers the latest research findings on current topics such as steroid ingestion and protein supplementation.

HS-106 (1)
AEROBIC DANCE F/SP
This course offers fundamental instruction in exercise and physical fitness via fitness activities, with emphasis on regular, continuing and enjoyable participation. May be repeated for credit.

HS-111 (1)
BEGINNING TENNIS As Resources Permit
This course introduces the basic aspects of the game of tennis including grips, forehand and backhand ground strokes, forehand and backhand volley, overhead and service. Scoring, etiquette, and the rules used in singles play are also covered.

HS-121 (1)
VOLLEYBALL As Resources Permit
In this class dealing with the skills and fundamentals of volleyball, students are given the opportunity of developing the proper skills and techniques associated with volleyball and to participate in competitive games.

HS-122 (1)
BASKETBALL As Resources Permit
Students are introduced to the basic skills, rules and regulations used in the sport of basketball. Various types of offensive and defensive formations are explained and demonstrated during class. Proper techniques of warming-up, conditioning and nutrition are also covered. (The last four weeks of class consist of competitive games, i.e., five-on-five and two-on-two, where the students are able to apply the skills and techniques which they have learned in class.)

HS-131 (1)
BEGINNING SWIMMING As Resources Permit
This course is an introduction to swimming through instruction and development of basic swimming strokes and personal water safety skills for activities in or near the water. Opportunity is provided to complete the requirements of the Community Water Safety course and Level III or IV of the Learn-To-Swim Program of the American Red Cross.

HS-132 (1)
INTERMEDIATE SWIMMING As Resources Permit
This course offers instruction and development in five basic swimming strokes, diving and appropriate water safety skills for personal safety and for assisting in a water emergency. Opportunity is provided to complete the requirements of the Community Water Safety course and Level IV or V of the Learn-To-Swim Program of the American Red Cross. Prerequisite: Ability to jump into deep water, level off, swim the front crawl stroke for 15 meters plus demonstrate any back stroke for 15 meters.

HS-142 (1)

AIKIDO

F

This course covers rules, etiquette, basic roll, simple holds and breaking of such holds and offers special conditioning exercises.

HS-143 (1)

TAE KWON DO

SP

Tae Kwon Do, a Korean martial art, means roughly hand/foot art and is somewhat analogous to Japanese Karate. It contains an equal balance of philosophical, mental, and physical elements.

HS-144a-b (1-1)

FENCING

As Resources Permit

(a) This course is designed to acquaint the student with the art of fencing, to develop acknowledge of the sport, and to develop some of the basic skills of fencing. (b) Emphasis is placed upon improving basic skills and fundamentals of fencing.

HS-145 (1)

BEGINNING HATHA YOGA

SP

This course introduces the physical practices of yoga. Students are taught a series of stretching and breathing exercises designed to increase flexibility, agility and balance. The exercises also promote deep relaxation and help relieve tension and anxiety. Instruction is given in a manner that allows students at different levels of physical fitness to develop at their own pace.

HS-200 (3)

HEALTH AND WELLNESS

F/SP/DE

Health and Wellness is designed to introduce students to the concepts of physical fitness and wellness and the lifetime benefits provided through participation in an individualized program. Its lecture component provides an in-depth understanding of the hows and whys of health fitness as well as information most useful in helping students make healthful adjustments to their current lifestyles. The course also offers participation in an individualized exercise program with a choice of several different activities. Pre and post testing are done to determine improvement in the areas of cardiovascular fitness, muscular strength, flexibility, and body composition.

HS-210 (3)

HUMAN BIOLOGY AND BEHAVIOR

F

Understanding the basics of human biology and the relation between human biology and behavior is crucial for students, especially those in the allied health and human service professions. This is an overview course designed for undergraduate students who have no background in human biology and behavior. This course emphasizes core biological concepts as they relate to human behavior and health – how our bodies work, how our genes, environmental factors and disease - causing organisms affect our health. Special focus is on recent advances in biology, biological and behavioral development across the human

lifespan, human problems/illness and biology, public health and biology, and ecosystems.

HS-216 (3)

INTRODUCTION TO PUBLIC HEALTH

F

This course offers an overview of public health and the discussion of current topics, recent events and the most up-to-date key issues that affect the public's health. The major areas of public health are presented together with many of the applications to epidemiology, surveillance, environmental health, illness prevention, and public health policy making. Prerequisite: HS200.

HS/PE-322 (3)

KINESIOLOGY

F

Kinesiology is the study of the human body from the viewpoint of the physical sciences. It is an essential part of the educational experience of students of physical education, dance, sport, and physical medicine. The function of the course is to contribute not only to successful participation in various physical activities, but also to the improvement of the human structure through the intelligent selection of activities and the efficient use of the body. Prerequisites: Grade of C or better in EN-111 and BI-124-124L.

HS/PE-324 (3)

EXERCISE PHYSIOLOGY

SP

This course is designed to assist potential teachers and others involved in activity programs to be safely effective in the gymnasium and on the athletic playing field. Study focuses on how the body, from a functional standpoint, responds and adjusts to exercise. Both acute and prolonged (chronic) exercises, as used in exercise training, are considered. Prerequisites: Grade of C or better in EN-111, BI-124-124L, BI-125-125L or consent of instructor required.

HS-350 (3)

**TEST AND MEASUREMENT
IN HUMAN PERFORMANCE**

SP

Students are taught how to administer various tests designed to measure improvement in physical education in terms of health and physical services. The three areas of concern are current trends in health and physical education, the specific qualities to be measured, and the explanation of administrative procedures in the practical use of tests. Also covered is the careful use of tests to accurately examine the achievement of educational objectives.

HS/SW-355 (3)

HUMAN SEXUALITY

SP

This course offers a broad overview of human sexuality from a multidisciplinary perspective: the biological, psychological, sociological, and cross-cultural. It provides some of the most current information in the field today and the opportunity for students to reflect on their personal values, attitudes, beliefs, and behaviors regarding sexuality and to consider critical practice issues in his/her field.

HS-405/G (3)

EPIDEMIOLOGY SP

This course offers an overview of epidemiology and the epidemiologic approach to problems of health and disease. The major principles and methods of epidemiology are presented together with many of the applications of epidemiology to public health and clinical practice. Prerequisites: MA151 or have demonstrated equivalent knowledge and skills, HS-216 or consent of instructor.

HS/NU-416 (3)

RESEARCH IN NURSING AND HEALTH SCIENCES F

This course focuses on the research process and the use of research in nursing. The roles of the consumer of research, critical thinker, and leader in professional nursing are integrated through the use of the research process. Prerequisites: HS-405. Corequisite: MA-387 and MA-387L.

HS-451 (3)

RESEARCH AND REPORT WRITING SP

This is a follow-up course to HS/NU-416. Students will have the opportunity to use the work from HS/NU-416 to write a research paper, report, and/or proposal for a grant. Prerequisite: HS-416.

HS-491 (3)

CURRENT TOPICS IN HEALTH SCIENCES F/SP

This course focuses on selected topics that are not otherwise covered in depth in regular Health Science courses. Themes that are covered include community partnerships and advanced topics in Health Science. Key concepts from the general education requirements and basic health sciences are integrated in this course. With different topics offered, this course may be repeated for credit. Prerequisite: HS-216.

HS-498 (6)

INTERNSHIP IN HEALTH SCIENCES F/SP

The course is a supervised internship or field placement in the areas of exercise science and health promotion which is designed to provide opportunities for experiential learning at an advanced level. Students pursue professional assignments (minimum of 20 hours per week) with an agency or organization which provides services related to the students preparation in physical education. Prerequisite/Co requisite: Consent of instructor.

LINGUISTICS (LN)

LN-101 (3)

INTRODUCTION TO LANGUAGE F/SP/ HYB

Exploring the use of language (English in particular), this course is intended for students without any previous background in the study of language. The course focuses on different ways in which English may be formed and used by different people in different situations. It also serves as an introduction to the study of the sounds, words, and sentences of English and other languages.

LN-300 (3)

INTRODUCTION TO LINGUISTICS F/SP/HYB

This is an introduction to the nature and classification of language and to the methods used in contemporary linguistic science to analyze and describe languages, with attention to the practical application of linguistics. Prerequisite: EN-111.

LN-350 (3)

LINGUISTICS AND THE LANGUAGE ARTS F/HYB

This course examines the many perspectives from which language may be viewed. It is intended to give students a broad view of the nature, acquisition, uses, and misuses of language as well as to remind them of the connections between language, culture, and society. Prerequisite: LN-300 or consent of instructor.

LN-371 (3)

WORLD ENGLISHES F

This course examines the development of different varieties of standard English throughout the world. In the past half-century, English has exploded as the most widely used world language, and most of the users are non-native speakers. The result of worldwide contact with English, the evolution of English varieties, and cross-cultural similarities and difference in patterns of language use are addressed. Prerequisite: LN-300 or consent of instructor.

LN-385 (3)

STRUCTURE OF ENGLISH SP

LN385 presents a general description of the structure of Standard English. The course focuses on sentence structure, word formation, word choice, and other aspects of Standard English that most people refer to as grammar. The course is of special value for future and current English teachers who will be teaching English and its use to their own students. Prerequisite: LN-300 or consent of instructor.

LN-400 (3)

APPLIED LINGUISTICS F/SP

This capstone course provides the culminating experience for students in their exploration of linguistics by offering a multidisciplinary approach to issues related to language acquisition and teaching. Integrating and connecting key concepts and methodologies from previous linguistics courses, this course will focus on the applications of linguistics and its subfields to language and learning theories that support various teaching methodologies; individual and cultural differences that affect second language learning; stylistics and the use of literature in language pedagogy; language policy and language planning; as well as issues of bilingualism, multilingualism, and multiculturalism. Prerequisite: LN-300; senior status; or consent of the instructor.

LN-402 (3)

HISTORY OF THE ENGLISH LANGUAGE SP/ HYB

This course is an historical survey of the sound, structure, and syntax of the English language from 900 A.D. to the present. Prerequisite: LN-300 or consent of instructor.

LN-440 (3)**TOPICS IN LINGUISTICS****SP**

Courses included under this umbrella course provide undergraduate and graduate students with advanced study of specific topics within the study of language. These topics focus attention on language use, language analysis, and language learning. Special attention will be paid, where possible, to Pacific languages and cultures. The course may be repeated when topics vary. Prerequisite: LN-300 or consent of instructor.

LN-440b/G (3)**TOPICS IN LINGUISTICS: PRAGMATICS****F/SP/HYB**

Pragmatics presents an exploration of what we actually do with our language. Following a cross-cultural approach, the course analyzes the ways we use our language to do what we want it to do and say what we really mean in various contexts and situations. Prerequisites: LN-300 or consent of instructor.

LN-460 (3)**INTRODUCTION TO SOCIOLINGUISTICS****F**

This course is an introduction to current sociolinguistic studies. Emphasis is placed on the nature of the speech community, speech events, societal bilingualism, and language constraints. Additional emphasis is placed on practical application of basic sociolinguistic concepts. Prerequisite: LN-300 or consent of instructor.

LIBRARY SCIENCE (LS)**LS-310 (3)****CATALOGING AND CLASSIFICATION OF SCHOOL LIBRARY MATERIALS****F/Even Years**

This course introduces the purpose, theory and principles of cataloging and classification using Dewey Decimal Classification and Sears Subject Headings. It includes construction of a main catalog for the school library, including audiovisual materials and processing materials from acquisition to circulation.

LS-311 (3)**BUILDING SCHOOL LIBRARY COLLECTIONS****SP/Even Years**

This course covers intellectual, administrative, and practical aspects of building, maintaining and evaluating school library collections with particular reference to Guam and the Western Pacific. Topics include the writing and implementation of collection policies, community analysis and the needs of library users, strategies of selection and evaluation, analysis and evaluation of current reviewing media, school library standards, censorship, acquisitions procedures and management, library cooperation, copyright, contemporary publishing, and use of computers in acquisitions.

LS-312 (3)**SCHOOL LIBRARY/MEDIA ADMINISTRATION****SP/Odd Years**

This is an introduction to school library media center philosophy, organization, administration and the role of the center in the instructional program. It is a study of the routines, methods, and records necessary for the daily operation and supervision of the center. The course examines the role of the librarian and the principal-teacher-student relationship.

LS-314 (3)**SCHOOL LIBRARY METHODS: TEACHING AND****LEARNING IN THE SCHOOL LIBRARY****F/Odd Years**

This course covers objectives, methods, philosophy and role of the school library media center in supporting curriculum and instruction. It introduces techniques to assist teachers in selecting and utilizing appropriate materials for individual, small group, and large group instruction. It covers development of library skills instruction and literature appreciation programs.

LS-315 (3)**REFERENCE AND INFORMATION SOURCES****AND SERVICES****SP/Even Years**

This course is a survey of basic print and electronic resources appropriate to reference and information services for elementary and secondary schools. It provides practice in evaluation, selection and use of reference sources, and examines the role of the school library media center in teaching information literacy.

LS/ED-319 (3)**CHILDREN'S LITERATURE****F/SP**

This course emphasizes the reading and examination of all types of printed and audio-visual materials, a study of the history and development of children's literature, its value to the communication process, and the criteria for selection and utilization of books and closely related materials suited to the needs and tastes of elementary school children including exceptional children.

LS-320 (3)**YOUNG ADULT LITERATURE****SP/Odd Years**

This is a survey of books and audiovisual materials suitable for secondary school students with emphasis on current interests and materials. It is an introduction to basic aids for selection, as well as practice in techniques of reading guidance and promotional programs such as book talks, booklists, and film programs.

LS/ED-451 (3)**AUDIO VISUAL EDUCATION****F/SP**

This is a laboratory course in which instructional design and the selection, production, and utilization of media resources are studied. A survey of perception, communication and learning theories, as well as selected research studies applicable to the design of instructional systems are included. Prerequisites: ED-300 or consent of instructor.

LS/ED-452 (3)
COMPUTERS IN EDUCATION F
The course is designed to teach preservice and in-service teachers about microcomputers in education. It provides practical experience with computers, and aids students in learning the various types of software (applications, utilities, CAI/CMI) and their school and classroom uses. LOGO is taught. Issues involved in computer use in education are studied. No previous computer experience is necessary.

LS-453 (3)
MULTIMEDIA MATERIALS AND SERVICES
F/Even Years
This course is a survey of multimedia resources that supports learning and instruction in elementary and secondary schools. Examines policies and criteria for the selection, evaluation, acquisition, organization and maintenance of non-print media collections and electronic resources in school library media center. Prerequisites: ED-451 and LS-310 or consent of the instructor.

LEGAL STUDIES – CRIMINAL JUSTICE (LW)

LW-101 (3)
INTRODUCTION TO CRIMINAL JUSTICE F/SP
This course is designed to produce an understanding of the underlying purpose of law enforcement by analyzing the functions of the police officer, courts, penal institutions and attorneys. The course also provides a survey of the criminal justice system focusing on its purpose, problems and functions.

LW-106 (3)
PERSONAL LAW F/SP
Personal Law introduces basic legal principles and their application to everyday human relations.

LW-202 (3)
TRIAL AND EVIDENCE F/SP
This course examines criminal procedure from investigation through arrest and trial. The rules of evidence and constitutional requirements regarding police investigations, search and seizure, arrests, confessions and admissibility of evidence in criminal trials are covered.

LW-220 (3)
SECURITY MANAGEMENT IN BUSINESS AND GOVERNMENT F/SP
This course focuses on applying security management concepts and techniques to modern business and public sector operations. The course emphasizes security practices and crime control functions in a business and/or government environment.

LW-285 (3)
LEGAL REASONING, RESEARCH AND WRITING F/SP
This course examines legal theory and reasoning and its application to legal research and writing. In-depth legal analysis will be conducted and key skills in researching case law, statutes and other legal sources will be developed. The legal writing portion of this course will develop legal citation skills and the preparation and writing of legal briefs and law office memoranda.

LW-306 (3)
CRIMINAL LAW F/SP
The student studies the required elements of crimes under the common law and modern criminal statutes. Specific problems of application of the elements of crimes to law enforcement and the criminal justice system are emphasized.

LW-311 (3)
CORRECTIONAL SECURITY MANAGEMENT AND ADMINISTRATION F/SP
The rationale, procedures and problems underlying sentencing and the correctional process are analyzed. The course also focuses on problems of recidivism and future trends in criminal corrections.

LW-360 (3)
ADMINISTRATIVE PROCEDURE F/SP
This course prepares the paralegal to render legal assistance in the processes, procedures, and requirements established by administrative agencies through their enabling statutes and rules and regulations. Methods of informal and formal rulemaking and adjudication will be examined, as well as policy execution. This course will also explore administrative considerations in such areas as real estate transactions, procurement, bids, licensing, zoning, employment and program management are discussed.

LW-402 (3)
CONSTITUTIONAL LAW F/SP
This course provides the student with underlying principles of constitutional interpretation, government organization and functions, and the application of the Bill of Rights to criminal justice. Special problems of constitutional principles applied to the criminal justice system are dealt with through the study of U.S. Supreme Court cases.

LW-404 (3)
ADMINISTRATION AND MANAGEMENT OF CRIMINAL JUSTICE ORGANIZATIONS F/SP
This course examines the application of sound organizational theory and public administration and management practices in the criminal justice system. This course focuses on the interdependencies of the administrative systems of criminal justice agencies and strategies that are necessary for administrators to successfully manage these agencies.

LW-409 (a-e) (3)
PROBLEMS IN CRIMINAL JUSTICE (Senior Seminar)
F/SP

LW409 is a capstone course in the BSCJ degree program. This capstone course is the culminating experience that incorporates applied research and real-world applications in the field of Criminal Justice under the guidance of a major professor. This capstone course examines current problems in law enforcement and criminal justice at the territorial and national levels from an administrative perspective, including review and evaluation of solutions to current problems developed by police and other criminal justice agencies, academic disciplines and other sources. This course may only be taken in the students' graduating semester. Prerequisite: Consent of instructor. May be taken more than once, if topic is different. A. Current National Topics. B. Current Pacific Island Topics. C. Death Investigation. D. Major Crimes Investigations. E. International Crime.

LW-442 (3)
LAW AND ETHICS IN BUSINESS
AND GOVERNMENT **F/SP**

This course examines the rules of law governing business transactions. Topics covered include the American legal system: definitions, classifications, and sources of law; court systems and procedures; tort laws; laws of contract: essentials of enforceable agreements, operation, and discharge; law of sales; and the Uniform Commercial Code.

