



2022-2023

Undergraduate Catalog & Graduate Bulletin



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NOTE TO THE READER

The University reserves the right to make changes to the Catalog 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.

The curriculum found in this Catalog has been created by the faculty and followed a rigorous review process by deans, the Faculty Senate, and the senior vice president.

Updates and Corrections

The Catalog and Bulletin are updated annually with every effort to ensure accuracy. Any updates or corrections for the Undergraduate Catalog should be brought to the attention of Janet San Nicolas at janetsn@triton.uog.edu, and any updates or corrections for the Graduate Bulletin should be brought to the attention of Eden Galvez at galveze@triton.uog.edu.

Requested corrections will be reviewed and made as quickly as possible to the current, published online version of the [Undergraduate Catalog](#) or [Graduate Bulletin](#) with a footnote regarding the change and date it was made. Requested updates will be reviewed for incorporation in a supplement and/or the next edition.

Web Browser Compatibility

This online Catalog is best viewed using Google Chrome, Apple Safari, and Mozilla Firefox browsers.



WELCOME MESSAGES

A MESSAGE FROM THE PRESIDENT

Håfa Adai!

Welcome to the beginning of an exciting and life-changing journey at the University of Guam/*Unibetsedåt Guåhan*, and to our returning alumni, welcome back! Whether you're beginning an undergraduate, graduate, or certificate program, your decision to further your education will most certainly be a rewarding one and may even take you in directions you had not previously considered.

This combined online Undergraduate Catalog and Graduate Bulletin is an [award-winning](#) application and an invaluable resource for exploring your degree options and ensuring that you achieve your goals efficiently. It details the course requirements for each of the 25 undergraduate, 16 graduate, 31 minor, and 14 certificate programs available at UOG. These programs cover some of the most in-demand career sectors in Guam and throughout the rest of Micronesia, to include business and public administration, teaching and education, and environmental science and agriculture, among others.

This publication is not your only resource. All of the faculty and staff at the University of Guam are here to help you succeed. Talk to your professors for academic and career guidance, visit the various centers, programs, and resources available on campus, and, as many of our most successful students have done, talk with your peers — upperclassmen and recent alumni in your degree program of interest.

Now that you are a scholar and a member of an academic community, it is important to be aware that this carries certain responsibilities and expectations. Please review the [UOG Honor Code](#) and join our commitment to maintaining academic integrity and truthfulness as well as treating one another with *inadahi yan inagofli'e'*, or respect and compassion.

Throughout 2022, the University of Guam has been celebrating 70 years of preparing 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. Krise, Ph.D.

President and Professor of English

A MESSAGE FROM THE SENIOR VICE PRESIDENT

Buenas yan Håfa Adai!

This online publication is the first step to discovering your future path and investing in your future, and we welcome you!

The University of Guam is intent on leveraging our mission of *Ina, Deskubre, Setbe* — to enlighten, to discover, to serve — and a multitude of programs and high-impact experiences to help students advance socially and economically. Even if you're unsure what path you'd like to take, immersing yourself into the university environment is the first step to reimagining your potential. Your investment here will open doors for personal and professional advancement.

This combined Undergraduate Catalog and Graduate Bulletin is a detailed guide of the diverse selection of readily accessible, economical, and high-value programs available at the University of Guam. These [certificate and degree programs](#) will allow you to enter into and advance in a plethora of workforce professions including civil engineering, cybersecurity, nursing, business administration, and more.

And as an accredited institution with excellent opportunities for mentorship and value-added experiences, UOG students are well-prepared for acceptance into and success in advanced degree programs at prestigious universities. Alumni who graduated last May are now beginning law school, dental school, and premedical programs as well as various master's programs.

Throughout your academic journey at UOG, explore the many [student resources](#) to help you succeed — including counseling, tutoring, advisement, financial assistance, disability assistance, veteran assistance, career development resources, and more — and especially our [Triton Advising Center](#) for additional support. College affordability remains a top priority, so do explore funding opportunities at our [UOG Financial Aid Office](#).

Additionally, I encourage you to take advantage of program-specific internships, [research opportunities](#) with faculty of research centers, course-based service learning, and clinical and capstone experiences will all strengthen your overall professional development.

Transforming lives and advancing our communities are at the heart of UOG's strategic intent within its *Para Hulo'* strategic plan. We wish you much success in your academic and personal journey at the University and are available to provide assistance along the way.

Biba, UOG Tritons!

Anita Borja Enriquez, DBA

Senior Vice President and Provost

ABOUT THE UNIVERSITY OF GUAM

GENERAL INFORMATION

MISSION

Ina, Deskubre, 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 is accredited through 2024 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.

All of UOG's academic programs, non-degree certificate programs, and its Intensive English Program (a non-degree program) are covered by this accreditation.

The University of Guam has been continuously accredited since 1959.

See www.wascsenior.org and UOG's [accreditation webpage](#) for more information.

The Office of Graduate Studies is authorized to accept graduate credits transferred from graduate schools of

other colleges and universities accredited by any of the American Regional Accrediting Agencies.

Degree Program Accreditations

The University also holds the following degree program accreditations:

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, Bachelor of Business Administration in Accounting, and the Professional Master of Business Administration degree programs 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.

The Master of Public Administration degree program is accredited by the [Network of Schools of Public Policy, Affairs, and Administration \(NASPAA\)](#) through Aug. 31, 2029.

School of Education

The School of Education and all of its degree programs are accredited by the [Association for Advancing Quality in Educator Preparation \(AAQEP\)](#). The accreditation covers all of the school's degree programs, which include



bachelor's programs for elementary and secondary education and seven master's programs, until 2027.

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

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 url.uog.edu/islos.

INSTITUTIONAL GRADUATE LEARNING OUTCOMES (IGLO)

Upon completion of their degree program, graduate students will:

- Demonstrate mastery of critical skills, theories, methodologies, and other content knowledge at a level that will enable them to address fundamental questions in their primary area of study;
- Plan, conduct, and complete a significant research or creative project;
- Exercise oral and written communication skills sufficient to publish and present work in their field;
- Adhere to the ethical principles of academia and their respective disciplines in coursework, fieldwork, and other appropriate situations; and

- Exemplify, through service, the value of their discipline to the academy and the community at large, interacting productively and professionally with people from diverse backgrounds.

LOCATION

The University campus sits on a 100-acre site in Mangilao, minutes from Guam's capital city of Hagåtña and other government and commercial centers. It overlooks Pago Bay with a breathtaking view of the Pacific Ocean.

LANGUAGE

While English is the primary language of instruction at the University of Guam, the University recognizes English and CHamoru as the official languages of Guam (P.L. 12-132). The University also adheres to spelling and usage conventions developed by the *Kumision I Fino' CHamoru*, which has the duty of establishing agreement on CHamoru orthography and notifying public and private institutions of updates to the language (P.L. 33-236). Courses and coursework may be delivered in *fino' CHamoru* or other modern languages upon the approval of the instructor and dean.

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")

HISTORY

HISTORY OF THE UNIVERSITY OF GUAM

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.

POLICIES

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 [Student Life Office webpage](#) for an electronic copy.

POLICY FOR EQUAL EMPLOYMENT OPPORTUNITY AND NON-DISCRIMINATION/NON-HARASSMENT

Board of Regents Resolution No. 03-24 (July 17, 2003)
[Read the complete policy here](#)

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 PROHIBITING SEX DISCRIMINATION

Board of Regents Resolution No. 20-26 (Sept. 17, 2020)

[Read the complete policy here](#)

The UOG Policy Prohibiting Sex Discrimination is an update to what was the UOG Sexual Misconduct Policy (Board of Regents Resolution No. 16-12, March 17, 2016) and, as such, continues to prohibit all forms of sexual discrimination and misconduct, including, but not limited to, sexual harassment, sexual assault, sex offense, domestic violence, dating violence, stalking, and inappropriate amorous relationships. Further, the policy expressly prohibits retaliation against an individual because of their good faith participation in the reporting, investigation, or adjudication of violations of this policy. University students and employees who violate this policy will face discipline up to and including expulsion or termination.

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 Policy Prohibiting Sexual Discrimination as part of the registration process before attending any classes.

POLICY AND PROCEDURE FOR STUDENTS AND APPLICANTS WITH A DISABILITY

Board of Regents Resolution No. 04-32 (Oct. 28, 2004)
Superseded by Resolution No. 10-11 (April 22, 2010)
[Read the complete policy here](#)

In accordance with the American with Disabilities Act (ADA) of 1990 and the Rehabilitation Act of 1973, the University 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 accommodations for a student who is otherwise qualified, if the accommodation is reasonable, effective and will not alter the fundamental aspect of a University program, nor will otherwise impose an undue hardship of the University, and/or there are not equivalent alternatives. Student are expected to make timely requests for accommodation. If appropriate, the University may choose to consult with such individuals at or outside the University to provide expertise needed to evaluate the request for accommodation.

The Enrollment Management & Student Success office provides reasonable accommodations for students in accordance with the UOG Policy and Procedure for Student and Applicants with a Disability.

TITLE IX COMPLIANCE STATEMENT

20 U.S.C. Ch. 38 § 1681 of U.S. Public Law 92-318 (Education Amendments of 1972)
[Read the complete statute here](#)

The University of Guam does not discriminate on the basis of sex in the admission to or employment in its education programs or activities.