LW-443 (3)
BUSINESS LAW II **F/SP/DE**

This course covers law of agency and employer-employee relations including rights and liabilities of parties, and the termination of relationships; law of business organization: sole ownership, partnerships, and corporations; laws of negotiability, negotiations and discharge and debtors, creditors and bankruptcy. Prerequisite: LW442 with a C grade or better.

LW-480 (3)
CRIMINAL JUSTICE CAPSTONE **F/SP**

This course is the capstone of the Bachelor of Science Criminal Justice (BSCJ) degree program integrating concepts and skills learned in the BSCJ Foundation. This is an integrative, problem-solving course in which the knowledge gained in the major is applied to case studies where the students will evaluate and provide solutions to actual problems. There is special emphasis on a student's abilities to utilize critical thinking skills to analyze strategic trends in public administration and demonstrate proficiency. Prerequisites: a) Graduating seniors only; b) Completion of PA-405 and either PA-305 or MA-385; and c) Consent of the Instructor.

LW-490 (1-3)
SPECIAL PROJECT IN LEGAL STUDIES **F/SP**

This special research course is intended to provide Criminal Justice and Public Administration majors with the

contemporary principles and techniques of research in the principles of constitutional interpretation, government organization and functions, and the application of the Bill of Rights to criminal justice.

LW-498 (3)
LEGAL STUDIES INTERNSHIP **F/SP**

This course provides qualified students with the opportunity to gain experience in public and criminal justice administration. Students are placed in government agencies and related organizations and work under the supervision of a management official. Students must consult with the Internship Coordinator prior to enrolling.

MATHEMATICS (MA)

****NOTE: PLACEMENT IN FUNDAMENTAL MATHEMATICS IS DETERMINED BY SCORES ON THE UOG PLACEMENT TEST. STUDENTS PLACED INTO THIS COURSE SHOULD SEEK APPROPRIATE ADVISEMENT WHEN CHOOSING OTHER COURSES.**

MA-085a-b (3-3 NDUS)
FUNDAMENTALS OF MATHEMATICS **F/SP**

MA-085a-b is a two-semester sequence of courses that is a study of the fundamental concepts of high school mathematics, including arithmetic and algebra. Each course is lecture-based with laboratory sessions designed to provide the background necessary for advancement in mathematics. Each includes 3 lecture hours and 1.5 hours of laboratory for review /testing sessions weekly. MA-085a includes whole, decimal and signed numbers, fractions, ratios, percent, operations, equations and inequalities. MA-085b includes polynomials, factoring, rational and radical expressions, exponents and quadratic equations. A student may successfully complete either the MA085a~b sequence or the MA-089 course for non-degree-units (NDUs) but may not receive NDUs for completion of both MA085a-b and MA089. Grades for students in MA-085a must be C or better to enroll in MA-085b. Grades for students in MA-085b must be C or better to enroll in MA-110, MA-115, or MA-151. Prerequisite: Mathematics placement test.

MA-089 (5 NDU)
FUNDAMENTALS OF MATHEMATICS **F/SP**

This course is a study of the fundamental concepts of high school mathematics, including arithmetic and algebra. This course is lecture-based and designed to provide the background necessary for advancement in mathematics. It includes 5 lecture hours weekly. This is the combined course of MA-085a-b. Students must earn a grade of C or higher to enroll in MA-110, MA-115, or MA-151. Prerequisite: Mathematics Placement Test.

MA-110 (3)**BASIC MATHEMATICAL APPLICATIONS F/SP/HYB/DE**

This course explores the world of mathematical application for the management, life, and social sciences. It covers linear, quadratic, polynomial, exponential and logarithmic function and their applications to finance and economics. This course also provides an introduction to solving systems of linear equations, matrix operations, and a graphical treatment of linear programming. This course satisfies the GE requirement, but does not satisfy any prerequisite for higher level mathematics courses. It is intended for those students who have no further needs in mathematics. Prerequisite: Grade of C or better in MA-085b or MA-089, completed within the previous 3 semesters, or placement.

MA-115 (3)**INTRODUCTORY COLLEGE ALGEBRA
F/SP/ HYB/DE**

This course prepares students for MA-161a-b or MA-165. Topics include polynomial equations; radical expressions; systems of equations and inequalities; functions; inverse functions, graphing; rational, exponential, and logarithmic functions; and application problems. This course satisfies the GE requirement. It is intended for those students who continue their studies in mathematics after completing this course. Prerequisite: Grade of C or better in MA-085b or MA-089, completed within the previous 3 semesters, or placement.

MA-150 (3)**MATHEMATICS FOR ELEMENTARY
SCHOOL TEACHERS F/SP**

This course is intended for prospective elementary school teachers. The course provides elements of the mathematical content knowledge needed to understand and teach mathematics in elementary school. The course covers problem solving; the development of the numbers systems and operations; fractions, decimals and percent; the use of various manipulatives in teaching elementary mathematics; probability; statistics. It primarily focuses on geometry. Prerequisites: MA-115 and MA-151.

MA-151 (3)**INTRODUCTORY STATISTICS F/SP/DE**

This course presents statistical method as applied to the description and display of data, and to drawing conclusions from statistical data, and introduces the basic probability theory needed to understand use the techniques of elementary statistics. Prerequisite: Grade of C or better in MA-085b or MA-089, completed within the previous 3 semesters, or placement.

MA-161a-b (3-3)**COLLEGE ALGEBRA AND TRIGONOMETRY F/SP**

MA-161a includes algebraic, exponential and logarithmic functions, systems of equations and inequalities. MA-161b includes trigonometry, additional algebraic functions, sequences, series and probability. A student may receive credit for either the MA-161a-b sequence or the MA 165

course, but not a combination of the two. Prerequisite: Grade of C or better in MA-115 or Placement.

MA-165 (5)**PRECALCULUS F/SP**

Topics include algebraic, exponential and logarithmic functions; systems of equations and inequalities; trigonometry; sequences and series. A student may receive credit for either the MA-161a-b sequence or the MA 165 course, but not a combination of the two. Prerequisite: Grade of C or better in MA-115 or Placement.

MA-203 (5)**CALCULUS I F/SP**

This is the first semester of a standard calculus course. Topics include limits; continuity; the definition of derivatives; derivatives of algebraic and transcendental functions; product, quotient, and chain rules; applications; and Riemann Sums. Prerequisite: Grade of C or better in MA-161b or MA-165 or placement or equivalent.

MA-204 (5)**CALCULUS II F/SP**

This is the second semester of a standard calculus course. Topics include techniques and applications of integration, differential equations, power series, and Taylor series. Prerequisite: Grade of C or better in MA-203.

MA-205 (4)**MULTIVARIABLE CALCULUS F/SP**

This course covers the calculus of functions of several variables, including partial differentiation and multiple integration. It also covers introductory topics in vector calculus, including vector fields, line integration, Green's Theorem, and Stokes' Theorem. Prerequisite: Grade of C or better in MA-204.

MA-301 (3)**DIFFERENTIAL EQUATIONS SP**

This course covers the study of the fundamental concepts of differential equations with applications. Prerequisite: Grade of C or better in MA-204.

MA-302 (3)**FOUNDATIONS OF HIGHER MATHEMATICS SP**

This course provides a careful introduction to mathematical reasoning using definitions and proofs. Topics covered include set theory, logic and mathematical induction. Prerequisite: Grade of C or better in MA-205, or C or better in MA-341, or A- or better in MA-204.

MA-341 (3)**LINEAR ALGEBRA F/SP**

Topics covered include vectors, systems of linear equations, matrices, eigenvalues and eigenvectors, vector spaces, determinants and linear transformations. Prerequisite: Grade of C or better in MA-204, or A in MA-203.

MA-351 (3)
DISCRETE STRUCTURES **SP**
This course introduces the rigorous theoretical framework within which ideas about computer science can be expressed. Prerequisite: Grade of C or better in MA-204.

MA-361 (3)
NUMBER THEORY **SP/Even Years**
This course covers the study of the properties of integers, congruencies, Diophantine equations, prime numbers and residue classes. Prerequisite: Grades of C or better in both MA-205 and MA-302.

MA-375 (3)
NUMERICAL METHODS AND SOFTWARE
SP/Odd Years
This course is an introduction to such topics as interpolation, integration, solutions of linear systems of equations, solutions of linear and nonlinear equations, and solutions of ordinary differential equations. It includes the use of numerical software libraries. Prerequisite: Grade of C or better in MA-204 and MA-341, CS-201 or CS-202.

MA-385 (3)
APPLIED STATISTICS **F/SP/DE**
This course covers: statistical inference, sampling theory, hypothesis testing, correlation, and non-parametric statistics as applied to the social, life and physical sciences and to business. Prerequisite: Grade of C or better in MA-151 or equivalent course.

MA-387 (3)
STATISTICS FOR SCIENCES **F**
The topics include exploring data in graphs and in numerical values, introducing basic probability theory for statistics, sampling distributions, estimation theory, testing hypothesis, correlation, linear regression, variance analysis, and non-parametric statistics. The course consists of three hours of lecture weekly. The lab, MA-387L must be taken concurrently. Prerequisite: Grade C or better in MA-161A or higher. Students enrolled in MA387 Statistics for Sciences for credit may not also earn credit for MA-385 Applied Statistics.

MA-387L (1)
STATISTICS FOR SCIENCE LABORATORY **F**
MA387L is the laboratory part of MA387 and MUST be taken concurrently. The purpose of lab is to reinforce concepts learned in lecture, with an emphasis on translating familiar statistical problems into SPSS tasks. It emphasizes the principles and criteria for selecting the appropriate statistical techniques as well as making proper conclusions. Students will get hands-on experience applying the topics covered to real datasets. Corequisite: Must take MA-387 concurrently.

MA-392 (1-2)
LABORATORY TEACHING AND ASSISTING **F/SP**
This course provides for practical educational experiences

in teaching and assisting with developmental math classes. It may not be used for more than two upper division math elective credits. Prerequisite: Grade of B or better in MA-203 or consent of instructor.

MA-411 (3)
INTRODUCTION TO ABSTRACT ALGEBRA I **F**
This course offers a study of modern algebra with topics from group theory and ring theory. Prerequisites: Grades of C or better in MA-205, MA-302 and MA-341.

MA-412/G (3)
INTRODUCTION TO ABSTRACT ALGEBRA II **SP**
This is the second course in a two-semester sequence of introductory courses in abstract algebra. Topics covered include field theory, Sylow theorems, introductory Galois Theory, and some of advanced group theory, module and ring theory. Prerequisites: Grades of C or better in MA-411.

MA-421 (3)
INTRODUCTION TO ANALYSIS I **F**
This is the first course in a two-semester sequence designed to provide an introduction to the rigorous study of the foundations of calculus. Topics covered include the completeness of the real numbers, elementary topology, continuous functions, and numerical sequences and series. Prerequisites: A grade of C or better in MA-205 and MA-302.

MA-422 (3)
INTRODUCTION TO ANALYSIS II **SP**
This is the second course in a two-semester sequence designed to provide an introduction to the rigorous study of the foundations of calculus. Topics covered include differentiation, integration, sequences and series of functions. Prerequisites: A grade of C or better in MA-421.

MA-431/G (3)
TOPICS IN ADVANCED MATHEMATICS
As Resources Permit
This course offers selected topics in advanced mathematics such as topology, mathematical induction, non-Euclidean geometries. Different subject matter may be repeated for credit. Prerequisite: Grades of C or above in MA-205 and MA-302.

MA-441 (3)
MODERN GEOMETRY **As Resources Permit**
This course treats non-Euclidean and advanced Euclidean geometry. Prerequisites: Grades of C or better in both MA-205 and MA-302.

MA-451 (3)
INTRODUCTION TO PROBABILITY THEORY
F/Even Years
This course covers probability spaces; combinatorial analysis; independence and conditional probability; discrete and continuous random variables including binomial, Poisson, exponential and normal distributions; expectations; joint, marginal and conditional distribution functions; moment

generating functions; law of large numbers; central line theorems. Prerequisites: MA-151 or equivalent and grade of C or better in MA-302.

MA-453 (3)
OPERATIONS RESEARCH MODELS

As Resources Permit

Operations research models are designed to optimize, maximize, or minimize real world processes. Computer methods and packages are included for linear and dynamic programming, life and death processes, P.E.R.T.-C.P.M., trend analysis and queuing theory. Prerequisites: MA-341 and either MA-385 or MA-387 and MA-387L.

MA-460 (3)
NUMERICAL LINEAR ALGEBRA

As Resources Permit

The course covers topics such as numerical solutions to systems of linear equations; linear least squares problems; eigenvalue and eigenvector problems. Methods include Gauss-Jordan elimination, Seidel iterating, the QR algorithm, and linear optimization. It includes the use of numerical software libraries. Prerequisites: Grades of C or better in MA-205, MA-302, and MA-375.

MA-472 (3)
FOURIER SERIES AND BOUNDARY VALUE PROBLEMS
F/Even Years

This is the second course on the differential equations based on the multivariable calculus. Topics include Fourier series expansion, Fourier integral, and wave, heat and Laplace equations. Emphasis is placed on applications. Prerequisites grades of C or better in MA-205 and MA-301.

MILITARY SCIENCE (MSL)

Leadership laboratory is required for scholarship and contracted cadets.

MSL-101 (2)
INTRODUCTION TO THE ARMY AND CRITICAL THINKING **F**

This course focuses on introduction to the Army and critical thinking. It introduces students to the Army and the Profession of Arms. Students will examine the Army profession and what it means to be a professional in the US Army. The overall focus is on developing basic knowledge and comprehension of the Army Leadership Requirements Model while gaining a complete understanding of the Reserve Officer's Training Corps (ROTC) program, its purpose in the Army, and its advantages for the student. Cadets also learn how resiliency and fitness supports their development as an Army leader. Includes an optional weekly lab facilitated by MSL III and supervised by Cadre. Prerequisite: Full-time student

MSL-102 (2)
FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP **SP**

This course introduces Cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, time management, goal setting and communication. Cadets learn the basics of the communication process and the importance for leader's to develop the essential skills to effectively communicate in the Army. Cadets will begin learning the basics of squad level tactics that will be reinforced during a weekly lab facilitated by MSL III Cadets and supervised by Cadre. Prerequisite: Full-time student, MSL-101 or instructor consent.

MSL/PE-119 (3)
LEADERSHIP IN PHYSICAL CONDITIONING **F/SP**

Military conditioning with emphasis on leadership and leading small groups designed to progressively increase student physical fitness using U.S. Army physical conditioning methods and standards. This course is offered to all UOG students with no commitment to the Army ROTC program. Course will primarily be ability group oriented with emphasis on physical fitness goals and demonstrated abilities to lead physical training activities.

MSL-201 (2)
LEADERSHIP AND DECISION MAKING **F**

This course focuses on leadership and decision making. The course adds depth to the Cadets understanding of the Adaptability Army Learning Area. The outcomes are demonstrated through Critical and Creative Thinking and the ability to apply Troop Leading Procedures to apply Innovative Solutions to Problems. The Army Profession is also stressed through leadership forums and a leadership self-assessment. Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during an optional weekly lab facilitated by MSL III Cadets and supervised by Cadre. Prerequisite: Full-time student, MSL-101, MSL-102, or instructors consent.

MSL-202 (2)
ARMY DOCTRINE AND TEAM DEVELOPMENT **SP**

This course focuses on the Army doctrine and team development. The course begins the journey to understand and demonstrate competencies as they relate to Army doctrine. Army Values, Teamwork, and Warrior Ethos and their relationship to the Law of Land Warfare and philosophy of military service are also stressed. The ability to lead and follow is also covered through Team Building exercises at squad level. Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during an optional weekly lab facilitated by MSL III Cadets and supervised by cadre. Prerequisites: Full-time students, MSL-101, MSL-102, MSL-201, or instructor consent.

MSL-251 (2)
RANGER CHALLENGE TRAINING F
The Ranger Challenge training is a pass/fail course for any currently enrolled ROTC cadet. This course will challenge students to be proficient in military tactical skills while improving their physical fitness. This course will also instill confidence and challenge students to participate in the Ranger Challenge competition. Weekend training may be required. Travel lodging and meals for off-island competition provided at government expense. Prerequisite: Enrolled in ROTC program and instructor's consent.

MSL-252 (2)
PREPARATION FOR LEADER'S TRAINING COURSE (LTC) SP
The preparation training for LTC is a pass/fail course. Students will develop their leadership and basic military skills while improving their physical fitness level in preparation for the Leader's Training Course. This course is designed to increase self-confidence through group training and activities. Weekend training may be required. Prerequisite: Instructor Consent.

MSL-292 (6)
CADET INITIAL ENTRY TRAINING (CIET) SU
CIET is four weeks of intense classroom and field training held in the summer at Fort Knox, Kentucky. By transforming Cadets through this rigorous training, completion of MSL-292 qualifies a Cadet for entry in the Army ROTC Advanced Course, provided the Cadet has two years of college remaining (undergraduate or graduate). Cadets who attend this pass/fail course are given instruction on basic soldiering skills as well as basic leadership training evaluation. Travel, meals, and lodging provided at government expense. Prerequisite: Professor of Military Science (PMS) approval.

MSL-298 (6)
CADET PROFESSIONAL DEVELOPMENT TRAINING (CPDT) SU
The CPDT program supplements campus training with practical leader development experiences and some additional skill identifier awarding courses. This is a Pass/Fail course only. Cadets train in Army schools with Active and Reserve units. Examples include Basic Airborne Course, Air Assault School, Mountain Warfare School, Nurse Summer Training Program, and Cadet Troop Leader Training. Travel, meals and lodging are provided at government expense. Prerequisite: PMS consent.

MSL-299 (3)
INDIVIDUAL LEADERSHIP STUDIES FA/SP
Directed reading and research in a military science related areas of concentration in this pass/fail course. Students select materials based on instructor approval. A maximum of three (3) credits can be applied to the minor requirements in this course series. Prerequisite: MSL-101, MSL-102 or instructor consent.