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.

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.

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

§ 513 of U.S. Public Law 93-380 (The Education Amendments Act of 1974)
[Read the complete section here](#)

Annually, the 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 RIGHT-TO-KNOW ACT

U.S. Public Law No. 101-542 (Nov. 8, 1990)

[Read the complete act here](#)

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.

TOBACCO POLICY

Board of Regents Resolution No. 13-24 (Sept. 19, 2013)

[Read the complete policy here](#)

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 the UOG campus and properties. The purpose of this policy is to protect the public health and welfare by prohibiting smoking and the use of tobacco products or simulated smoking devices, including but not limited to Ecigarettes, on the UOG campus and properties; to guarantee the right of nonsmokers to breathe smoke-free air, while recognizing that the need to breathe smoke-free air shall have priority over the desire to smoke; and to encourage a healthier, more productive living/learning environment for all members of our University community.

PARKING POLICY

Board of Regents Resolution No. 15-28 (July 16, 2015)

| Read the complete policy here

UOG's Parking Policy applies to all motorized and/or electric vehicles, including two-wheeled vehicles. Parking is permitted only within paved parking lots and officially designated parking areas. Fire lanes, active loading/unloading zones, and other areas near facilities that are marked "No Parking" are considered no parking zones. All University grass ground areas and sidewalks on campus are considered no parking areas, unless specifically designated by the University in writing for certain purposes. Authorized parking areas in grassy locations will be identified on an official campus map or will have signs identifying them. "No Parking" signs may be put up in certain areas for emphasis or clarification purposes but are not required for the enactment or enforcement of this policy.

Vehicles parked in violation of this policy, and the rules and regulations supporting it, are subject to an official parking violation ticket and/or towing at the violator's expense. Vehicles that are parked in accessible parking spaces for persons with disabilities without a special license plate or windshield placard pursuant to the Americans with Disabilities Act, and other than two-wheeled motor vehicles parked in two-wheeled motor vehicle spaces are also subject to an official parking violation ticket and/or towing at the violator's expense. Any towed vehicle must be picked up by the registered owner of that vehicle with a valid picture identification. Exceptions to this policy include:

1. Maintenance or service vehicles or contract vehicles doing specific work within certain areas near facilities where temporary parking facilitates completion of work activities;
2. Emergency vehicles in response to a situation or conducting official business; and
3. Special major events as approved by the University such as, but not limited to, Charter Day, graduation ceremonies, major construction activities, and concerts/forums drawing a significant or higher than normal amount of traffic and attendees.

Exceptions must be specified in writing in advance through the Safety Office, and only certain areas will be temporarily open to accommodate such activities. Areas not specified are considered no parking areas and subject to official parking violation tickets and/or towing.

Reserved parking may be approved and will be handled through the rules and regulations process managed by the Safety Office and approved by the vice president for Administration and Finance.

Parking on campus is at the owner's risk. The University accepts no liability for the safety and security of vehicles parked on campus. Rules and regulations will be developed to further define parking policy authorizations or restrictions within the intent of this policy and Title 16, Guam Code Annotated, Chapter 3. The safety administrator is authorized to make such rules and regulations, with approval from the vice president for Administration and Finance. The rules and regulations will be reviewed annually by the Safety Office and updated as appropriate.

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

The University of Guam is committed to promoting a safe and supportive environment for each and every member of our community. 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 prohibiting sex discrimination.

In case of questions or concerns, please contact:

EEO/ADA/Title IX Office

Dorm 2 Iya Hami Hall, Room 104
UOG Station, Mangilao, Guam 96923
Tel: (671) 735-2244
TDD: (671) 735-2243
Fax: (671) 734-0430

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.

ACADEMIC CALENDAR

FANUCHANAN 2022

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 registration for new and returning students up to 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.

PLACEMENT TESTS

English Preparedness Test: For more information, call (671) 735-2725.

Math Placement Test: For more information, call (671) 735-2825.

[More about Placement Tests](#)

AUGUST

Aug. 4, 5, 11, 12, 15, 16 Open registration

Aug. 9-12 New student registration

Aug. 9-12 Senior citizens (55+) to notify Records Office of intent to participate in Tuition Waiver Program

Aug. 17 First day of instruction for weekday classes and Part A eight-week classes

Aug. 17-23 Schedule adjustment period (drop/add courses). Make schedule adjustments at the Office of Admissions & Records or any satellite location from 8 a.m. to 5 p.m. on weekdays. Cancellation fees apply.