MSL-301 (3)
TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS F
This course focuses on training management and the war-fighting functions. It is an academically challenging course where you will study, practice, and apply the fundamentals of Training Management and how the Army operates through the Warfighting functions. At the conclusion of this course, you will be capable of planning, preparing and executing training for a squad conducting small unit tactics. Includes a weekly leadership lab, participation in leading physical readiness training and a weekend field training exercise. This course utilizes peer facilitation overseen by ROTC Seniors, supervised by ROTC Cadre. Prerequisite: Full-time student, MSL-101, MSL-102, MSL-201, MSL-202 (or MSL-292), and Professor of Military Science approval.

MSL-302 (3)
APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS SP
This course focuses on applied Army leadership in small unit operations. It is an academically challenging course where you will study, practice and apply the fundamentals of direct level leadership and small unit tactics at the platoon level. At the conclusion of this course, you will be capable of planning, coordinating, navigating, motivating and leading a platoon in the execution of a mission. Includes a weekly lab, participation in leading physical readiness training, and a weekend field training exercise. This course utilizes peer facilitation overseen by ROTC Seniors, supervised by ROTC Cadre. Successful completion of this course will help prepare students for the Cadet Summer Training Advance Camp, which cadets will attend in the summer at Fort Knox, KY. Prerequisite: Full-time, MSL-101, MSL-102, MSL-201, MSL-202 (or MSL-292), MSL-301, and Professor of Military Science approval.

MSL-351 (2)
RANGER CHALLENGE LEADERSHIP COURSE F
The Ranger Challenge Leadership Course is a pass/fail course for any currently enrolled ROTC cadet. This course will challenge students to be proficient in military tactical skills while improving their physical fitness. Students at this level will serve in the leadership chain to junior MSL-251 students. This course will also instill confidence and challenge students to participate in the Ranger Challenge competition. Weekend training may be required. Travel, lodging and meals for off-island competition provided at government expense. Prerequisite: Enrolled in ROTC program and instructor's consent.

MSL-392 (6)
CADET LEADERSHIP COURSE SU
The purpose of the CLC is a five-week summer program to evaluate and train all Army ROTC Cadets. This course normally takes place between the junior and senior years and is of intense classroom and field training held in the summer at Fort Knox, Kentucky. Travel, meals, and lodging

provided at government expense. Prerequisite: MSL-302 and PMS approval.

MSL-398 (6)
CADET PROFESSIONAL DEVELOPMENT TRAINING (CPDT) SU

The CPDT program supplements campus training with practical leader development experiences and some additional skill identifier awarding courses. This is a pass/fail course only. Cadets train in Army schools with Active and Reserve units. Examples include Basic Airborne Course, Air Assault School, Mountain Warfare School, Nurse Summer Training Program, and Cadet Troop Leader Training. Travel, meals and lodging are provided at government expense. Prerequisite: PMS consent.

MSL-399 (3)
INDEPENDENT READING As required

Directed reading and research in a military science related area of concentration in this pass/fail course. Student selects materials based on instructor approval. A maximum of three (3) credits can be applied to the minor requirements in this course series. Prerequisite: PMS consent.

MSL-401 (3)
THE ARMY OFFICER F

This course focuses on development of the Army Officer. It is an academically challenging course where you will develop knowledge, skills and abilities to plan, rescue and assess training at the small unit level. You will also learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities. At the conclusion of this course, you will be familiar with how to plan, prepare, execute and continuously assess the conduct of training at the Army's company or field grade officer level. Includes a weekly lab overseeing MSL-301 (juniors) lesson facilitation and supervised by ROTC Cadre. This course requires cadets to participate in the physical readiness training and a weekend field training exercise. Prerequisite: MSL-101, MSL-102, MSL-201, MSL-202 (or MSL-292), MSL-301, MSL-302, and/or Professor of Military Science approval.

MSL-402 (3)
COMPANY GRADE LEADERSHIP SP

The course is an academically challenging course where you will develop knowledge, skills and abilities required of junior officers pertaining to the Army in Unified Land Operations and Company Grade Officer roles and responsibilities. This course includes reading assignments, homework assignments, small group assignments, briefings, case studies, practical exercises and an Oral Practicum. The Oral Practicum explores the cadet's knowledge of how you will be prepared for the Army Warfighting Challenges (AWFC) covered throughout the ROTC Advanced Course. Successful completion of this course will assist in preparing cadets for their Basic Officer Leaders Course and is a mandatory

requirement for commissioning as a second lieutenant. Includes a lab per week overseeing MSL III lesson facilitation and supervised by ROTC Cadre. Prerequisite: MSL-101, MSL-102, MSL-201, MSL-202 (or MSL-292), MSL-301, MSL-302, MSL-401 and/or Professor Military Science approval.

MODERN LANGUAGES

CI-101 (4)
ELEMENTARY CHINESE (MANDARIN) I
As Resources Permit/DE

This is a beginning course in Mandarin Chinese with emphasis on listening, speaking, writing and grammar.

CI-102 (4)
ELEMENTARY CHINESE (MANDARIN) II
As Resources Permit

This course is a continuation of CI101. Emphasis is on improving on and adding to the oral-aural competency gained in CI101. Reading in the Chinese language are also stressed, and more complex language structures and concepts are taught. Prerequisite: CI-102 or the equivalent skill level.

CI-201 (4)
INTERMEDIATE CHINESE (MANDARIN) I
As Resources Permit

This is the third semester of Mandarin Chinese. Emphasis is placed on advanced conversation, reading, and writing. Prerequisite: CI-101 and CI-102 or the equivalent skill level.

CI-202 (4)
INTERMEDIATE CHINESE (MANDARIN) II
As Resources Permit

This is the fourth semester of Mandarin Chinese. Emphasis is placed on advanced conversation, reading, and writing. Prerequisite: CI-101, CI-102, and CI-201 or the equivalent skill level.

CK-101 (4)
CONVERSATIONAL CHUUKESSE
As Resources Permit

The purpose of this course is to teach basic conversational skills in Chuukese to students who begin the course with little or no formal training in the language.

CK-210 (4)
NEW CHUUKESSE ORTHOGRAPHY
As Resources Permit

The purpose of this course is to teach the Chuukese new orthography to students with some oral proficiency in the language. Students taking this course are taught to spell words uniformly based on the Chuukese dialect spoken by most Chuukese. Prerequisite: CK-101 or permission of instructor.

CM-101 (4)
ELEMENTARY CHAMORU I F/SP/ HYB
This is a beginning course with emphasis on oral-aural competency.

CM-102 (4)
ELEMENTARY CHAMORU II SP
This is a continuation of CM101. Emphasis is on improving and adding to the oral-aural competency gained in CM101. Reading in the CHamoru language is also introduced, and more complex language structures and concepts are taught. Prerequisite: CM-101; two-year high school CHamoru, or consent of instructor.

FR-101 (4)
ELEMENTARY FRENCH I As Resources Permit
This is a beginning course with emphasis on grammar, conversation, reading, and French culture.

FR-102 (4)
ELEMENTARY FRENCH II As Resources Permit
This is a continuation of FR 101. It introduces students to further basic language skills. Prerequisite: FR-101 or equivalent.

GN-101(4)
ELEMENTARY GERMAN I As Resources Permit
This course includes a systematic coverage of the essentials of German, teaching communication by oral and written drills, reading practice, and listening experience. Selected text provides an introduction to German history and culture.

GN-102(4)
ELEMENTARY GERMAN II As Resources Permit
This is a continuation of GN101. It introduces students to further basic language skills. Prerequisite: GN-101 or equivalent.

JA-101 (4)
ELEMENTARY JAPANESE I F/SP/DE/ HYB
This course provides beginners with basic skills in listening, speaking, reading and writing in Japanese. Special Emphasis is on oral-aural skills.

JA-102 (4)
ELEMENTARY JAPANESE II F/SP/DE
This is a continuation of Elementary Japanese I with increasing emphasis on reading and writing skills. Prerequisite: JA-101 with a grade of C or better or equivalent.

JA-105 (4)
BUSINESS JAPANESE I As Resources Permit
This is an alternative second semester course for Elementary Japanese, introducing the student to the vocabulary and practices peculiar to doing business with Japanese. This course (like JA102) completes the GE requirement in language. Language lab required. Prerequisite: JA-101.

JA-201 (4)
INTERMEDIATE JAPANESE I F/Even Years

This is a course continuing the development of oral-aural, reading and writing skills begun at the elementary level. Prerequisites: JA-102 with a grade of C or better or equivalent, or demonstrated control of its content.

JA-202 (4)
INTERMEDIATE JAPANESE II SP/Odd Years
This is a course with emphasis on reading competency and further development of oral-aural skills. Prerequisite: JA-201 with a grade of C or better or equivalent or demonstrated control of its content.

JA-215 (4)
JAPANESE FOR TOURISM SP
This course is designed to develop Japanese Language skills and cultural knowledge for the use in the tourism industry on Guam. (JA215 can be taken to replace Elementary Japanese II, JA 102, to satisfy general education requirements.) Prerequisites: JA-101 with a grade of C or better or equivalent, or consent of instructor.

JA-217 (3)
JAPANESE CULTURE AND SOCIETY F
This course introduces some issues in contemporary Japanese society and examines how social and cultural factors influence social behaviors of the Japanese. A variety of videos will be used, as well as cultural demonstrations and guest speakers.

JA-301 (4)
THIRD YEAR JAPANESE I F/Odd Years
This course continues the emphasis on reading competency and further development of oral-aural skills. Prerequisite: JA-202 with a grade C or better or equivalent, or consent of instructor.

JA-302 (4)
THIRD YEAR JAPANESE II SP/Even Years
This is a continuation of Third Year Japanese I. Prerequisites: JA-301 or demonstrated control of its content.

JA-401 (4)
FOURTH YEAR JAPANESE I As Resources Permit
This is a course with primary emphasis on reading authentic Japanese materials, i.e., newspapers, magazines, novels, rather than material developed for instructional purposes. Prerequisites: JA-302 or demonstrated control of its content.

JA-402 (4)
FOURTH YEAR JAPANESE II As Resources Permit
This is a continuation of the reading of authentic Japanese materials. After completion of this course, the student should be able to read most Japanese publications. Prerequisites: JA-401 or demonstrated control of its content.

KO-101 (4)**ELEMENTARY KOREAN I** F/SP/DE

This is an introductory course in Korean language. Students study fundamental of the language, including listening, speaking, reading, writing, vocabulary, and grammar, develop oral communication skills in context and Korean cultural awareness.

KO-102 (4)**ELEMENTARY KOREAN II** F/SP/HYB

This is a continuation of KO101 Elementary Korean I. This course focuses on strengthening student's knowledge in Korean Language, including listening, speaking, reading, writing, vocabulary and grammar as well as developing context-base oral communication skills and increasing Korean cultural awareness. Prerequisite: KO-101 with a final grade of C or better in KO-101.

PN-101 (4)**CONVERSATIONAL POHNPEIAN** As Resources Permit

The purpose of this course is to teach basic conversational skills in Pohnpeian to students who begin the course with little or no formal training in the language.

SN-101 (4)**ELEMENTARY SPANISH I** F/SP/DE/ HYB

This is a beginning course with emphasis on grammar, conversation, reading, and Spanish culture.

SN-102 (4)**ELEMENTARY SPANISH II** F/SP/DE

This is a continuation of SN-101. It introduces students to further basic language skills. Prerequisite: SN101 or equivalent.

TA-101 (4)**CONVERSATIONAL TAGALOG I** F/SP

This is a beginning course, with emphasis on grammar, conversation, reading, writing and Tagalog culture.

TA-102 (4)**CONVERSATIONAL TAGALOG II** SP

This course is a continuation of TA-101. Further skills on grammar, conversation, and reading of Tagalog are covered.

TA-186 (4)**TAGALOG LANGUAGE WORKSHOP IN THE PHILIPPINES**
As Resources Permit

This is a travel course that builds on skills development in Tagalog 101, with emphasis on conversation, grammar, reading and writing of Tagalog, along with an emphasis on learning and understanding Philippines culture and history. Prerequisite: TA-101 and Consent of Instructor.

MUSIC (MU)**MU-101 (3)****MUSIC FUNDAMENTALS** F/SP

This course is an applied introduction to the fundamental elements of music. Students learn the basics of music reading, dictation, composition and score familiarization in this studio course through project work. Western musical literature and its instruments are surveyed.

MU-102 (3)**WORLD MUSIC** F

This course is an exploration into the music of various cultures of the world. A vast array of music will be heard from all continents except Antarctica. No previous music experience or music reading ability is necessary.

MU-104 (1)**UNIVERSITY SINGERS** F/SP

This is an auditioned mixed chorus with previous experience required. The goal is the preparation and performance of a wide variety of choral literature. Vocal technique, sight reading, and music theory appropriate to choral music are taught. Prerequisite: Audition. This course may be repeated for credit.

MU-105 (1)**BAND** F/SP

This is an auditioned instrumental ensemble with previous instrumental study and performance experience required. The goal is the study, preparation, and performance of standard instrumental ensemble literature. It may be repeated for credit. Prerequisite: audition and consent of instructor.

MU-106 (3)**INTRODUCTION TO MUSIC** F/SP/DE

This course is an introduction to perceptive listening covering musicians and styles of music from the Middle Ages to the present day. It is designed primarily for the general education program.

MU-110 (1)**CLASS VOICE** F/SP

This is an introductory course in singing. The fundamentals of vocal technique which apply to most styles of singing are taught. Music reading appropriate for the singer is also emphasized. It is recommended that MU-104 or MU-304 be taken concurrently.

MU-121 (2)**BEGINNING CLASS PIANO** F

This is the study of basic piano techniques and music fundamentals.

MU-122 (2)**INTERMEDIATE CLASS PIANO** SP

A continuation of MU121, this course covers additional piano techniques, sight reading skills and applied music theory. A variety of compositional styles is explored. Prerequisite: MU-121 or consent of instructor.

MU-160 (2)
MUSIC THEORY I **F/Odd Years**
This course is an introduction to elements of pitch and rhythm, triads and seventh chords, diatonic chords in major and minor keys, principles of voice leading, root position part writing, and harmonic progressions. Prerequisite: knowledge of music notation.

MU-161 (2)
MUSIC THEORY II **SP/Even Years**
A continuation of MU 160, this course covers triads and seventh chords in inversion, cadences, phrases, period forms, non-chords tones, use of the dominant seventh chord and other diatonic seventh chords, and part writing using inversions. Prerequisite: Completion of MU-160 with a "C" or better or consent of instructor.

MU-170 (2)
EAR TRAINING I **F**
This course is designed to improve music aural comprehension for music majors and minors. Ear Training I is predominantly concerned with the recognition of all intervals, common scales and modes and all triads. Computer software is used as part of the training. Some rhythmic dictation and sight singing is also part of this course. Instructor's permission required.

MU-171 (2)
EAR TRAINING II **SP**
This course is designed to improve music aural comprehension for music majors and minors. Ear Training II is predominantly concerned with the recognition of 7th and 9th chords, complex rhythms, melodic and chord transcriptions and advanced sight singing. Computer software will be used as part of the training. Instructor's permission required or successful completion of MU-170 Ear Training I.

MU-202 (2)
APPLIED MUSIC **F/SP**
This course consists of individual instruction in piano, voice, or another musical instrument. It may be repeated for credit. Prerequisite: Previous study of an instrument or voice and consent of instructor. Audition is required.

MU-260 (2)
MUSIC THEORY III **F/Even Years**
A continuation of MU161, this course covers secondary dominant chords, secondary leading tone chords, modulations, binary and ternary forms, mode mixture, the Neapolitan chord, augmented sixth chords and part writing. Prerequisite: Completion of MU-161 with a "C" or better or consent of instructor.

MU-261 (2)
MUSIC THEORY IV **SP/Odd Years**
A continuation of MU260, this course covers enharmonic spellings and modulations, ninth, eleventh and thirteenth chords, twentieth century practices, set theory, serialism, aleatoric and electronic music. Prerequisite: Completion of MU-260 with a "C" or better or consent of instructor.

MU-302 (2)
INTERMEDIATE APPLIED MUSIC **F/SP**
A continuation of MU202, this course offers individual instruction in piano, voice, or another musical instrument. It may be repeated for credit. Prerequisite: MU-202 and consent of instructor. Audition is required.

MU-304 (1)
UPPER DIVISION UNIVERSITY SINGERS **F/SP**
This is a concurrent upper division continuation of MU104 UNIVERSITY SINGERS. It may be repeated for credit. Prerequisite: An audition and at least junior class standing.

MU-305 (1)
UPPER DIVISION BAND **F/SP**
This is the study, preparation and performance of advanced instrumental ensemble literature. It may be repeated for credit. Prerequisite: MU-105 or consent of instructor.

MU-306 (1-3)
SPECIAL TOPICS IN MUSIC **SP/Odd Years**
This course offers intensive study of a specific topic in Music. It may be repeated for credit, with transcript showing the topic studied, e.g., Piano Pedagogy, Music History. Prerequisite: MU-101 or MU-106.

MU-310 (3)
MUSIC HISTORY I **F/Even Years**
This is a survey of masterpieces and composers of music from the Medieval Era through the Baroque Era. Prerequisite: MU161 or consent of instructor.

MU-311 (3)
MUSIC HISTORY II **SP/Odd Years**
This course is a survey of masterpieces and composers of music from 1750 to the present. Prerequisite: MU-161 or consent of instructor.

MU-315 (3)
INSTRUMENTAL TECHNIQUES **F/Odd Years**
This course is an applied introduction to woodwind, brass and percussion instrumental playing techniques, instrument maintenance, history methodology, pedagogy, and literature for solo and ensemble experiences. This course is designed to prepare students planning to teach in public school music programs. Prerequisite: MU-161 or consent of instructor.

MU-321 (3)
CONDUCTING **F**
The study and application of basic conducting skills are covered in this course. Prerequisite: MU-161 or consent of instructor.

MU-402 (2)
SENIOR RECITAL **F/SP**
This course offers individual instruction of an instrument or voice which requires the preparation, study and performance of a public senior recital. The recital should consist of at least three style periods and should be approximately forty minutes in length. Prerequisite: MU-302.

NATURAL SCIENCES (NS)

NS-101 (3)

INTRODUCTION TO PHYSICAL SCIENCE

As resources permit

This is a survey course in Astronomy, Physics and Science Measurements. It consists of three hours of lecture per week. The lab, NS101L, **MUST** be taken concurrently. Prerequisite: MA-085 a-b or MA-089 or equivalent. Corequisite: NS-101L.

NS-101L (1)

INTRODUCTION TO PHYSICAL SCIENCE LABORATORY

As resources permit

NS101L is the laboratory portion of NS101 and **MUST** be taken concurrently. The course consists of one three-hour laboratory per week. Corequisite: NS-101.

NS-102 (3)

INTRODUCTION TO PHYSICAL SCIENCE

As resources permit

This is a survey course in Geology, Chemistry, and Special Topics in Science. It consists of three hours of lecture per week. The lab, NS102L, **MUST** be taken concurrently. Prerequisite: MA-085 a-b or MA-089 or equivalent. Corequisite: NS-102L.

NS-102L (1)

INTRODUCTION TO PHYSICAL SCIENCE LABORATORY

As resources permit

NS102L is the laboratory portion of NS102 and **MUST** be taken concurrently. The course consists of one three-hour laboratory per week. Corequisite: NS-102.

NS-110 (3)

INTRODUCTION TO THE EARTH

As resources permit

This course is a basic study of the earth's minerals, rocks and natural resources and the processes, which have shaped the earth's surface such as sedimentation, mountain building, and erosion by water, wind, ice and downslope movements. Major focus is placed on the roles of volcanism, earthquakes, sea-floor spreading and paleomagnetism in explaining plate tectonic theory. The importance of geological hazards to man's activities is investigated. It consists of three hours of lecture per week. The lab, NS110L, **MUST** be taken concurrently. Corequisite: NS-110L.

NS-110L (1)

INTRODUCTION TO THE EARTH LABORATORY

As resources permit

NS110L is the laboratory portion of NS110 and **MUST** be taken concurrently. The lab includes mineral and rock identification, modeling of Earth structures, interpretation of field sites, and map interpretation. The course consists of one three-hour lab/field trip per week. Corequisite: NS-110.

NS-112 (3)

HISTORY OF THE EARTH

As resources permit

This course offers a fundamental view of the geologic history of the earth, including its origin, physical development, and evolution of life as revealed in the fossil record. Interrelationships between physical and biological events are stressed. Emphasis is placed on the principles and methods used by geologists to unravel earth history. The geologic history of the Mariana Arc and the western Pacific, associated with field trips on Guam, is included. It consists of three hours of lecture per week. The lab, NS112L, **MUST** be taken concurrently. Prerequisites: EN-110. NS-110-110L Introduction to the Earth is recommended. Corequisite: NS-112L.

NS-112L (1)

HISTORY OF THE EARTH LABORATORY

As resources permit

NS112L is the laboratory portion of NS112 and **MUST** be taken concurrently. The lab includes analysis of sedimentary environments, fossil identification, interpretation of field sites, and geologic map interpretation. The course consists of one three-hour lab/field trip per week. Corequisite: NS-112.

NS-230 (3)

INTRODUCTION TO ASTRONOMY

As resources permit

This introduction to astronomy covers topics relating to the solar system, the galaxy, stellar evolution, and cosmology. It consists of three hours of lecture per week. The lab, NS-230L, **MUST** be taken concurrently. Prerequisite: MA-110.

NS-230L (1)

INTRODUCTION TO ASTRONOMY LABORATORY

As resources permit

NS230L is the laboratory portion of NS230 and **MUST** be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: NS-230.

NS-330 (3)

METEOROLOGY

As resources permit

This is a course in atmospheric phenomena, methods and investigation, some of the methods of obtaining data and predictive weather, and an introduction to possible means of weather control. It consists of three hours of lecture per week. The lab, NS-330L, **MUST** be taken concurrently. Prerequisite: One year of university level physical science drawn from courses in chemistry and/or physics or consent of instructor. Corequisite: NS-330L.

NS-330L (1)

METEOROLOGY LABORATORY

As resources permit

NS-330L is the laboratory portion of NS-330 and **MUST** be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: NS-330.

NS-355 (3)

TOPICS IN GEOLOGY As resources permit

This course offers studies of selected topics in advanced geology, such as environmental geology, structures and plate tectonics, mineralogy, petrology, hydrology etc. With different subject matter, this course may be repeated for credit. The course involves three hours of classroom study per week. The lab, NS-355L, MUST be taken concurrently for some topics, to be specified. Prerequisites: NS-110-110L or NS-112-112L or consent of instructor. Corequisite: NS-355L (for some topics).

NS-355L (1)

TOPICS IN GEOLOGY LABORATORY

As resources permit

NS-355L is the laboratory portion of NS-355 and MUST be taken concurrently for some topics. The course consists of one three-hour laboratory/field trip per week. Corequisite: NS-355.

NS/AL-380 (3)

PRINCIPLES OF SOIL SCIENCE F

This course delves into the basic principles of the fundamentals of the chemical, physical, and biological properties of soils; their formation, fertility, and management, and the effects of inorganic and organic chemicals on soil processes and properties as they relate to environmental pollution. Two hours of lecture, one-hour recitation and three hours laboratory weekly. Prerequisites: MA-115 or higher and any two chemistry courses. Corequisite: NS/AL-380L.

NS/AL-380L (1)

PRINCIPLES OF SOIL SCIENCE LABORATORY F

This course is a corequisite of NS/AL-380 and must be taken concurrently. The course meets for three hours of laboratory weekly. Prerequisites: MA-115 or higher and any two chemistry courses. Corequisite: NS/AL-380.

NS/CH-392 (1-3)

LABORATORY TEACHING AND ASSISTING

As resources permit

This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisites: Completion of the course in which the laboratory is offered, or of an equivalent course and consent of instructor.

NS-491 (1)

SEMINAR As resources permit

This course is based on discussion of current problems, discoveries, and trends in the physical sciences, based primarily on student reviews of pertinent literature. May be taken more than once for credit with consent of program faculty. Prerequisite: Upper division standing and consent of program faculty.

NS-495 (3)

SENIOR THESIS

As resources permit

This course offers preparation of a thesis based on field and/or laboratory investigation of a subject chosen by the student from the physical sciences and approved by the Physical Science faculty. Although the thesis shall emphasize physical science, it may be interdisciplinary and involve engineering, biology, geography, etc. It is generally undertaken in the senior year but may be started in the junior year. Eligibility for this course is based on consultation with the faculty advisor. An oral presentation by the student is also required.

NURSING (NU)

NU-112 (2)

MEDICAL TERMINOLOGY F/SP/SU

This course introduces prefixes, suffixes, and root words used in medical language. A basic understanding of the language used in medicine and nursing will enable the health care professional or community member to communicate more effectively and efficiently with other members of the health professions. Analysis, spelling, pronunciation, and application of medical terms and abbreviations will be emphasized. This course is open to nursing majors as well as non-nursing majors. It may also be taken by restricted students.

NU-200B (3)

COMMUNICATION AND MENTAL HEALTH CONCEPTS F

This course introduces students to basic nursing concepts and the nursing process as applied to the individual client. Students learn the role necessary to attain and maintain health. Prerequisites: California Reading Test at 12th Grade Level or Greater, AN-101 BI-124-124L, BI-125-125L, CH-100-100L, CH-101-101L, CO-210, EN-111, PY-101, MA-151 acceptance to the pre-nursing level, and consent of instructor. Corequisite: NU-214, BI-225, BI-225L and ED-201.

NU-202B (4)

FUNDAMENTALS OF NURSING SP

This course introduces students to basic nursing concepts and the nursing process as applied to the care of individual clients. Students learn the role of the nurse as provider of care and basic skills necessary to attain and maintain health. Prerequisites: NU-200B, NU-214, BI-225-225L, ED-201 and consent of instructor. Corequisites: NU-203B, NU-204B, NU-205B, NU-207B and AL-185.

NU-203B (4)

FUNDAMENTALS OF NURSING PRACTICUM SP

This course applies the nursing process to the care of individual clients. Students demonstrate the role of provider of care and apply basic skills necessary to attain and main-

tain health in the clinical setting. Prerequisites: NU-200B, NU-214, BI-225-225L, ED-201 and consent of instructor. Corequisite: NU-202B, NU-204B, NU-205B and NU-207B and consent of instructor.

NU-204B (2)
HEALTH ASSESSMENT **SP**

This course focuses on assessment, which is the first step of the nursing process. Students learn and practice skills and techniques to assess physical, psychosocial, cultural, spiritual and developmental variables in well clients across the lifespan. Prerequisite: NU-200B, NU-214 ED-201, BI-225-225L or consent of instructor. Corequisite: NU-202B, NU-203B, NU-205B and NU-207B.

NU-205B (1)
HEALTH ASSESSMENT PRACTICUM **SP**

This course focuses on the laboratory and practicum component of NU-204B. Students apply assessment techniques within the laboratory or clinical settings. This course is taken concurrently with NU-204B or with consent of instructor. Prerequisite: NU-200B, NU-214 ED-201, BI-225-225L or consent of instructor. Corequisite: NU-202B, NU-203B, NU-204B and NU-207B.

NU-207B (2)
PHARMACOLOGY IN NURSING **SP**

This course presents the basic concepts of medication usage, dosage computations, and medication administration skills. The use of the nursing process when administering medications is presented. Prerequisites: BI-225-225L, ED-201, NU-200B, NU-214 and consent of instructor. Corequisite: NU-202B, NU-203B, NU-204B and NU-205B.

NU-212 (3)
EMPOWERMENT STRATEGIES FOR NURSING STUDENTS **F/SP/DE**

This course focuses upon empowerment strategies for college success, with an emphasis on particular skills and techniques critical to growth and success in the nursing curriculum. Students learn in-depth skills related to study habits, time management, stress management, and assertive communication, and are expected to apply this knowledge to nursing and other college courses. Students will have the opportunity to determine their individual learning goals and implement a plan to meet these goals. This course is open to pre-nursing majors and nursing majors. It may also be taken by restricted students.

NU-214 (1)
DOSAGE CALCULATION **F/SP,**

As resources permit

This course focuses on methods of calculating dosages for various drug forms and routes of administration, verifying accuracy of calculations and determining applicability of calculated dosages to route of administration and modes of delivering medications. Prerequisites: EN-111, MA-151 and consent of instructor. Corequisite: NU-200B, BI-225-225L, and ED-201.

NU-223 (1)
CLINICAL MENTORSHIP **SU**

The clinical mentorship course will provide an opportunity to increase students' clinical experience. Students will be assigned a nurse-mentor recommended by the various health facilities. This course is designed for intensive clinical training. Students will register for the course to earn 1 credit (45 hours). Prerequisites: NU-202, NU-203, NU-204, NU-205, NU-207 and Instructors consent.

NU-300S (3)
COMMUNICATION AND MENTAL HEALTH CONCEPTS **F**

This course focuses on establishing helping relationships through self-awareness, self-responsibility, and communication skills. Students apply theories of the emotions, crisis, stress, cultural diversity, and caring to client care. Prerequisites: AN-101, CO-210, EN-111, PY-101, admission to the second-step BSN program, and consent of instructor. Corequisite: ED-201.

NU-302B (6)
ADULT HEALTH NURSING **F**

This course focuses on interventions that restore and maintain health in the adult client system. The physiologic alterations discussed include physiological, sociocultural, spiritual, and developmental functions. This course will focus on medical-surgical nursing, specifically the care of the client with diseases of the respiratory, cardiac, hematology, renal, and musculoskeletal systems, and the client experiencing chronic illness, peri-operative nursing, and cancer. Prerequisites: AL-185, NU-202B, NU-203B, NU-204B, NU-205B, NU-207B, and consent of instructor. Corequisites: NU-303B and NU-310 or consent of instructor.

NU-303B (4)
ADULT HEALTH PRACTICUM I **F**

This course provides opportunities for the student to focus on the client with diseases presented in NU-302B. Students provide care for the adult client system in an acute care setting. Prerequisites: AL-185 NU-202B, NU-203B, NU-204B, NU-205B, NU-207B, and consent of instructor. Corequisite: NU-302B and NU-310.

NU-304B (6)
FAMILY HEALTH NURSING **SP**

This course focuses on contemporary concepts and theories about families. Students will apply the nursing process in the study of primary interventions and health promotion with continued consideration of secondary and tertiary interventions. Emphasis is on child bearing and child rearing families. Prerequisites: NU-302B, NU-303B, NU-310. Corequisites: NU-305B or consent of instructor.

NU-305B (4)
FAMILY HEALTH NURSING PRACTICUM **SP**

This course focuses on the application of contemporary concepts and theories about families. Students apply the nursing process in provision of primary nursing interven-

tions. Clinical experiences are in a variety of community and/or acute care settings with childrearing families. Prerequisites: NU-302B, NU-303B, NU-310. Corequisites: NU-304B, or consent of instructor.

NU-306S (2)
HEALTH ASSESSMENT **SP**

This course focuses on assessment, which is the first step of the nursing process. Students learn and practice skills and techniques to assess physical, psychosocial, cultural, spiritual, and developmental variables in well clients across the lifespan. Prerequisites: Enrollment in the Second-Step BSN program track, or RN/GN with consent of instructor. Corequisite: NU-307S, NU-324S, NU-325S or RN/GN employed in a clinical setting.

NU-307S (1)
HEALTH ASSESSMENT PRACTICUM **SP**

This course focuses on the laboratory and practicum component of NU-306S. Students apply assessment techniques within the laboratory and clinical settings. This course consist of one (1) laboratory and two (2) practicum hours per week, taken concurrently with NU-306S or with consent of instructor. Prerequisite: Enrollment in the Second-Step BSN program track, or RN/GN with consent of instructor. Corequisite: NU-306S, NU-324S, NU-325S, or RN/GN employed in a clinical setting.

NU-310 (3)
PATHOPHYSIOLOGY **F**

This course explores the basic physiologic mechanism of disease across the lifespan. Major pathophysiology concepts, with emphasis on assessment and analysis, pertinent to clients with an illness are presented. The focus of this course will be chronic illness, cancer, and diseases of the respiratory, cardiac, hematologic, renal, and musculoskeletal systems. Prerequisites: for Generic Program: NU-202B, NU-203B, NU-204B, NU-205B, NU-207B. SSBSN: Completion of basic nursing program, 6-8 Chemistry credits with lab, 6-8 Anatomy and physiology credits with lab, Microbiology with lab, AN-101, PY-101, EN-111, ED-201, CO-210 or permission of instructor.

NU-323/423 (1)
CLINICAL MENTORSHIP **SU**

The clinical mentorship will provide an opportunity to increase students' clinical experience. Students will be assigned a nurse-mentor recommended by the various health facilities. This course is designed for intensive clinical training purposes. Students will register for the course to earn 1 credit (45 hours). Course may be repeated with instructor approval. Prerequisites: NU-304, NU-305, and instructor's consent.

NU-324S (3)
PROFESSIONAL NURSING **SP**

This course serves as the transition or bridge course for the registered or graduate nurse to integrate previous nursing education with the philosophy of baccalaureate nursing

education. The emphasis is on the synthesis of nursing concepts and the nursing process within a theoretical base. In addition, this course serves to update the RN/graduate nurse student on current issues in practice, health care management, as well as ethical/legal and other professional issues. Prerequisites: EN-111, Chemistry 6-8 credits with lab, Anatomy and Physiology 6-8 credits with lab, microbiology with lab, AL-185, and NU-300S or equivalent. Corequisites: NU-306S, NU-307B, NU-325S.

NU-325S (3)
PROFESSIONAL NURSING PRACTICUM **SP**

This course is the clinical component for the professional application of the nursing process and nursing theory course. The nurse develops her/his experience to meet individual professional goals. Each student follows one or more families as a client system for the experience of assessing intrapersonal, interpersonal, and extra personal stressors and implementing primary, secondary and/or tertiary interventions. Prerequisites: Chemistry with lab, Anatomy and Physiology with lab, microbiology with lab, AL-185 and NU-300S. Corequisites: NU-306S, NU-307B, NU-324S.

NU-326 (2)
NURSING MANAGEMENT **SP**

This course focuses on issues and trends within the health-care system, including management and leadership styles. This course also covers professional development, ethical/legal situations, community resources, local and federal policies and licensure relevant to a beginning nurse. Prerequisite: NU-310. Corequisites: NU-302B, NU-303B, NU-304B, NU-305B or consent of instructor.

NU/AN/SO/SW-344 (3)
AGING: MYTH & REALITIES **F**

This course explores major issues and concepts pertinent to the study of the aging process (gerontology). The prevailing theories of the social/biological aging process and the economics, physical and psychological problems that might arise in late life are presented. Students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving.

NU-403 (3)
COMMUNITY HEALTH NURSING PRACTICUM **F**

This course focuses on application of the nursing process to address community health and psychiatric mental health. Emphasis is on primary, secondary, and tertiary intervention in institutional and community settings. Prerequisites: NU-302B, NU-303B, NU-304B, NU-305B, NU-310 or NU-324S, and NU-325S or instructor permission. Corequisites: NU-408, NU-409, NU-412, NU-416 or instructor permission.

NU-408 (3)**PSYCHIATRIC/MENTAL HEALTH NURSING F**

This course focuses on the use of the nursing process to foster mental health with individuals, families and groups exhibiting maladaptive behavior. Emphasis is on secondary and tertiary intervention in institutional and community settings using therapeutic communication, group therapy, and other modalities in collaboration with other care providers. Prerequisites: NU-302B, NU-303B, NU-304B, NU-305B or NU-324S, NU-325S or instructor permission. Corequisites: NU-409, NU-412, NU-403, NU-416 or instructor permission.

NU-409 (2)**PSYCHIATRIC NURSING PRACTICUM F**

This course focuses on application of the nursing process to the care of client systems in psychiatric mental health nursing. Emphasis is on primary, secondary, and tertiary nursing intervention in institutional and settings. Prerequisites: NU-302B, NU-303B, NU-304B, NU-305B, or NU-324S, NU-325S or instructor permission. Corequisites: NU-408, NU-412, NU-403, NU-416 or instructor permission.

NU-412 (3)**COMMUNITY HEALTH NURSING F**

This course presents principles of community health nursing. The focus is on primary, secondary, and tertiary interventions for client systems including individuals, families, aggregates and communities. Health care policy issues and political strategies are also addressed. Prerequisites: NU-302B, NU-303B, NU-304B, NU-305B, NU-310, or NU-324S and NU-325S, or instructor permission. Corequisite: NU-408, NU-409, NU-403, NU-416, or instructor permission.

NU-415 (3)**INDEPENDENT NURSING PRACTICUM SP**

This course provides practice in a specialty area of the student's choice. The student functions in the role of a beginning practitioner with supervision and guidance faculty and an expert nurse preceptor. Prerequisites: NU-403, NU-412, NU-416. Corequisite: NU-418, NU-419, NU-420.