Aug. 20 First day of instruction for Saturday classes

Aug. 23 Last day to register for Course by Conference. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

Aug. 23 Deadline to withdraw from courses without a transcript entry

Aug. 24 Registration for Senior Citizen Tuition Waiver Program for eligible residents (55+). Call (671) 734-2210/11.

Aug. 31 Tuition payment deadline. Final payment for Fanuchanan 2022 registration must be received by 4 p.m. or 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.

SEPTEMBER

Sep. 5 Holiday - Labor Day

Sep. 21 Last day for voluntary withdrawal from Part A eight-week classes

OCTOBER

Oct. 5 Last day for voluntary withdrawal from classes with a grade of "W"

Oct. 7 Last day of instruction and deadline to file petition to withdraw for Part A eight-week classes

Oct. 10-15 Fanuchanan Break

Oct. 12 Deadline for Special Project and Credit by Exam. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

Oct. 17 First day of instruction for Part B eight-week classes

NOVEMBER

Nov. 2 Holiday - All Souls' Day



Nov. 11 Holiday - Veterans Day

Nov. 16 Last day for voluntary withdrawal from Part B eight-week classes

Nov. 24 Holiday - Thanksgiving Day

Nov. 24-26 Thanksgiving Break

DECEMBER

Dec. 5-23 Online grade posting (for faculty)

Dec. 8 Holiday - Our Lady of Camarin Day

Dec. 9 Deadline to submit Petition to Withdraw from regular semester classes. Pick up and submit one form per class at the Office of Admissions & Records by 5 p.m. Each form requires individual instructor and adviser signature and approval.

Dec. 9 Last day of instruction for regular semester classes and Part B eight-week classes

Dec. 10 Last day of instruction for Saturday classes

Dec. 12 Final exams for Saturday classes

Dec. 12-14 Final exams for weekday classes

Dec. 16 End of semester

Dec. 16 Grades due for prospective graduating students by 5 p.m.

Dec. 18 Fanuchånan 2022 Commencement Ceremony

Dec. 19 Grades for all students due by 5 p.m.

TINALO 2022

DECEMBER

Dec. 5-16 Registration

Dec. 17 First day of instruction

Dec. 19 Schedule adjustment and late registration

Dec. 25 Holiday - Christmas Day

Dec. 26 Holiday - Christmas Day (observed)

Dec. 27 Tuition payment deadline. Final payment must be received by 4 p.m. or the student will be administratively withdrawn from all courses and will be required to pay a \$50 administrative fee.

JANUARY

Jan. 1 Holiday – New Year's Day

Jan. 2 Holiday – New Year's Day (observed)

Jan. 5 Deadline for voluntary withdrawal

Jan. 11-14 Faculty evaluations

Jan. 14 End of Tinalo' Intersession

Jan. 17 Final grades due

FANOMNAKAN 2023

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 registration for new and returning students up to 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.

2022

SEPTEMBER

Sept. 1 Deadline to submit International Application for Admission (Foreign I-20)

Sept. 28 Deadline to submit application for May 2023 degree completion to the Office of Admissions & Records

OCTOBER

Oct. 17 Deadline for former students to submit Re-entry Application to participate in early registration by class level. Students who submit re-entry applications after this deadline will participate in Fañomnåkan 2023 Open Registration.

NOVEMBER

Nov. 1 – Dec. 2 Early registration by class level (total credits completed). Register at the Office of Admissions & Records, on WebAdvisor, or at any satellite location.

Nov. 18 Deadline to submit Resident/Non-Resident Application (except international students) for admission to avoid late registration

DECEMBER

Dec. 5 – 23 Early registration on WebAdvisor ONLY

2023

JANUARY

Jan. 1 Holiday - New Year's Day

Jan. 2 Holiday - New Year's Day (observed)

Jan. 4, 5, 6 Open registration

Jan. 13, 17 Register at the Office of Admissions & Records, on WebAdvisor, or at any satellite location from 8 a.m. - 5 p.m., Monday - Friday

Jan. 9-13 New student registration

Jan. 9-13 Senior citizens (55+) to notify Records Office of intent to participate in Tuition Waiver Program

Jan. 16 Holiday - Martin Luther King Jr. Day

Jan. 18 First day of instruction for weekday classes and Part A eight-week classes

Jan. 18-24 Schedule adjustment period (drop/add classes). Make schedule adjustments at the Office of Admissions & Records or any satellite location from 8 a.m. to 5 p.m., Monday - Friday. Cancellation fee applies.

Jan. 21 First day of instruction for Saturday classes

Jan. 24 Last day to register for Course by Conference. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

Jan. 24 Last day to withdraw from classes without a transcript record entry

Jan. 25 Registration for Senior Citizen Tuition Waiver Program (residents ages 55+)

FEBRUARY

Feb. 1 Tuition payment deadline by 4 p.m.