NU/HS-416 (3)**RESEARCH IN NURSING AND HEALTH SCIENCES F**

This course focuses on the research process and the use of research in nursing. The roles of the consumer of research, critical thinker, and leader in professional nursing are integrated through the use of the research process. Prerequisite: HS-405. Corequisite: MA-387 and MA-387L.

NU-418 (3)**LEADERSHIP IN NURSING SP**

This course focuses on the nurse's role as leader and manager of client care within an organizational structure. Students and faculty will discuss the application of leadership and management theory in the practice setting. Prerequisites: NU-403, NU-412 and NU-416. Nurses in practice/leadership positions can take this course without being enrolled in the nursing program. Corequisites: NU-415, NU-419, NU-420.

NU-419 (1)**LEADERSHIP IN NURSING PRACTICUM SP**

This practicum course provides an opportunity for the student to apply leadership and management theory in a selected practice situation. Prerequisites: NU-412, NU-403, and NU-416. Nurses in practice/leadership positions can take this course without being enrolled in the nursing program. Corequisite: NU-418, NU-420, NU-415.

NU-420 (2)**TRENDS IN NURSING SP**

This course includes a comprehensive study of the major historical, social, political, and educational changes that have influenced the practice of nursing, nursing education, and health care. The focus of this course is on the ethical and legal problems affecting nursing care. Building from this overview, the students are prepared to meet the challenge of the rapidly changing environment in which nurse's practice. Prerequisites: NU-403, NU-412, and NU-416. Corequisites: NU-415, NU-418, NU-419.

NU-423/323 (1)**CLINICAL MENTORSHIP SU**

The clinical mentorship will provide an opportunity to increase students' clinical experience. Students will be assigned a nurse-mentor recommended by the various health facilities. This course is designed for intensive clinical training purposes. Students will register for the course to earn 1 credit (45 hours). Course may be repeated with instructor approval. Prerequisites: NU-304, NU-305, and instructor's consent.

PUBLIC ADMINISTRATION (PA)**PA-201 (3)****PUBLIC ADMINISTRATION IN GUAM AND IN THE WESTERN PACIFIC****F/SP**

This course examines the historical context of Public Administration institutions in Guam and in the Western Pacific and applies the concepts of efficiency, economy and effectiveness of the study, design and delivery of island public services. The course also examines public administration approaches, methods and techniques which can (a) contribute to a strengthening of managerial capacity and capability among government institutions in Guam and in the Western Pacific, and (b) improve and enhance the overall quality and accessibility of island public services. The course is designed to better prepare present and future public administrators for the challenges they face or will encounter in the public administration profession in Guam and in the Western Pacific.

PA-205 (3)**BASIC STATISTICS FOR BUSINESS AND ECONOMICS****F/SP**

This course is an introduction to the modern theory and methodology of statistics, which are then reinforced by using a scientific approach combined with a statistical software to

solve problems relevant to business, economics and public administration. The course is ideal as a prerequisite for taking BA-310 (Applied Statistics for Business and Economics) or PA-305 (Data Analysis in Public Administration). Prerequisite: MA-110 or higher with a grade of "C" or better.

PA-206 (3)
PUBLIC HEALTH AND DISEASE MANAGEMENT F

This course is an introduction to the history of public/private health care and the establishment of the present-day health care system. The class is designed to teach the conceptual difference between health and disease, wellness and sickness, and their changing patterns. Local and federal laws, policies, rules and regulations for the provision of physical and mental health, and social services are explored and analyzed. Special emphasis is placed on the ethical issues of health and social care.

PA-207 (3)
ADMINISTRATION OF HEALTH CARE SERVICES F

The course introduces the student to the management of contemporary health care and social services systems. It examines the structure and function of health care and social services institutions, including the historical developments and the political, economic, and socio-cultural issues that molded them. This knowledge is integrated into the organizational environment and dynamics of the local institutions and helps with the examination of their management practices. Various management styles and their effectiveness are analyzed and discussed.

PA-210 (3)
**PUBLIC ADMINISTRATION AND MANAGEMENT:
CONCEPTS AND APPLICATIONS** F/SP

This course covers the functioning of public administration and management in government structures; the history and environment of public administration and management in the U. S. and in the Government of Guam; the development and application of concepts, principles, and techniques of public administration and management in the public sector; and problems, issues, needs, achievements in public administration and management.

PA-215 (3)
**SUPERVISION IN GOVERNMENT
ORGANIZATIONS** F/SP/DE

This course examines the operations and structure of government organizations from a supervision point of view. The course instructs students in critical supervisory theories, techniques and skills necessary for attaining superior results and accountability in government and not-for-profit organizations. The course is designed to assist students in becoming effective supervisors in public organizations and presents supervisory concepts organized around various functions such as planning, organizing, directing and controlling. The course equips Public Administration, Criminal Justice and other students with the supervisory skills they will need for growth of professional competence in the public service.

PA-233 (3)
**IMPACT OF GOVERNMENT REGULATORY
ADMINISTRATION ON BUSINESS** F/SP

This course offers an overview and rationale of public policies and administrative regulations as applied to the private sector, analysis and implementation of public policies/regulations; substantive, methodological and practical problems and issues of public policies and regulatory administration toward business by Federal, State and Local government, and governments in the Asian-Pacific region.

PA-303 (3)
GOVERNMENT FINANCE F/SP

This is a survey of public financial administration; the budgetary process; the budget as an instrument of fiscal policy; sources of revenue; the procurement function; financial planning; and control.

PA-304 (3)
GOVERNMENT PUBLIC INFORMATION F/SP

This course covers the basic principles underlying public information and public relations activity and community relations practices of government; rudiments of techniques used in public information activity and public and community relations practices of government in dealing with the citizenry.

PA-305 (3)
DATA ANALYSIS IN PUBLIC ADMINISTRATION F/SP

This course provides students with basic research tools used in of public administration, criminal Justice, and other applied fields. Emphasis is given to data collection, analysis, and interpretation skills. Major topics include research methods and techniques to study planning, organizing, staffing, directing, reporting and budgeting. Applied policy research is the consistent theme for this course. Prerequisites: BA-130 with a C grade or better.

PA-306 (3)
HEALTH CARE PLANNING AND EVALUATION SP

This course is designed to teach the fundamental techniques, methodologies and political constraints of population-based planning for human services, with an emphasis on health. It explores the origins and purpose of planning and the planning process as a means of implementing social change. Existing planning policies are presented and analyzed with the objective of formulating an outline for a health or social plan for the community. Special emphasis is placed on the evaluation process. A local, national and international perspective of health and social planning is utilized in teaching this course.

PA-307 (3)
THE ECONOMICS OF HEALTH CARE SP

This course investigates the system of economics and the application of classical and modern economic theories to the health care field and social services organizations. During the course students investigate the decision-mak-

ing processes as they relate to financial health and social care resources management. The student also learns the nature and interpretation of financial reports.

PA/BA-347 (3)
LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY F/SP/SU

The course integrates personal leadership with collaboration and networking for organizational performance and societal gain. The course strengthens practical leadership and collaborative skills. Prerequisites: BA-240 (for BBA majors) or PA-210 (for PA majors).

PA/AL-401 (3)
COMMUNITY PLANNING SU

This course is an introduction to community planning; relationships of physical form to environment, function, aesthetic principles, cultural values, planning as a synthesis of a frame of reference based on economics, political, social, cultural, physical, and administrative factors.

PA-402 (a-e) (3)
PROBLEMS IN PUBLIC POLICY F/SP

PA402 is the Capstone Course in the BSPA degree program. The course examines the public policy process (i.e, formation, implementation, and evaluation) in public administration and governance and examines a broad range of substantive public policies (U.S. Federal, Guam, Regional, and International). The course also integrates a variety of basic policy techniques of analysis and the application of models in public administration to help better understand public-policy making and its impact on government and societal institutions. Students will learn practical tools in developing public policy and in concepts and techniques of policy development, analysis. The course will employ case studies to illustrate concepts and techniques of policy development, analysis, and debate. Students will utilize these tools in developing, analyzing, and presenting a final capstone public policy case study at the end of the course. Prerequisite: Graduating Senior. May be taken more than once, if topic is different. A. Policy Evaluation. B. Grant Administration. C. Fraud Examination D. Procurement E. Emergency Management.

PA-403 (3)
PUBLIC PERSONNEL ADMINISTRATION F/SP

This course covers the development and management of human resources; history of the Civil Service career system; training practices; human relations in supervision; Issues and cases in professional leadership ethics in SBPA disciplines with case study examples from the United States, Guam, Asia and the Western Pacific provides the framework for the course. Codes of conduct, clientele and organizational relationships, legal requirements and professional accountability are studied with a leadership ethics emphasis for the public and private sector.

PA-405 (3)
LEADERSHIP ETHICS IN THE PROFESSIONS F/SP
Issues and cases in professional leadership ethics in SBPA disciplines with case study examples from the United States, Guam, Asia and the Western Pacific provides the framework for the course. Codes of conduct, clientele and organizational relationships, legal requirements and professional accountability are studied with a leadership ethics emphasis for the public and private sector.

PA-420 (3)
PUBLIC FINANCE AND FISCAL POLICY F/SP
This course is a study of the manipulation of spending and tax revenue by governmental bodies in such a way as to affect the levels of output, employment, income, and prices in the economy; public financial administration; budgeting, procurement, planning, and control.

PA-480 (3)
PUBLIC ADMINISTRATION CAPSTONE F/SP
This course is the capstone of the Bachelor of Science Public Administration (BSPA) degree program integrating concepts and skills learned in the BSPA Foundation. This is an integrative, problem-solving course in which the knowledge gained in the major is applied to public administration case studies where the students will evaluate and provide solutions to actual problems. There is a special emphasis on a student's abilities to utilize critical thinking skills to analyze strategic trends in public administration and demonstrate proficiency. Prerequisites: 1) Graduating seniors only; b) Completion of PA-405 and either PA305 or MA-385; and c) Consent of the instructor.

PA-490 (3)
SPECIAL PROJECT IN PUBLIC ADMINISTRATION F/SP
This special research course is intended to acquaint Criminal Justice and Public Administration majors with the contemporary principles and techniques of research in these disciplines. Students organize and participate in a major or research endeavor focusing on Criminal Justice/ Public Administration topics dealing with Guam and the Asian-Pacific region.

PA-498 (3)
PUBLIC ADMINISTRATION INTERNSHIP F/SP
This course provides qualified students with the opportunity to gain experience in public and criminal justice administration. Students are placed in government agencies and related organizations and work under the supervision of a management official. Students must consult with the Internship Coordinator prior to enrolling. Prerequisite: Instructor's consent.

PHYSICAL EDUCATION/ SCHOOL HEALTH (PK-12) (PE)

PE-109 (3)

TECHNOLOGY IN PHYSICAL EDUCATION

As Resources Permit

This course provides students with an introduction to the types of technology utilized in physical education and health. Students learn to find and access search engines and data bases to create authentic assessments. Students also learn how to research and write grants to supplement and fund physical education/health budgets. Prerequisites: None.

PE-117 (3)

FOLK, SQUARE, AND SOCIAL DANCE F/Odd Years

This course includes the fundamental techniques and terms common to dance. Basic skills for educational dance programs are emphasized, to include, but not limited to world folk dances, American square and country/western line dances, and social/ballroom. Historical, multicultural concepts, and etiquette related to dance are included. Students will be introduced to basic style and choreography appropriate to each dance form.

PE-118 (3)

OUTDOOR PURSUITS AND RACQUET SPORTS SP

This course introduces the student to the basic concepts and skills of outdoor pursuits and racquet sports in the school setting. Emphasis is on the development of enjoyable and appropriate cooperative and competitive modes of behavior. This includes skill acquisition, explanation/demonstration of skills, appropriate progressions, safety, etiquette, and self-awareness. Attention is given to healthful approaches for vigorous lifetime physical activity. Prerequisite: NONE.

PE/MSL-119 (3)

LEADERSHIP IN PHYSICAL CONDITIONING F/SP

Military conditioning with emphasis on leadership and leading small groups designed to progressively increase student physical fitness using U.S. Army physical conditioning methods and standards. This course is offered to all UOG students with no commitment to the Army ROTC program. Course will primarily be ability group oriented with emphasis on physical fitness goals and demonstrated abilities to lead physical training activities.

PE-124 (3)

INDOOR INDIVIDUAL SPORTS F/Odd Years

This course provides students with opportunities to engage in various individual sports taught in the schools such as: badminton, tennis, bowling, fencing, archery, golf, and self-defense. Students learn how to plan developmentally appropriate activities and assess student performance toward learning objectives. Prerequisites: None.

PE-125 (3)

WILDERNESS SPORTS AND ADVENTURE EDUCATION As Resources Permit

This course provides students with opportunities to participate in physically challenging outdoor activities such as camping backpacking, canoeing, hiking, mountaineering, orienteering, and windsurfing. Students engage in initiatives where obstacles are contrived, and environments are created that challenges students to work with individuals and groups to solve problems. Prerequisites: None.

PE-126 (3)

OUTDOOR TEAM SPORTS SP/Odd Years

This course provides instruction in a variety of outdoor team sports that are included in the schools. Analysis of skills, drills, strategies and rules are addressed as well as lead-up games for different age groups and skill levels.

PE-127 (2)

INTRODUCTION TO TUMBLING AND RHYTHMIC GYMNASTICS SP/Even Years

This course introduces the student to the concepts and procedures for teaching basic tumbling and rhythmic gymnastics in a school setting. Emphasis is given equally to safety, skill acquisition, spotting techniques, explanation/demonstration of skills, and appropriate progressions for a tumbling program. Students are provided with the opportunity to acquire skills and spotting techniques for basic stunts, balances, and rhythmic gymnastics.

PE-212 (3)

MOTOR LEARNING F/Odd Years

This course provides students with an understanding of the processes that underlie human movement learning. Students learn how to assess performance and provide effective instruction that optimizes skill acquisition and performance.

PE-214 (3)

COMMUNITY HEALTH FOR EDUCATORS F/Even Years

This course provides students who are interested in teaching health in the 6-12 setting, an introduction to the various aspects of community health at the local, federal, and international levels. This course introduces students to the discipline of community health education and examines the social/political reasons why community health problems continue to exist. Students think critically on issues concerning the legislation and financing of health care services as well as view a community's health status as a part of a larger, global community. Prerequisites: HS-200.

PE-220 (3)

INDOOR TEAM SPORTS F/Even Years

This is a professional preparation course providing instruction in a variety of team sports that are included in the schools. Analysis of skills, drills, strategies and rules are addressed as well as teaching strategies for different age groups and skill level. Prerequisite: None.

PE-251 (3)**EDUCATIONAL GYMNASTICS, DANCE, AND GAMES****As Resources Permit**

This course provides students with an understanding of fundamental movement concepts that underlie educational gymnastics, dance, and games at the PK-12 levels. Students learn how to plan developmentally appropriate activities and assess student performance toward learning objectives. Prerequisites: None.

PE-305 (3)**HISTORICAL AND PHILOSOPHICAL FOUNDATIONS OF PHYSICAL EDUCATION****F/Even Years**

This course reviews the history of sport, fitness and physical education; the impact that events have had on their development; and how physical education, fitness and the use of sport is influenced by society. Emphasis is placed on philosophical perspectives and ethical values of this profession for the educator. Content is devoted to the study and understanding of sport and physical activity within numerous cultures throughout history to support diversity and help students consider the multiple perspectives expressed through the incorporation of sport and physical activity. This course includes discussion of current theories, philosophies, and practices in the profession.

PE-312 (3)**SCHOOL HEALTH****SP/Odd Years**

This course provides students who are interested in teaching health in the 6-12 setting, an in-depth understanding of personal health issues and health issues in general that affect students in the 6-12 setting. This course integrates the concepts of the Coordinated School Health Program (CSHP). Prerequisite: HS-200, PE-214.

PE/HS-322 (3)**KINESIOLOGY****F**

Kinesiology is the study of the human body from the viewpoint of the physical sciences. It is an essential part of the educational experience of students of physical education, dance, sport, and physical medicine. The function of the course is to contribute not only to successful participation in various physical activities, but also to the improvement of the human structure through the intelligent selection of activities and the efficient use of the body. Prerequisites: Grade of C or better in EN-111 and BI-124-124L.

PE/HS-324 (3)**EXERCISE PHYSIOLOGY****SP**

This course is designed to assist potential teachers and others involved in activity programs to be safely effective in the gymnasium and on the athletic playing field. Study focuses on how the body, from a functional standpoint, responds and adjusts to exercise. Both acute and prolonged (chronic) exercises, as used in exercise training, are considered. Prerequisites: Grade of C or better in EN-111, BI-124-124L, BI-125-125L, or consent of instructor required.

PE-326 (3)**SPORTS INSTRUCTION/ATHLETICS I****As Resources Permit**

This course provides students who are interested in sports instruction for individual and team sports at the elementary level, with an understanding of developmentally appropriate practices. This course specifically focuses on appropriate skill development, sport pedagogy, organization and administration, nutrition, and risk management specific to the elementary level. Observation and service learning experiences provide for application of classroom material. The course also prepares students to take the American Sport Education Program (ASEP) exam. Prerequisites: ED-201, PE-212, PE-352.

PE-352 (3)**METHODS OF TEACHING****ELEMENTARY PHYSICAL EDUCATION****F**

This course focuses upon planning, implementing, and assessing developmentally appropriate physical education, dance and health programs that meet national standards and the diverse needs of students in Pre-K-6 grade. Prerequisite: ED-201, ED-300, with grades of C or above.

PE-353 (3)**METHODS OF TEACHING MIDDLE AND HIGH SCHOOL HEALTH AND PHYSICAL EDUCATION****SP**

This course prepares the physical or health Teacher Candidate to develop and present physical education and health programs that meet the needs of all students in the secondary school setting including those with disabilities or health-related limitations. Attention is given to develop knowledge, skills and dispositions required to implement and assess developmentally appropriate secondary programs. Prerequisites: ED-201, ED-300, with a grade of C or better. Students must have been admitted to the Concentration in Teaching Physical Education.

PE-426 (3)**SPORTS INSTRUCTION/ATHLETICS II****As Resources Permit**

This course provides students who are interested in sports instruction for individual and team sports at the secondary level, with an understanding of developmentally appropriate practices. This course specifically focuses on appropriate skill development, sport pedagogy, organization and administration, nutrition, and risk management specific to the secondary level. Observation and service learning experiences provide for application of classroom material. The course also prepares students to take the American Sport Education Program (ASEP) exam. Prerequisites: ED-201, PE-212, PE-353.

PE/BA-446 (3)**ENTREPRENEURSHIP: NEW VENTURE CREATION****SP**

Provides an opportunity to develop a business plan through the application of the principles, theories and practices learned in the previous entrepreneurship courses. Emphasis will be placed on the practicability of the plan

and the ability to present the concept as a viable and profitable business venture.

PE-454/G (3)

**ADAPTED AND DEVELOPMENTAL
PHYSICAL EDUCATION**

SP/ Odd Years

This course emphasizes assessment, design, and implementation of physical education that meets the developmental characteristics and special needs of pre-school and school age children, youth, and adults including those with disabilities or health related impairments. Particular attention is paid to adaptations to instruction, equipment and facilities to accommodate and individualized PE instruction for students with disabilities in schools and participants in community settings. Prerequisite: ED-201, ED-300 with a grade of "C" or above.

PHYSICS (PH)

PH-210 (1)

INTRODUCTORY PHYSICS LABORATORY F

This course consists of experiments dealing with mechanics, heat, and sound. It acts as a laboratory for PH-251. It meets for three hours weekly.

PH-211 (1)

INTRODUCTORY PHYSICS LABORATORY SP

This course consists of experiments dealing with electricity, magnetism, optics, and atomic physics. It acts as a laboratory for PH-252. It meets for three hours weekly.

PH-251 (4)

UNIVERSITY PHYSICS F

This is the first of a two-semester course in general physics using applied calculus. Classical mechanics, heat and thermodynamics are considered. It includes four hours of lecture per week. Prerequisite: MA-203 or concurrent enrollment.

PH-252 (4)

UNIVERSITY PHYSICS SP

A continuation of PH-251, this course deals with classical electricity and magnetism, optics, wave motion and sound. It includes three hours of lecture per week. Prerequisite: PH-251.

PH-301 (3)

MECHANICS F/Odd Years

Mechanics is the study of static, kinematic, and dynamic principles. It includes four hours of lecture per week. Prerequisite: PH-252.

PH-305 (3)

THERMODYNAMICS SP/Odd Years

Thermodynamics includes the consideration of temperature, equations of state, heat, the first law, the second law,

entropy, thermodynamic functions, introduction to kinetic theory and statistical mechanics, and applications to related scientific areas. It consists of three hours of lecture per week. Prerequisite: PH-252.

PHILOSOPHY (PI)

PI-101 (3)

INTRODUCTION TO PHILOSOPHY F/SP/DE

This course introduces the student to the nature of philosophy and to philosophical thinking. Major areas of philosophical inquiry developed in Western and Eastern traditions are considered.

PI-102 (3)

CONTEMPORARY ETHICAL PROBLEMS F/SP/DE

This course provides a careful and critical examination of the moral issues in our society, such as abortion, euthanasia, sex roles, affirmative action, censorship of pornography, economic injustice, environmental control, and the treatment of animals. A brief introduction to some of the basic issues and theories in ethical thought is covered so as to better prepare the student to engage in ethical reasoning.

PI-103 (3)

INTRODUCTION TO ASIAN PHILOSOPHY F

This course introduces the student to philosophical thinking as it developed in the Asian traditions. The course covers schools of thought that developed in India, China, and Japan. Philosophical speculation that grew out of the Hindu, Buddhist, Jain, Confucian, Taoist, and Shinto religions is the principal focus of the class.

PI-210 (3)

INTRODUCTION TO LOGIC F

This is a philosophy methods course that provides an introduction to the study of formal and informal arguments. Skills to be covered include the identification and analysis of arguments, recognition of fallacies, and modern techniques for analyzing and symbolizing certain kinds of arguments.

PI-220 (3)

ETHICAL THEORY SP/DE

This is a philosophy methods course on ethical reasoning and an essential course for anyone interested in personal, social, or professional ethics. It examines classical and contemporary writings on such standard moral concerns as theories of moral conduct, moral education, and moral justification.

PI-301 (3)

HISTORY OF WESTERN PHILOSOPHY I

F/Even Years

This survey course provides an historical study of philosophical concepts and issues during the ancient, medi-

eval, and renaissance period. The focus of the course is on prominent Western thinkers and a study of the philosophical systems they devised and the problems that they addressed.

PI-302 (3)
HISTORY OF WESTERN PHILOSOPHY II
SP/Odd Years

This course is a continuation of the philosophical survey begun in PI301 covering principal issues and philosophical figures that dominate the modern and contemporary periods of philosophy. Emphasis again is on pivotal Western philosophers and their influence on the development of Twentieth Century philosophy.

PI-306 (3)
PHILOSOPHY OF RELIGION **SP/DE**

This course acquaints the student with the many topics central to the philosophy of religion. This objective is accomplished through surveying the historical writings of thinkers who have made major contributions to this area and covering the most recent discussions in the field of philosophical theology. The first section covers evidential list and anti-evidentialist attempts to support or discredit the religious hypothesis. Proofs of God's existence, the interrelationship between reason, faith, revelation, and science, God's attributes, the problem of evil, the nature of mysticism and religious experience, and reactions to theism are discussed.

PI/FA-331 (3)
PHILOSOPHY OF ART **SP/Even Years**

This course is a study of the major philosophical positions taken in relation to the arts. Prerequisites: FA-231 or consent of instructor.

PI-348 (3)
THANATOS: DEATH AND DYING **SP**

This course looks at the central social, psychological, theological, and philosophical issues associated with the phenomenon of death. The scope of this course is extremely broad so as to meet the widest range of student's needs and interests. While a significant part of the course touches upon relevant professional and moral aspects of treating dying patients in the medical profession, the course also surveys how philosophers and theologians throughout the world have speculated about death and the afterlife.

PI-480 (3)
SELECTED STUDIES IN ASIAN PHILOSOPHY **SP**

This course is dedicated to some specific tradition in Asian Philosophy. The Asian tradition studied will vary each time the course is offered. Examples include: Indian, Chinese, Japanese, Buddhist and Jaina philosophies. The course may be repeated for credit under different topics.

PI-481/G (3)
SELECTED TOPICS IN PHILOSOPHY **F/DE**

Each time this course is offered it covers one specific area of philosophy or one particular philosopher. Possible course topics include: Existentialism, Epistemology, Metaphysics, Environmental Ethics, Medical Ethics, Legal Ethics, the Philosophy of Samkara, and the Philosophy of Lao Tzu. The course may be repeated for credit under different topics.

PI-486/G (3)
TRAVEL STUDIES IN ASIA **SU/Odd Years**

Philosophy students and others interested in gaining a direct intensive exposure to Asian culture and philosophy will be interested in participating in this course. Each summer one of the faculty in the philosophy program takes a group of students into a particular Asian country of choice. At this time, destination of this course is planned to be either India, Tibet, China, or Japan. This course is invaluable for students who are specializing in Asian philosophy, though anyone could benefit from this unique opportunity to gain a direct encounter with one of these countries under the guidance of an expert in the culture and religion/philosophy of that particular country.

POLITICAL SCIENCE (PS)

PS-101 (3)
INTRODUCTION TO GOVERNMENT AND POLITICS
F/SP/DE

With emphasis on the democratic political system, this course is a study of political behavior, the role of government in society, and different forms of government in the world.

PS-202 (3)
GOVERNMENT IN THE UNITED STATES **F/HYB**

An analysis of the plan and structure of the federal system of the United States, this course places special emphasis on the meaning of democracy and ideas, form and values of political and economic institutions in the United States.

PS-215 (3)
INTERNATIONAL RELATIONS **SP**

This course presents a general framework in the study of international politics, examines the forces that motivate policy, the tools to promote foreign policy objectives, and international cooperation and conflict resolution.

PS-225 (3)
STATE AND TERRITORIAL GOVERNMENT **F/SP/HYB**

This course entails the analysis of U.S. State and Territorial Governmental systems, including the study of constitutionalism, federalism, separation of powers, civil rights, political parties, interest groups, political status, and political development. Emphasis is placed on the analysis of the structure and function of the Territorial Government of Guam.

PS-300 (3)
RESEARCH METHODOLOGY IN POLITICAL SCIENCE SP
This course introduces the methods and skills necessary to conduct research in political science. Students design and execute a research project in a substantive area of political science. Prerequisite: PS-101 and MA-151, or consent of instructor.

PS-302 (3)
COMPARATIVE POLITICS F/ HYB
The course provides students with the tools to undertake a comparative study of political processes and government institutions, with particular attention to democracies. Prerequisite: PS-101, or consent of instructor.

PS-304 (3)
POLITICS OF ASIA F
This course provides an introduction the political institutions, processes and problems of counties in Asia. Prerequisites: PS-101 or PS-202 OR consent of instructor.

PS-306 (3)
POLITICS OF DEVELOPING NATIONS SP/Odd Years
This course is a study of political development and change in "Third World" countries, understood to comprise the postcolonial societies of Asia-Pacific, Africa, Latin America and the Middle East. The course will examine the challenges of governance, cultural pluralism, and rapid socio-economic change with emphasis on the impact of colonial legacies and international political, ideological and economic influences. Special attention will be paid to the need of Small island developing states. Prerequisites: PS-101 or PS-215 or consent of instructor.

PS-307 (3)
COMPARATIVE POLITICS OF ECONOMIC DEVELOPMENT SP/Even Years/HYB
The course investigates the role of political decision in fostering or hindering economic development, with special emphasis on the experience of industrialization in Asia. Prerequisites: PS-101 and BA-110 or consent of instructor.

PS-310 (3)
REGIONAL AND INTERNATIONAL ORGANIZATIONS SP/Odd Years
This course discusses the origin, structure, and functions of regional and international organizations, focusing on the United Nations, the European Union, NATO, and the Association of South East Asian Nations. Prerequisite: PS-215, or consent of instructor.

PS-326 (3)
POLITICAL PHILOSOPHY F/DE
This course examines and analyzes the thought of political philosophers from classical antiquity to the present. The intent of the course is to explain what political philosophy is and to explore the relationship between politics and philosophy. Prerequisite: PS-101 or instructor's consent.

PS-398 (3)
INTERNSHIP F
This course provides an internship for student that will allow for the application of political science theory to practical work in the community. Placement in a government agency or non-government organization will be coordinated with the instructor. Prerequisites: PS-101 and junior standing, or consent of instructor.

PS-402 (3)
AMERICAN CONSTITUTIONAL DEVELOPMENT/LAW SP
This course is the study of the origin and adaptation of the United States Constitution as a principal factor in the development of the political system of the United States. Major U.S. Supreme Court cases are analyzed in their governmental context, particularly with regard to federal-territorial relations as they have impacted on Guam and Micronesia. Prerequisite: PS-101 or PS-202, or consent of instructor.

PS-403 (3)
UNITED STATES FOREIGN POLICY F/Odd Years
This course analyzes the factors and processes, and the major events in U.S. Foreign Policy formulation and implementation with emphasis on the Asian and the Pacific region. Prerequisite: PS-101, or PS-215, or consent of instructor.

PS-412 (3)
POLITICS OF MICRONESIA SP
This course explores government and politics in Micronesia. This course focuses on such concepts and themes as U.S. territorial policy and relations, political status, political/economic development, environmental policy, self-determination, political culture, political socialization, federalism. Prerequisites: PS-101 or PS-225 or consent of instructor.

PS-420 (3)
INTERNATIONAL LAW F/Even Years
This course examines the purposes, origins, adjudication, and enforcement of international law, in emphasizing the practical areas of transnational maritime, aviation, communications, and intellectual property law. Prerequisite: PS-215, or consent of instructor.

PS-426 (3)
AMERICAN POLITICAL THOUGHT SP/Even Years/HYB
This course examines political thought among Americans since independence. Specific topics may include American variation on liberalism and conservatism. Prerequisite: PS-101 or PS-202 or PS-326 or consent of instructor.

PS-440 (3)
INDIGENOUS POLITICS SP/Odd Years
This course traces the political relationship between indigenous and non-indigenous peoples as part of wider global relations among indigenous societies, colonial powers and contemporary national and international regimes and institutions. Students will gain an understanding of government policies and the responses to these practices by

indigenous peoples by critically evaluating the political frameworks and policy responses used to deal with indigenous-settler relations. This course will consider - among other topics - land, education, citizenship and identity, representation, social movements and self-determination, "Close the Gap" and recognition. Prerequisites: PS-225 or consent of instructor.

PS-482 (3)
SPECIAL TOPICS IN POLITICAL SCIENCE
FA/SP/HYB

This course is designed to cover important political issue of contemporary significance in various topics in (A) American and regional government, (B) Comparative government, and (C) International relations. This course may be repeated for credit under different topics. Prerequisites: PS-101 and either PS-300 or PS-302, or consent of instructor.

PS-492 (1)
CAPSTONE IN POLITICAL SCIENCE **F/SP**

This capstone course is taken by political science majors in their senior year. In this course, students "cap off" their education in political science by completing a research paper and public presentation. This course allows students to practice political science research methods and apply political science theories to a research project in American and regional government, comparative government, or international relations. Prerequisites: Senior standing and consent of instructor.

PSYCHOLOGY (PY)

PY-100 (3)
PERSONAL ADJUSTMENT **F/SP**

This is an applied introductory-level course intended to help students learn personal adjustment skills through a variety of experiential activities and projects. Students are encouraged to work together to create a supportive environment for addressing important psychological issues, such as self-concept, identity stress, anxiety, depression, loneliness, substance use, relationships, gender roles, sexuality, family, and culture. The course applies evidence-based techniques for modifying behavior to goals selected by the individual student. The course also focuses on behavioral health issues of regional significance, including risk of suicide, domestic violence, and substance abuse. The course addresses these issues in part by drawing on cultural strengths, protective factors, and forms of resilience that are unique to the Pacific Island region.

PY-101 (3)
GENERAL PSYCHOLOGY **F/SP**

This course provides an introduction to the basic principles of psychology, to methods for research in psychology, and to key findings from its subfields. Topics include the biological bases of behavior sensation and perception, consciousness and altered states, learning, human memory, problem-solving, motivation and emotion, development across

the life span, personality, stress and coping, psychological disorders, psychotherapy, and social behavior.

PY-201 (3)
CHILD DEVELOPMENT **F**

This course provides a scientific and up-to-date picture of child development in physical, cognitive, emotional and social areas from the prenatal period up to adolescence. The course examines the way children actually live, the current social conditions that influence their lives, and the practical applications of child development research and its relevance to the lives of children and their families in the Western Pacific region. Course material enables students to appreciate the developmental capabilities and needs of children at different ages and the role of culture in early child development. Prerequisite: PY-101.

PY-202 (3)
ADOLESCENT PSYCHOLOGY **SP/DE**

This course offers an overview of physical, cognitive, social and emotional development during adolescence. It introduces theory and research on contemporary social problems affecting adolescents and engages students in active research to explore these issues locally, regionally and nationally. Prerequisite: PY-101.

PY-210 (3)
INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY **SP**

This is an introduction to experimental design, methods, and statistics used in psychological research. Prerequisite: PY-101. Corequisite: PY-210L.

PY-210L (1)
INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LAB **SP**

This is the laboratory component of PY210. They MUST be taken concurrently. The lab meets for three hours each week. Students learn APA writing style, conduct experiments, analyze data, write reports, and present results. Prerequisite: PY-101. Corequisite: PY-210.

PY-304 (3)
LEARNING AND MOTIVATION **F/Even Years**

The investigation of learning and motivation involves the experimental study of the effects of experience on behavior and the organization of action in animals and humans. The course examines actions ranging from basic biological motives (e.g., eating, drinking, and sex) to complex human social motives (e.g., attachment and achievement). Important issues and theories in the control of actions will be considered through an exploration of different kinds of learning and the role of cognition and emotion in motivated behavior. Prerequisite: PY-101. Corequisite: PY-304L.

PY-304L (1)
LEARNING AND MOTIVATION LABORATORY **F/Even Years**

This is the laboratory component of PY304 and MUST BE taken concurrently. Students conduct experiments with

simulated and live animals to learn laboratory techniques and better understand seminal studies encountered in the didactic course. All students meet each week for one-hour general instruction and then coordinate with the instructor and group mates to condition animals for two more hours. Prerequisite: PY-101. Corequisite: PY-304.

PY-305 (3)
SENSATION AND PERCEPTION SP/Odd Years
Mechanisms of visual, auditory, gustatory, olfactory, and tactile experience are examined. Topic coverage includes: information processing by the vertebrate nervous system, basic concepts of psychophysics, stimulus coding and feature extraction by the sensory systems. Laboratory demonstrations and experiments are conducted, with students performing an independent project. Prerequisites: PY-101 and PY-210.

PY-309 (3)
HISTORY AND SYSTEMS OF PSYCHOLOGY F/Even Years
This course is a study of the historical development of modern psychology, of its foundation in the other sciences and philosophy, and of the people, ideas and theoretical systems that have been most influential in shaping contemporary psychological thought. Prerequisite: PY-101.

PY-342 (3)
THE PSYCHOLOGY OF CLOSE RELATIONSHIPS SP/Even Years
This course addresses how relationships form, change and end between friends, family members and romantic partners. Topics include interpersonal attraction; types of intimacy and love; sexuality in close relationships; parent-child and sibling relationships; friendship; fairness, selfishness and altruism; communication; social power; jealousy; conflict; ending relationships; loneliness; social networks; and therapy for relationships. This course emphasizes: 1) knowledge of theory and research findings in close relationships; and 2) developing one's own skills for creating and maintaining rewarding relationships. Prerequisite: PY-101.

PY-370 (3)
INTRODUCTION TO CLINICAL PSYCHOLOGY F
This course offers an examination of the methods and profession of clinical psychology, including history, theories, types of psychological problems, methods of assessment, forms of intervention, current development. Prerequisite: PY-101.

PY-404 (3)
COGNITIVE PSYCHOLOGY SP/Even Years
This course offers an examination of the major capacities and functions involved in human learning. Major topics discussed include historical background, verbal learning, language and thought, serial position learning, concept formation and forgetting. Prerequisite: PY-101.