Feb. 15 Last day for voluntary withdrawal from Part A eight-week classes

Feb. 17 Faculty Development Day



MARCH

March 2 University of Guam Charter Day

March 6 Holiday - Guam History & CHamoru Heritage Day

March 15 Last day for voluntary withdrawal from classes with a grade of "W"

March 15 Deadline for Special Project and Credit by Exam. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

March 17 Last day of instruction and deadline to file petition to withdraw for Part A eight-week classes

March 20-24 Fañomnåkan Break

March 27 First day of instruction for Part B eight-week classes

APRIL

April 26 Last day for voluntary withdrawal from Part B eight-week classes

MAY

May 8-26 Online grade posting (for faculty)

May 12 Deadline to submit Petition to Withdraw from classes. Pick up and submit one form per class at the Office of Admissions & Records by 5 p.m. Each form requires course instructor's and adviser's signature/ approval.

May 12 Last day of instruction

May 15 Final exams for Saturday classes

May 15-17 Final exams for weekday classes

May 19 End of semester

May 19 Grades due for prospective graduating students by 5 p.m.

May 21 Fañomnåkan 2023 Commencement Ceremony

May 22 Grades due for all remaining students by 5 p.m.

May 29 Holiday - Memorial Day

FINAKPO 2023

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 registration for new and returning students up to 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.

PLACEMENT TESTS

English Preparedness Test: For more information, call (671) 735-2725.

Math Placement Test: For more information, call (671) 735-2825.

[More about Placement Tests](#)

FEBRUARY

Feb. 6 Deadline to submit International (Foreign I-20) Application for Admission

Feb. 28 Deadline to apply for degree completion to graduate in Finakpo' 2023 or Fanuchānan 2023. Submit application to the Office of Admissions & Records.

MARCH

March 2-31 Early registration by class level (total credits completed). Register at the Office of Admissions & Records, on WebAdvisor, or at any satellite location. Payment must be completed no later than the second day for each Finakpo' session.

APRIL

April 3-May 5 Early registration on WebAdvisor ONLY

April 7 Deadline to submit Resident/Non-Resident Application for Admission to participate in new student orientation/registration for Finakpo' sessions

MAY

May 23-24 Open registration. Register at the Office of Admissions & Records or any satellite location from 8 a.m. to 5 p.m., Monday - Friday

May 25-26 New student registration

May 29 Holiday - Memorial Day

May 30 First day of classes, late registration, and schedule adjustments for Session A

May 30 Last day to register for Course by Conference. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

JUNE

June 5 First day of classes, late registration, and schedule adjustments for Session B

June 5 Last day to register for Course by Conference for Session B. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

June 12 Deadline for Special Project and Credit by Exam for Session A. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

June 14 Last day for voluntary withdrawal from Session A classes with a grade of "W"

June 19 Deadline for Special Project and Credit by Exam for Session B. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

June 21 Last day for voluntary withdrawal for Session B classes with a grade of "W"

June 30 Last day of classes for Session A

June 30 Deadline to submit Petition to Withdraw from Session A classes. Pick up and submit one form per class



at the Office of Admissions & Records by 5 p.m. Each form requires course instructor's signature/approval.

JULY

July 3 First day of classes, late registration, schedule adjustments for Session C

July 3 Last day to register for Course by Conference for Session C. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

July 4 Holiday- Independence Day

July 5 Grades for Session A due by 5 p.m.

July 12 Last day for voluntary withdrawal from Session C classes with a grade of "W"

July 19 Deadline for Special Project and Credit by Exam for Session C. Forms available at the Global Learning & Engagement office located on the 2nd floor of the Computer Center building.

July 20 Deadline to submit Petition to Withdraw from Session B classes. Pick up and submit one form per class at the Office of Admissions & Records by 5 p.m. Each form requires course instructor's signature/approval.

July 20 Last day of classes for Session B

July 21 Holiday - Liberation Day

July 22 Last day of Saturday classes for Session B

July 26 Grades for Session B due by 5 p.m.

AUGUST

Aug. 4 Deadline to submit Petition To Withdraw from Session C classes. Pick up and submit one form per class at the Office of Admissions & Records by 5 p.m. Each form requires course instructor's signature/approval.

Aug. 4 Last day of classes for Session C

Aug. 5 Last day of Saturday classes for Session C

Aug. 9 Grades for Session C due by 5 p.m.



FANUCHANAN 2023

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.

PLACEMENT TESTS

English Preparedness Test: For more information, call (671) 735-2725.

Math Placement Test: For more information, call (671) 735-2825.