PY-405 (3)
ANIMAL BEHAVIOR F/Odd Years
The investigation of animal behavior involves the comparison of behavior across a wide range of animal species. Emphasis will be on principles and phenomena in animal development, control of behavior, communication, feeding, reproduction, habitat selection, and mating systems. Evolutionary theory, as a framework for the adaptive character of behavior in animals and humans, is emphasized. Some semesters may involve intensive investigation of the behavior of a single animal species in the Micronesian region. Prerequisite: PY-101 or BI-158. Corequisite: PY-405L.

PY-405L (1)
ANIMAL BEHAVIOR LABORATORY F/Odd Years
PY-405L, is the Laboratory component of PY-405 and MUST be taken concurrently. The course meets for three hours per week. Students learn about animal laboratory procedures and basic phenomena by working with experimental animals and local critters. Prerequisite: PY-101 or BI-158. Corequisite: PY-405.

PY-413/G (3)
RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES F/DE
This course is an in-depth study of the scientific research process, and an application of its principles and techniques to proposing, designing, conducting and analyzing original research. Students demonstrate mastery of APA style and deliver research results orally and in written format. Prerequisite: PY-101, PY-210, and MA-385. Co-requisite: PY-413L.

PY-413L/G (1)
RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES LAB F
This course is the laboratory component of PY413. This lab must be taken concurrently. Students are expected to complete a list of project-specific reading, design an independent study, participate in data collection, analyze the data, and report the results in writing and orally. Prerequisite: PY-101, PY-210, and MA-385. Co-requisite: PY413/G.

PY-420/G (3)
ABNORMAL PSYCHOLOGY F/SP
This course covers the study of historical changes in theories and methods of treatment; theory of personality development; dynamics of adjustment; the symptoms, dynamics, therapy, and prognosis of various abnormal reaction patterns, both functional and organic; and modern theories and methods of diagnosis, therapy, and prevention. Prerequisite: PY-101.

PY-426/G (3)
PERSONALITY THEORY F/Odd Years
This course provides an intensive and comparative overview of the theories of personality from Freudian,

Neo-Freudian, Trait, Cognitive, Socio-behavioral, Existential and Humanistic perspectives. Major theorists' concepts and principles, assessment and techniques are examined within a cross cultural and ethnically diverse context. Prerequisite: PY-101.

PY-440/G (3)

SOCIAL PSYCHOLOGY

F

This course applies the scientific method to analysis of the behavior of individual people in social situations. Topics include aggression, attitude formation and persuasion, conflict resolution, conformity, gender roles, group decision making, interpersonal attraction, positive social behaviors, prejudice, social factors in the self- concept, social information processing, and applications of social psychology to social problems. Prerequisite: PY-101.

PY-442 (3)

CROSS-CULTURAL PSYCHOLOGY

SP/Odd Years

Cross-cultural psychology seeks to identify behaviors common to all human beings and differences in behavior caused by differences in culture. This course covers cross-cultural commonalities and differences in development, thinking and problem solving, perception, motivation, values, relations between the sexes, aggression, and organizational behavior. The course also covers recommendations for contact between members of different cultures. Prerequisite: A minimum of 3 credits in psychology at the 300 or 400 level.

PY/WG-455/G (3)

PSYCHOLOGY OF WOMEN

SP/DE

This course offers a study of women through feminist scholarship and research. It is designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies, including Micronesia. Areas covered include feminist scholarship and research; gender socialization, women's biology and (mental) health; sexuality; victimization and abuse; work career, and power issues. Prerequisite: PY-101.

PY-475 (3)

MICRONESIA AND MENTAL HEALTH

SP/Odd Years

This course offers an examination of mental health services and problems in Micronesia. Geography, political systems, health problems, peoples and cultures provide the context for a detailed examination of mental health and social change concerns within our region. Prevalence of psychiatric disorders within Micronesia, applications of psychological interventions to regional concerns, and Micronesian perspectives toward psychology are the primary focus of the course. Prerequisite: PY-101, PY-370, PY-420 or consent of instructor.

PY-491 (3)

PSYCHOLOGICAL RESEARCH SEMINAR

F/SP

This course gives students experience in conducting psychological research as collaborators in faculty-supervised investigations. Students complete a list of project-specif-

ic readings, participate in the planning and supervision of data collection, help to code and interpret data, and design proposals for further research in the topic area. This course may be repeated for elective credit. Prerequisites: PY-101 and the consent of the instructor. MA-151 is recommended.

PY-492 a-b (3-3)

PSYCHOLOGY PRACTICUM

a-F,b-SP

This practicum course in clinical psychology places students in a mental health or social service facility under the supervision of an approved practicum supervisor. Students are required to attend a weekly seminar on professional issues and ethics and minimally spend one day a week in a placement setting. This course is restricted to psychology majors. PY-492a and/or PY-492b may be repeated for elective credit. Prerequisites: PY-101, PY-370, PY-420 or consent of instructor.

SOCIOLOGY (SO)

SO-101 (3)

INTRODUCTION TO SOCIOLOGY

F/SP/DE

This course is a study of human society, its diversity, its nature, structure, and processes including foundations of culture, social interaction, social controls, social change and cross-cultural relations. Special emphasis is given to social processes in Micronesia and the Western Pacific.

SO-202 (3)

CONTEMPORARY SOCIAL PROBLEMS

F/SP/DE

"This course is a study of the nature and root causes of social problems. Topics include such problems as inequality, crime population, environmental degradation and poverty. Students develop skills in critically analyzing their world and understand the causes and solutions to contemporary problems regionally and internationally.

SO-203 (3)

INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS

F

This course gives undergraduate students experience in conducting quantitative and qualitative research on social issues relevant to the region. The course covers a wide range of topics dealing with processes, trends and approaches to basic research methodologies and designs found in the social sciences. The course examines the basic research methods of the social sciences, including causation, research design experimental designs, sampling data gathering techniques, data analysis and interpretation of research results. The course covers the structuring of social inquiry, conceptualization, operationalization, measurement, evaluation and presentation of first hand research. This course introduces students to the necessary tools needed for designing and implementing basic social science research. The rationale of this course is to introduce quantitative and qualitative empirical science to under-

graduate students. Prerequisites: EN-111, MA-110, SO-101 with a grade C or better or instructor's consent.

SO-221 (3)
SOCIOLOGY OF HEALTH AND MEDICINE F

This course introduces students to sociological perspectives of medical practice and health. We explore some of the major ways that health and medical practice are structured by global inequalities and by the inequalities of class, race, gender and nationality. We also explore how our everyday lives and identities are influenced by knowledge production in the field of medicine. The history of medicine and the medical profession will also be briefly explored.

SO/WG-230 (3)
MARRIAGE AND THE FAMILY F/SP

This is a comparative study of family relationships with special attention given to the social and cultural aspects of the family, mate selection, marriage adjustment, parental roles, and family stability. Prerequisites: SO-101 or consent of instructor.

SO-302 (3)
DEVIANCE AND SOCIAL CONTROL SP

This course offers a theoretical orientation into the study of deviance and relevant methodological consideration. It covers extent of and trends in different forms of deviance, a description of offenders and victims, the consequences of attempts at social control, and public opinion regarding various deviant acts. Prerequisite: SO-101 or SO-202 or consent of instructor.

SO-332 (3)
GLOBALIZATION AND HUMAN DYNAMICS SP/Even Years

This course examines representative peoples in various parts of the world with regard to selected themes concerning globalization and human dynamics. Themes explored may include ethnicity, multiculturalism, nation building, and tourism. Prerequisite: AN-101 or SO-101.

SO-342 (3)
SOCIOLOGY OF SEX AND GENDER F/Even Years

This course examines traditional and contemporary views of gender roles and life chances for men and women in a social and cross-cultural context. It examines what relations exist between men and women and how women and men contribute to, negotiate with, and explore gender and traditional definitions of masculinity and femininity. Prerequisites: SO-101 and SO-230 or consent of instructor.

SO/AN/NU/SW-344 (3)
AGING: MYTH & REALITIES F

This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economic, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the

older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving. Prerequisite: SO-101 or consent of instructor.

SO-350 (3)
DEVELOPMENT OF SOCIOLOGICAL THEORY – CLASSICAL F

Classical Sociological Theory examines the thought of sociologists from Auguste Comte, Karl Marx, Emil Durkheim and Max Weber through the writings of the Chicago School in the United States. These classical sociological writings are critically examined as to their present impact on theory today. Prerequisite: SO-101 or consent of instructor.

SO-351 (3)
DEVELOPMENT OF SOCIOLOGICAL THEORY – CONTEMPORARY SP

This course introduces students to scholars who have had a significant influence on the practice of sociological research since the post-World War II era. We explore major genres of contemporary social theory including: structuralism, constructionism, post-structuralism, post-modernism, feminism, critical race theory, queer theory, performativity and other approaches deemed relevant by the instructor. Students learn to critically evaluate the strength and weaknesses of various theoretical approaches as they make connections between social theory and research practice in sociology. The final project requires students to describe the theoretical approach(es) they plan to use in their final research project for the sociology capstone course. Prerequisite: SO-101.

SO-360 (3)
SOCIAL MOVEMENTS AND CHANGE SP

This course is the study of the nature and characteristics of society and the changes society is undergoing. Prerequisite: SO-101 or consent of instructor.

SO-386 (3)
JUVENILE DELINQUENCY AND CRIMINOLOGY SP

This course presents a critical evaluation of current theories of delinquency causation, a study of the juvenile court system and laws relating to juvenile offenders, an examination of institutional and non-institutional treatment programs, and an analysis of delinquency control and prevention. Prerequisite: SO-101 or consent of instructor.

SO-405/G (3)
COMMUNITY DEVELOPMENT SP/Odd Years/HYB

This is a study of applied sociology and anthropology, emphasizing social process and programs of planned change on the community level in parts of the world currently undergoing technical development. Prerequisite: SO-101/350 and MA-385, or consent of instructor.

SO-411 (3)**SOCIAL ISSUES IN MICRONESIA AND GUAM F**

This course provides the student with an in-depth sociological understanding of current issues and problems facing Micronesian society today, a part which is Guam. A critical examination of drug and alcohol abuse, family violence, crime, environmental issues, health disparities, political status, suicide economic disparity and development issues, and other relevant topics will be addressed. Prerequisites: SO-101, SO-203 or consent of instructor.

SO-414 (3)**RESEARCH METHODOLOGY IN SOCIOLOGY SP**

This course covers the structuring of sociological inquiry, conceptualization, measurement and operationalization, and the use of bibliography, reference tools and research methods in Sociology. Presentation and cooperative evaluation of research materials, methods, and projects are required. Prerequisites: SO-101, SO-350 or by consent of instructor.

SO-418 (3)**SOCIAL STRATIFICATION F**

This is a review of theory and research bearing on the institutional arrangement, individuals, roles and groups in hierarchical relationships known as systems of social stratification, with particular reference to differences between stratification in industrial and less developed societies. Prerequisite: SO-101 and MA-385, or consent of instructor.

SO-445 (3)**INEQUALITY AND IDENTITY F/Even Years**

This course is designed to raise awareness of the dynamics of race/ethnicity, class, and gender in the shaping of society. The course explores the problems of conflict and accommodation between groups in multicultural societies. It analyzes variations in levels of harmony and conflict between such groups. Students are required to carry out a research project analyzing some aspect of gender, class, or ethnicity in Micronesia. Prerequisites: SO-101, SO-202 or consent of instructor.

SO-455 (3)**SOCIOLOGY OF WOMEN F/Odd Years**

This course examines the ways in which gender and social structure shape conditions for women. In anticipating social structures and organizations that might influence women's lives, the course considers several areas such as the socialization of women, images of women, women in media, women and work, women and households, women and crime, and women and migration. Prerequisite: SO-101 and SO-230 or consent of instructor.

SO/GE-475 (3)**HUMAN ECOLOGY: PROBLEMS AND SOLUTIONS****F/Odd Years**

This course examines the relationship between human populations and their environments in the context of functional interdependence involving population, environment, organization and technology. Special attention is given

to an examination of world population, geography, and an analysis of the causes, consequences and solutions to modern day social and environmental problems. Prerequisite: SO-101, SO-202 and MA-385 or consent of instructor.

SO-480 (3)**SPECIAL TOPICS****F/SP/SU**

Special Topics Courses, such as the Sociology of Education, Sociology of Religion, Medical Sociology, Sociology of Government and Politics, etc. are offered intermittently as faculty resources permit. Students should keep aware of the current offerings in a given semester and plan their course selection accordingly. Prerequisites: SO-101, SO-350 and MA-385, or consent of instructor. This course may be repeated for credit as the topic changes.

SO-491 (3)**SOCIOLOGICAL RESEARCH SEMINAR SP**

This course gives students experience in conducting sociological research as collaborators in faculty-supervised research projects. Students will complete a list of readings that are specific to the research project, assist in project planning, research design, data collection, and data analyses. Students will also collaborate (where appropriate) in the preparation and presentation of research findings. Prerequisite: SO-101, SO-414, MA-385 or consent of instructor. May be repeated up to six credit hours.

SO-498 (1-6)**INTERNSHIP****F/SP/SU**

The internship program permits the student to utilize her/his academic experience in both the academic and non-academic realm through teaching assistantships, placement in financial, social service, health-related or other organizations in the community. Prerequisites: SO-101, SO-203, SO-350, or consent of instructor. May be repeated up to six credit hours.

SOCIAL WORK (SW)**SW-110(3)****INTRODUCTION TO COMMUNITY****SERVICES ON GUAM****F/SP**

This is a course designed to familiarize the student with services available in the local 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. Open to all students, including those on restricted status.

SW-201(3)**SOCIAL WELFARE AND DEVELOPMENT:****GLOBAL CHALLENGES****F/SP**

This introductory course critically examines social welfare and social work from an international and comparative 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.

SW-313(3)
RESEARCH METHODS FOR HEALTH AND SOCIAL SERVICES **SP**

This course offers an overview of research methods and their application in health and social service systems. Prerequisite: MA-151.

SW-330(3)
GENERALIST SOCIAL WORK PRACTICE METHODS I **F**

This is first in a series of four social work practice methods courses. Initially, the course offers a brief overview of theories underlying generalist social work with individuals, couples, families, groups, organizations, and communities. Subsequently the course emphasizes basic concepts, principles, and assumptions in working with individuals. These theoretical concepts are then applied to individual case studies, and students learn generalist social work skills through dynamic role-plays. Prerequisites: SW-201 or permission of instructor.

SW-331(3)
GENERALIST SOCIAL WORK PRACTICE METHODS II **SP**

This is the second in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and has a strong focus on skills development for working with a variety of groups in diverse settings. These generalist social work skills pertain in particular to group formation, group participation, group leadership, and group termination. Prerequisite: SW-201 or permission of instructor.

SW-332(3)
GENERALIST SOCIAL WORK PRACTICE METHODS III **F**

This is the third in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and emphasizes skills development for working with organization and communities. These generalist social work skills pertain to the analysis of organizing with multiple change agents towards positive social development. Prerequisites: SW-201 or permission of instructor.

SW-333(3)
GENERALIST SOCIAL WORK PRACTICE METHODS IV **SP**

This is the fourth in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and emphasizes skills development for working with families, couples and individuals. A broad range of assumptions, concepts, and principles are examined and applied in the development of generalist social work skills which are required to work effectively with families, couples, and individuals of diverse ethnic and

cultural backgrounds. Prerequisites: SW-201 or permission of instructor.

SW-344/AN/NU/SO (3)
AGING: MYTH & REALITIES **F**

This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economics, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history are discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving.

SW-345 (3)
SOCIAL JUSTICE **F**

This course examines the dynamics and consequences of social and economic injustice, including various forms of human oppression and discrimination. Students gain skills to promote social change and to implement interventions that advance individual and collective social and economic justice and combat the causes and effects of institutionalized form of oppression.

SW-350(3)
HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I **F**

This course explores the reciprocal relationship between human behavior and social environments. Students will learn to deal with the impact of the social environment on the development of the individual throughout the entire life course, from birth to death, including physical, emotional and intellectual changes, with an emphasis on Micronesian cultural influences and values. The particular emphasis of this course is from conception to young adulthood.

SW-351(3)
HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II **SP**

This course explores the reciprocal relationship between human behavior and social environments. Students will learn to deal with the impact of the social environment on the development of the individual throughout the entire life course, from birth to death, including physical, emotional and intellectual changes, with an emphasis on Micronesian cultural influences and values. The particular emphasis of this course is on adulthood and old age. Prerequisite: SW-350.

SW/HS-355 (3)
HUMAN SEXUALITY **SP**

This course offers a broad overview of human sexuality from a multidisciplinary perspective: the biological, psychological, sociological, and cross-cultural. It provides some of the most current information in the field today and

the opportunity for students to reflect on their personal values, attitudes, beliefs, and behaviors regarding sexuality and to consider critical practice issues in his/her field.

SW-400(3)
FIELDS OF SOCIAL WORK PRACTICE F/SP

Social workers are engaged in professional practice in diverse settings and work with different client systems. Each semester, this course examines the history, current policy issues and practice trends in a different field of social work practice. These fields of practice include: family and children's services, youth services, older adults, mental health, substance abuse, health care, disabilities, school social work, social work in the workplace (military social services, employee assistance), disaster relief, public welfare, criminal justice settings, and international social work. With different subject matter, SW400 may be taken more than once for credit. An annual schedule is developed based on an assessment of student interests, community need, and availability of faculty with expertise in the practice field. Please confer with a social work advisor regarding the annual schedule of SW400 course offerings.

SW-401(3)
COMMUNITY SERVICE LEARNING SP

This course is designed to assist students develop an awareness of the importance of service as a civic responsibility. The course provides upper division students the opportunity to link study in his/her major and community service so that the service makes the study immediate and relevant, and the study relates to and supports the service to the community. Students are placed in an approved non-profit civic organization after a determination is made of the student's areas of expertise and specific needs of the organization. Students contribute a minimum of 50 hours of volunteer work to complete an agreed upon project. This service component is complemented by 16 seminar hours where students meet with the instructor to discuss the readings in relation to their service learning. The course culminates with a Community Service Learning Symposium where the service contributions of students are showcased and future service learning opportunities are identified.

SW-406(3)
SOCIAL POLICY FA

This course focuses on the analysis of current social policy within the context of historical and contemporary factors that shape policy in U.S. territories. Attention is given to the political and organizational processes used to influence policy, the process of policy formulation, frameworks for analysis, and skills needed for policy practice.