[Schedule for Placement Tests](#)

March 13 Deadline to submit application for admission (Foreign I-20) for international students

April 4 – May 5 Early registration by class level (total credits completed). Register at the Office of Admissions & Records, on WebAdvisor, or at any satellite location from 8 a.m. to 5 p.m., Monday - Friday.

May 8 - July 7 Early registration on WebAdvisor ONLY

May 26 Deadline to submit application for admission for residents and non-residents (does not include international students)

CAMPUS CENTERS AND SERVICES

CENTERS AND PROGRAMS

AUXILIARY SERVICES

Contact: Jonas Macapinlac, Interim Director of Auxiliary Services
Tel: (671) 735-2944 | **Email:** jmac@triton.uog.edu

Triton Store and Gift Shop

Location: Student Services Center
Tel: (671) 735-2931 | **Website:** www.tritonstore.gu

The University of Guam Triton Store and Gift Shop is conveniently located in the Student Services 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.

Food and Beverage Services

Instagram: [@uogeats](https://www.instagram.com/uogeats)

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

Location: Student Services Center
Hours: 7:30 a.m. – 3 p.m., Monday – Friday

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.

CALVO FIELD HOUSE

Contact: Doug Palmer, Athletics Director
Tel: (671) 735-2861/2 | **Email:** palmerd@triton.uog.edu
Website: www.uog.edu/athletics/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.



CENTER FOR ENTREPRENEURSHIP & INNOVATION

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

Email: c4ei@triton.uog.edu

iTunes: podcasts.apple.com/au/podcast/getbizyid1451570230

YouTube: www.youtube.com/channel/UCCYLziip0SHgjtXB4cDEOjQ

Facebook and Instagram: @uogc4ei

The Center for Entrepreneurship & Innovation (C4EI) was developed through a partnership with the Bank of Hawaii Foundation and the University of Guam School of Business & Public Administration. It launched in April 2016 with four years of initial funding from the Bank of Hawaii Foundation. The C4EI was designed as an interactive learning laboratory that brings students' business ideas to life and nurtures growth from concept to launch and beyond.

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.

Students utilizing the center will benefit from existing resources, including the [C4EI Data & Research Repository](#) — a growing digital catalog of strategic business plans, case studies, and industry research of businesses operating in Guam and the region. As a bridge from the start-up phase, the Guam Small Business Development Center 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 C4EI hosts the SBPA Dean's Speaker Series and Entrepreneur Series. The series gives students the opportunity to connect with successful professionals from across different business disciplines. Through this

partnership, students are also able to hear inspiring perspectives from local, national, and international guest speakers.

Follow the C4EI social media channels to access C4EI's offerings that include podcasts and announcements on training, seminars, and workshops.

COOPERATIVE EXTENSION & OUTREACH

Interim Associate Dean/Director: Peter R. Barcinas

Location: Agriculture & Life Sciences Building, Room 206

Tel: (671) 735-2000

Website: www.uog.edu/extension

The University of Guam Cooperative Extension & Outreach (CE&O) under the College of Natural & Applied Science (CNAS) enables the multicultural community of Guam to make more informed decisions through 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 research.

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 & Agriculture, 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 the Western Pacific Tropical Research Center under CNAS 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 & Natural Resources, Family & Consumer 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.

GLOBAL LEARNING & ENGAGEMENT

Location: Micronesian Area Research Center/Computer Center Building, 2nd Floor
Tel: (671) 735-2600/1 | **Email:** uog.gle@triton.uog.edu
Website: uog.edu/gle

The Global Learning & Engagement department, formerly Professional & International Programs, 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, GLE facilitates learning and workforce development in an environment of open access through lifelong educational opportunities.

Professional Development and Continuing Education

GLE 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 GLE 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

GLE partners 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

GLE offers AMA curriculum delivered by experienced faculty that meets the needs of professionals who want the latest management thinking and best practices.

Ed2Go

Through a partnership with Ed2Go, UOG GLE is able to offer more than 100 comprehensive trainings and career programs virtually that facilitate learning and workforce development.

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

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



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.

Event Management Services

UOG GLE oversees the logistics, planning, management, and seamless execution of virtual and in-person events. With experience in managing events ranging from meetings, conferences, and trade shows, UOG GLE offers comprehensive event management services that can meet every client's unique vision, objective, and need.

GUAM PROCUREMENT TECHNICAL ASSISTANCE CENTER

Location: Jesus & Eugenia Leon Guerrero Business & Public Administration Building, Rooms 116–117

Satellite Office: Bank of Guam, East-West Center, Upper Tumon

Tel: (671) 735-2552

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

Website: www.guamptac.com

The Guam Procurement Technical Assistance Center under the School of Business & Public Administration provides services needed to ensure that Guam 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.

ISLA CENTER FOR THE ARTS

Location: Dean's Circle, Houses #14 and #15

Tel: (671) 735-2965 | **Email:** islacenter@gmail.com

Website: www.uog.edu/isla

Gallery hours: 10 a.m. – 5 p.m., Monday – Friday and 10 a.m. – 2 p.m., Saturday

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, Media, 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](#).

OFFICE OF INFORMATION TECHNOLOGY

Location: Micronesian Area Research Center / Computer Center Building
Tel: (671) 735-2640 | **Email:** helpdesk@triton.uog.edu

The Office of Information Technology provides and supports a wide variety of academic, instructional, research-related, and administrative services by managing computer labs and overseeing campus networking and internet connectivity. Consistent with the regional role of the University, the office 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 Office of Information Technology-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 & Public Administration: Various locations
- College of Natural & Applied Sciences: Computer Science Program lab in Annex/Warehouse B
- College of Liberal Arts & Social Sciences: Division of English and Applied Linguistics lab; Division of Humanities Digital Language Laboratory for Modern Language Instruction
- School of Education: Various locations

PACIFIC ISLANDS SMALL BUSINESS DEVELOPMENT CENTER NETWORK / GUAM SMALL BUSINESS DEVELOPMENT CENTER

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

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 the Federated States of Micronesia (Chuuk, Kosrae, Yap, and Pohnpei), Palau, and the Marshall Islands. Advisers 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.

ROBERT F. KENNEDY MEMORIAL LIBRARY

Contact: Dr. Monique Carriveau Storie, Dean, University Libraries

Tel: (671) 735-2331/2 | **Email:** mstorie@triton.uog.edu

Circulation Desk: (671) 735-2311 | **Reference Desk:** (671) 735-2341 | **Administration:** (671) 735-2331/2/3

Website: www.uog.edu/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.

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.

TELECOMMUNICATIONS & DISTANCE EDUCATION OPERATION

Location: Dean's Circle, House #6

Tel: (671) 735-2620

Help Desk: helpdesk@uog.edu

Moodle Help: moodlehelp@triton.uog.edu

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.

TRIO PROGRAMS

The Federal TRIO Programs are federal outreach and student services programs designed to identify and provide services for individuals from disadvantaged backgrounds. These programs are 100% federally funded through grants from the U.S. Department of Education. The University of Guam is a host institution to three out of the eight Federal TRIO Programs: Educational Talent Search, Student Support Services, and Upward Bound.

Educational Talent Search

Location: Calvo Field House, 2nd Floor

Tel: (671) 735-2246

Website: www.uog.edu/trio-program/educational-talent-search

Hours: 8 a.m. – Noon and 1 p.m. – 5 p.m., Monday – Friday

Educational Talent Search (ETS) serves 738 eligible Guam Department of Education middle and high school students to help them reach their academic potential. Participants must be first-generation college students and/or low-income based on the Federal Income Guidelines.

The free services for ETS students include:

- connections for academic tutoring;
- advice and assistance in secondary course selection;

- assistance in preparing for college entrance examinations and completing college admission applications;
- information on the full range of federal student financial aid programs and benefits;
- connections for financial and economic literacy service; and
- exposure to the campuses of institutions of higher education.

ETS also encourages persons who have not completed education programs at the secondary or postsecondary level to enter or re-enter and complete postsecondary education. Services are provided at the target schools and at the UOG campus.

Student Support Services

Location: Calvo Field House, 2nd Floor

Tel: (671) 735-2248 | **Fax:** (671) 734-7514

Website: www.uog.edu/trio-program/student-support-services

Hours: 8 a.m. – Noon and 1 p.m. – 5 p.m., Monday – Friday

Student Support Services (SSS) serves 160 students providing opportunities for academic development, assisting with basic college requirements, and motivating them toward the successful completion of their post-secondary education. Participants must be first-generation college students, be low-income based on the Federal Income Guidelines, and/or be a student with a disability.

The free services for SSS students include:

- academic tutoring;
- advice and assistance in course selection;
- assistance in completing the FAFSA;
- career exploration activities;
- information on financial aid programs and benefits;
- guidance on financial and economic literacy, including financial planning;
- information on graduate and professional programs;
- Summer Bridge Program; and
- study skills workshops

Upward Bound

Location: Calvo Field House, 1st Floor (next to Fitness Center)

Tel: (671) 735-1991/2 | **Fax:** (671) 734-7514

Website: www.uog.edu/trio-program/upward-bound

Hours: 8 a.m. – Noon and 1 p.m. – 5 p.m., Monday – Friday; Saturdays by appointment

Upward Bound is a college preparation program that serves 103 eligible Guam Department of Education high school students. Participants must be first-generation college students, low-income based on the Federal Income Guidelines, and/ or at-risk due to lack of academic support. Eligible students from non-GDOE high schools may apply and are accepted on a space-available basis.