SW-408(3)
ADVOCACY FOR SOCIAL JUSTICE SP

This course prepares students to actualize policy and advocacy in different contexts in order to improve social conditions and promote social justice and human rights.

SW-410 (3)
SOCIAL WELFARE AND SOCIAL DEVELOPMENT IN MICRONESIA F

This course considers the history of traditional and contemporary approaches to social welfare and social development in Guam and the region.

SW-480 (3)
FAMILY VIOLENCE SP/Odd Years

This course examines family violence and family resilience in Guam and the region from a cross-cultural, gender, and interdisciplinary practice perspective. Students learn about issues of family violence from the viewpoints of victims, member of their extended family, perpetrators, and those who intervene drawing from actual cases, practice experiences, and current data, information and research.

SW-485a (4)
FIELD INSTRUCTION F

Each student collaborates with his/her assigned field instructor to develop and carry out an individual learning contract for beginning generalist social work practice, through 210 field contact hours and 45 in-class seminar hours. It is restricted to BSW students.

SW-485b (4)
FIELD INSTRUCTION SP

Each student collaborates with his/her assigned field instructor to develop and carry out an individual learning contract for beginning generalist social work practice through 210 field contact hours and 45 in-class group supervision and seminar hours. It is restricted to BSW students. Prerequisite: SW-485a.

THEATER (TH)

TH-101 (3)
INTRODUCTION TO THE THEATER F/SP

This course introduces the study of theater. Course lectures include theater history and production practices. Attendance at University Theater production is mandatory. Active participation in one University Theater production, as cast or crew, is required. (Grading System: A-B-C-D-F-NC).

TH-102 (3)
ACTING I F/SP

This is an experiential-based course, which prepares students to acquire a crucial understanding of the art of acting and its relationship to dramatic art as a whole. A brief overview of the evolution of acting styles from a classical external-based approach to a modern internal-based approach may be introduced to further enhance the student's awareness and appreciation of the development of acting.

TH-105 (3)
STAGECRAFT F/Even Years

This is an introduction to stagecraft with practical work in the scene shop and on University Theater productions. It

consists of two one-hour lectures and one three-hour afternoon workshop each week.

TH-202 (3)
ACTING II **SP/Even Years**
Acting II is a continuation of TH-102. It offers continued work on character development, scene study, and moves into advanced improvisational techniques. Prerequisite: TH-102 (with grade of "B" or better) or Consent of Instructor.

TH-205 (3)
STAGE MANAGEMENT **F/Odd Years**
This is an introduction to the organization of live performing organizations and the effective management of performing artists. Students will analyze scripts, prepare prompt books and gain practical experience on a University Theater production.

TH-292 (1)
THEATER PRACTICUM **F/SP**
This course offers supervised participation in a University Theater production. Students gain practical experience while exploring the various areas of theater production. It may be repeated for credit. Prerequisite: Must be a Fine Arts/Theater major or minor or have consent of instructor.

TH-308 (3)
DIRECTING **F/Odd Years**
This course includes selecting, analyzing, casting and rehearsing a one-act play performed for a selected audience. Prerequisite: TH-202 or consent of instructor.

TH-315 (3)
SCENIC DESIGN **SP/Even Years**
This is an exploration of the principles and elements of theatrical design with an emphasis on scenery design and painting. Students will complete design projects, build models and work with paint elevation.

TH-316 (3)
LIGHTING DESIGN **SP/Odd Years**
This is an exploration of the principles and elements of theatrical design with an emphasis on lighting design and sound technology. Students learn the technology involved in live lighting and sound production and generate design projects.

TH-425 (3)
THEATER HISTORY I **F/Even Years**
This is a comprehensive survey of Western and Oriental Theater from earliest times to 1700.

TH-426 (3)
THEATER HISTORY II **SP/Odd Years**
This is a comprehensive survey of Western and Oriental Theater from 1700 to the present.

WOMEN AND GENDER STUDIES (WG)

WG-101 (3)
INTRODUCTION TO WOMEN AND GENDER STUDIES
F/SP/DE/HYB
This course provides an introduction to basic concepts and key issues in women and gender studies, utilizing a life-span approach. Topics include gender socialization and identity formation, sexuality, cultural representations, gender relations, family, work, class stratification, violence, constructions of masculinity, and oppression, as well as racial and cultural diversity.

WG-201 (3)
GENDER AND SOCIETY **F/DE**
Using the slogan, 'the personal is political' as a guiding principle, this course investigates some of the predominant trends in feminist research, thought and activism historically as well as in contemporary society focusing specifically on the dynamics of individual experience and collective activities.

WG/SO-230 (3)
MARRIAGE AND THE FAMILY **F/SP**
This is a comparative study of family relationships with special attention given to the social and cultural aspects of the family, mate selection, marriage adjustment, parental roles, and family stability. Prerequisites: SO-101 or consent of instructor.

WG/EN-323 (3)
LITERATURE BY WOMEN **F/DE**
This course explores representative literature by women around the globe and across time. The course reading covers a variety of literary forms which may include the novel, short story, poetry and such non-fiction as essays, journals, and diaries. Students acquire an understanding of these various literary forms and how women writers have used them to express religious, political, social and philosophical concerns. They also are introduced to a growing body of feminist literary theory. This course allows students to gain an understanding of the social-historical place of literature by women. Prerequisite: EN-111; any 200-level literature course or consent of instructor.

WG-380 (3)
WOMEN, POLITICS AND POLICY **F/Even Years**
This course examines the ways in which gender structures the arena of politics and shapes our understanding of it. Students learn how the meaning of "politics" is articulated and transformed by women in different settings at the local, national, regional and international levels. Prerequisite: PS-101 or WG-101.

WG-391 (3)
SELECTED STUDIES IN WOMEN AND GENDER STUDIES **F**
This course is dedicated to a specific in-depth investigation of an area of women and gender studies. The course

content will vary each time the course is offered and can be taken more than one for credit. Examples include: masculinity, women and art, gay/lesbian/transgender cultures, women's memoir and life-writing, gender and popular culture, gender and international development, and women, labor and the economy. Prerequisite: WG-101.

WG/PY-455 (3)

PSYCHOLOGY OF WOMEN **SP/DE**

This course offers a study of women through feminist scholarship and research. It is designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies, including Micronesia. Areas covered include feminist scholarship and research; gender socialization, women's biology and (mental) health; sexuality; victimization and abuse; work career, and power issues. Prerequisite: PY-101.

WG-461/G (3)

PACIFIC WOMEN WRITERS **SP/Odd Years**

This course entails an intensive study of representative works of Pacific Women Writers to acquaint students with the contours of this emerging literature in terms of styles, themes, symbols, images, language, politics, and subject. Students will gain an understanding of the place of this literature in the larger context of Pacific Literature, Women's Literature, Minority Literature and Contemporary Literature in English. Prerequisite: EN-111; Any 200-level literature course or consent of instructor.

WG-490 (3)

**SPECIAL PROJECTS: WOMEN
AND GENDER STUDIES** **F/SP**

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UOG General Education (GenEd) Course Articulation Matrix (2018)

University of Guam		Guam Community College (GCC)		College of the Marshall Islands (CMI)		College of Micronesia - Federated State of Micronesia (COM-FSM)		Northern Marianas College (NMC)		Palau Community College (PCC)	
UOG Course	UOG Course Title	GCC Course	GCC Course Title	CMI Course	CMI Course Title	COM-FSM Course	COM-FSM Course Title	NMC Course	NMC Course Title	PCC Course	PCC Course Title
Competency / Breadth of Knowledge		Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents	Courses listed here may fulfill area requirement, but are not direct course equivalents
Tier I: Core Foundation (15 credits)											
Written Communication	EN110	Freshman Composition (3cr)	Freshman Composition (3cr)	EN112 (formerly EN102)	English Composition II (3cr)	EN120a	Expository Writing I (3cr)	EN101	English Composition I (3cr)	EN112	Freshman Composition (3cr)
Oral Communication	CO210	Fundamentals of Communication (3cr)	Introduction to Human Communication and Speech (3cr)			ENCO205	Speech Communication (3cr)	CO210	Fundamentals of Communication (3cr)		CO110 Introduction to Communication
Quantitative Reasoning	MA110	Finite Mathematics (or higher MA*) (3cr)	MA161A College Algebra & Trigonometry I (4credits); MA161B College Algebra & Trigonometry II (4 credits)			MS101	College Algebra and Trigonometry (3cr)			MA111	College Algebra (3cr)
Information Literacy	EN111	Writing for Research (3cr)	Writing for Research (3cr)	ENG220 (formerly ENG121)	Writing Research Papers (3cr)	EN120b	Expository Writing (3cr)	EN202	English Composition II (3cr)		
Critical Thinking	CT101	Critical Thinking									

UOG General Education (GenEd) Course Articulation Matrix (2018)

University of Guam		Guam Community College (GCC)		College of the Marshall Islands (CMI)		College of Micronesia - Federated State of Micronesia (COM-FSM)		Northern Marianas College (NMC)		Palau Community College (PCC)	
UOG Course	UOG Course Title	GCC Course	GCC Course Title	CMI Course	CMI Course Title	COM-FSM Course	COM-FSM Course Title	NMC Course	NMC Course Title	PCC Course	PCC Course Title
Competency / Breadth of Knowledge		Courses listed here may fulfill area requirement, but are not direct course equivalents		Courses listed here may fulfill area requirement, but are not direct course equivalents		Courses listed here may fulfill area requirement, but are not direct course equivalents		Courses listed here may fulfill area requirement, but are not direct course equivalents		Courses listed here may fulfill area requirement, but are not direct course equivalents	
DIVERSITY FOUNDATION: SCIENCE TECHNOLOGY ENGINEERING AND MATH (STEM) 1	AL101/L	Introduction to Agriculture and Lab (4cr)				SCI101	Introduction to Agriculture				
	AL102/L	Introduction to Plant Science and Lab (4cr)	SI110 & SI110L (3+1cr)								
	AL109/L	Insect World (4cr)	SI103 & SI103L Lab (3+1cr)								
	AL136/L	Science of Aquaculture (4cr)				SCI225	Principles of Aquaculture				
	BA130	Introduction to Computers and Applications									
	BI100/L	Environmental Biology (4cr)				SCI220	Introduction to Biology				
	BI103/L	Marine Biology (4cr)				SCI335	Introduction to Marine				
	BI201	Natural History of Guam (3cr)									
	CH100/L	Introduction to Inorganic Chemistry (4cr)									
	CH101/L	Introduction to Inorganic Chemistry (4cr)									
	CH102/L	General Chemistry (4cr)				SCI230	Introduction to Chemistry				
	CH103/L	General Chemistry (4cr)									
	CS200	Computer Applications and Lab									
	GE203/L	Principles of Physical Geography (4cr)									
	MA115	Introduction to College Algebra (3cr)									
MA151	Introductory Statistics (3cr)										
PA205	Data Analysis and Statistics in Business and Government										
Theme 1: Science & Math (Take 3 to 4 Credits)											

Tier II: Breadth through Diversity & Direction (16 Credits)

UOG General Education (GenEd) Course Articulation Matrix (2017)

Competency / Breadth of Knowledge	University of Guam		Guam Community College (GCC)		College of the Marshall Islands (CMI)		College of Micronesia - Federated State of Micronesia (COM-FSM)		Northern Marianas College (NMC)		Palau Community College (PCC)												
	UOG Course	UOG Course Title	GCC Course	GCC Course Title	CMI Course	CMI Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	COM-FSM Course	COM-FSM Course Title	NMC Course	NMC Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	PCC Course	PCC Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents								
DIVERSITY FOUNDATION: SCIENCE TECHNOLOGY ENGINEERING MATH (STEM) 2	AL101/L	Introduction to Agriculture and Lab (4cr)				SCI101	Introduction to Agriculture																
	AL102/L	Introduction to Plant Science and Lab (4cr)	S1110 & S1110L	Environmental Biology & Lab (3+1cr)								BI101	Principles of Marine Biology										
	AL109/L	Insect World (4cr)	S1103 & S1103L	Introduction to Marine Biology & Lab (3+1cr)																			
	AL136/L	Science of Aquaculture (4cr)					SCI225	Principles of Aquaculture	MRI20	Marine Biology with Lab (4cr)						SCI109	Principles of Plant Science; BI201 Natural History of the Mariana Islands; BI251 Human Anatomy and Physiology I; SC110						
	CF230	Human Nutrition and Health (3cr)	HL202	Nutrition (3cr)					CA112	Intro to Human Nutrition (3cr)						SC119	Introduction to Physical Science						
	AN203	Introduction to Archaeology															SC239	Natural History of Palau; AG111					
	BI110/L	Human Biology (4cr)					SCI110	Anatomy and Physiology I; SCI210									AG111	Introduction to Tropical Agriculture; AG219 Crop Protection					
	GE101	Introduction to Geography							SS120	Intro to Geography (3cr)													
	HS200	Health & Wellness (3cr)																	HP180	Personal & Social Health; HP181 First Aid/CPR			
	PI210	Introduction to Logic (3cr)																					
	PS215	International Relations (3cr)																					
	PY101	General Psychology							SS/PY101	General Psychology (3cr)											SS129	Introduction to Sociology	
SO101	Introduction to Sociology (3cr)							SS130	Intro to Sociology														
SO221	Sociology of Health and Medicine																						

Tier II: Breadth through Diversity & Direction (16 Credits)

Theme 2: Human Science (Take 3 to 4 credits)

UOG General Education (GenEd) Course Articulation Matrix (2017)

University of Guam		Guam Community College (GCC)		College of the Marshall Islands (CMI)		College of Micronesia - Federated State of Micronesia (COM-FSM)		Northern Marianas College (NMC)		Palau Community College (PCC)		
UOG Course	UOG Course Title	GCC Course	GCC Course Title	CMI Course	CMI Course Title	COM-FSM Course	COM-FSM Course Title	NMC Course	NMC Course Title	PCC Course	PCC Course Title	
Competency / Breadth of Knowledge			Courses listed here may fulfill area requirement, but are not direct course equivalents				Courses listed here may fulfill area requirement, but are not direct course equivalents		Courses listed here may fulfill area requirement, but are not direct course equivalents		Courses listed here may fulfill area requirement, but are not direct course equivalents	
Theme 3: Creative and Expressive Arts (Take 3 credits)	AR101	Introduction to Art (3cr)				AR101	Introduction to Art (3cr)	AR101	Introduction to Art (3cr)		VA109 Intro to Visual Arts	
	AR102	Studio for Non-Majors (3cr)				AR101	Introduction to Art (3cr)	AR135	Studio for Non-Majors (3cr)			
	EN210	Introduction to Literature (3cr)	EN210	Introduction to Literature (3cr)		EN201	Intro to Literature (3cr)		LIT150	Introduction to Literature	Elements of Literature (3cr)	
	MU101	Music Fundamentals (3cr)								MU102	Music Fundamentals (3cr)	
	MU102	World Music (3cr)										
	MU106	Introduction to Music (3cr)				MU101	Introduction to Music (3cr)	MU106	Introduction to Music (3cr)			
	MU110	Class Voice (1cr)										
	MU121	Beginning Class Piano (2cr)										
	TH101	Introduction to Theater (3cr)	TH101	Introduction to Theater (3cr)			EN203	Drama (3cr)	DR101	Introduction to Drama and Theater (3cr)		
	TH102	Acting I (3cr)										
DIVERSITY FOUNDATION: HUMANITIES 2	BA110	Principles of Economics										
	CO106	Introduction to Mass Communication									CO201 Mass Media and Society	
	GE201	World Regional Geography (3cr)						GE201	World Regional Geography (3cr)			
	HI121	World History I (3cr)	HI121	History of World Civilization I (3cr)			SS170	World History I (3cr)	HI121	History of World Civilizations I (3cr)		HI159 World Civilization I
	HI122	World History II (3cr)	HI122	History of World Civilization II (3cr)			SS171	World History II (3cr)	HI122	History of World Civilizations II (3cr)		HI169 World Civilization II
	LN101	Introduction to Languages (3cr)										
	PA233	Impact of Government Regulatory Administration on Business										
	PH101	Introduction to Philosophy	PH101	Introduction to Philosophy (3cr)			EN208	Intro to Philosophy (3cr)	PH201	Introduction to Philosophy (3cr)	PH169	Introduction to Philosophy (3cr)
	PH102	Contemporary Ethical Problems (3cr)										
	PS101	Introduction to Government & Politics (3cr)										SS149
Theme 4: Human Systems and Organizations (Take 3 credits)	SO 202	Contemporary Social Problems (3cr)										
	SW110	Introduction to Community Services on Guam (2cr)	HM110	Introduction to Community Services (3cr)								
	WG101	Introduction to Women & Gender Studies (3cr)										

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DIVERSITY FOUNDATION: HUMANITIES 3	AN101		Introduction to Anthropology (3cr)							SS189	Introduction to Cultural Anthropology
	ED265		Culture & Education on Guam (3cr)								
	HI211		History of Guam (3cr)								
	HI243		History of Micronesia (3cr)			SS150	History of Micronesia (3cr)				
Theme 5: Cultural Perspective (Take 3 credits)	PH103		PH103 Introduction to Asian Philosophy (3cr)								
	PS202		Government in the United States (3cr)								
	SW201		Social Welfare & Development: Global Challenges (3cr)								
UNIQUELY UOG COMPONENT:	CM101		Elementary Chamoru I (4cr)								
	C101		Elementary Chinese (Mandarin) I (4cr)								
	FR101		Elementary French I (4cr)								
	GN101		Elementary German I (4cr)								
	JA101		Elementary Japanese I (4cr)								
Language (Take 4 credits)	KO101		Elementary Korean I								
	PN101		Conversational Polynesian (4cr)								
	SN101		Elementary Spanish I (4cr)								
	TA101		Conversational Tagalog (4cr)								
UNIQUELY UOG COMPONENT:	CH110		Chamoru I (4cr)								
	HU120		Pacific Cultures (3 credits)								
	JA110		Japanese I (4 credits)								
	JA111		Japanese II (4 credits)								
	ASL100		ASL I (3 credits)								
	ASL110		ASL II (3 credits)								
	ASL120		ASL III (3 credits)								
	AM101		American Sign Language I (4 credits)								
	AM102		American Sign Language II (4 credits)								
	AM103		American Sign Language III (4 credits)								
	AM104		American Sign Language IV (4 credits)								

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