The free services for Upward Bound students include:

- biweekly afterschool tutoring;
- help with college and financial aid applications;
- career and college preparation activities;
- financial aid and financial literacy information and application assistance;
- off-island educational programs;
- summer program with GDOE high school credit;
- self-development activities, including field trips, study skills, and more

Services are provided at the target high schools and at the UOG campus.

RESEARCH CENTERS AND INSTITUTES

CANCER RESEARCH CENTER

Principal Investigator: Dr. Rachael Leon Guerrero
Location: Dean's Circle, House #27
Tel: (671) 735-2988/9 | **Email:** guamcrc@triton.uog.edu
Website: u54.guamcrc.org/

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 U54 partnership is currently supported by a CPACHE grant from the National Cancer Institute.

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.

CENTER FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH & SERVICE

Interim Director: June De Leon
Location: Dean's Circle, House #29
Tel: (671) 735-2481 | **Fax:** (671) 734-5709 | **TTY:** (671) 734-6531
Website: www.guamcedders.org

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.

CENTER FOR ISLAND SUSTAINABILITY

Director: Dr. Austin Shelton
Location: Dean's Circle, House #32



Tel: (671) 734-2918

Website: www.uog.edu/cis

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.

University of Guam Sea Grant

Director: Dr. Austin Shelton

Location: Dean's Circle, House #25

Tel: (671) 734-5631

Website: www.uog.edu/seagrant

The University of Guam Sea Grant's mission is to integrate and apply research, extension, and educational activities that sustain and develop island environments while integrating the knowledge and culture of island people.

Examples of research and programming that UOG Sea Grant helps fund include watershed restoration strategies; blue economic growth opportunities; traditional navigation; climate change adaptation; capacity building in marine and environmental sciences; coral reef genetics; preparation and response to natural disasters; human interactions with the marine environment; and fisheries management. Communication, education, and extension

professionals then share the research with stakeholders in a way that is understandable and meaningful.

UOG Sea Grant is one of 34 sea-grant programs in the United States. In 2022, UOG's former coherent area program graduated to institutional status, making UOG a federally designated sea-grant institution, in addition to its federal land-grant status.

The National Sea Grant College Program is a partnership between universities and the federal government's National Oceanic & Atmospheric Administration, an agency within the Department of Commerce. The Sea Grant network includes more than 3,000 scientists, engineers, public outreach experts, educators, and students from more than 300 institutions across the United States.

MARINE LABORATORY

Interim Director: Dr. Laurie Raymundo

Location: Lower UOG campus (See [Campus Map](#))

Tel: (671) 735-2175/6

Website: www.uog.edu/ml/

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 and applied research is conducted by individual faculty members and their students and research associates in the following specialty areas: ichthyology and fisheries biology, evolutionary ecology, molecular genetics, photo-biology, invertebrate zoology, coral physiology and coral disease, restoration ecology, chemical ecology and natural products chemistry, community ecology, species interactions, and taxonomy and phylogeny.

Marine Laboratory faculty engage in an active internship program, mentoring local high school and undergraduate interns. Marine Lab graduate students and faculty donate their time to give guest lectures and tours for diverse interest groups, including many students and children. 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 Cleanup.



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 house 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 and oceanography, molecular and microbiology, and chemical ecology laboratories.

REGIONAL CENTER FOR PUBLIC POLICY

Director: Dr. John J. Rivera

Location: Jesus & Eugenia Leon Guerrero Business & Public Administration Building, Room 138

Tel: (671) 735-2501 | **Email:** rcpp@triton.uog.edu

Website: www.uog.edu/rcpp

The University of Guam Regional Center for Public Policy under the School of Business & 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.

Pacific Center for Economic Initiatives

The University of Guam Pacific Center for Economic Initiatives 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.

RICHARD FLORES TAITANO MICRONESIAN AREA RESEARCH CENTER

Dean of University Libraries: Dr. Monique Carriveau Storie

Location: Micronesian Area Research Center Building (See [Campus Map](#))

Tel: (671) 735-2150/1

Website: www.uog.edu/marc/

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.



MARC's library collections, research space, office space, an archaeology lab are located in a two-story research wing of the MARC-Computer Center complex.

Micronesian Language Institute

Location: Dean's Circle, House #3

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

Interim Publishing Director: Victoria-Lola Leon Guerrero
Location: Micronesian Area Research Center/Computer Center, 2nd Floor
Tel: (671) 735-2154 | **Email:** victorialola@triton.uog.edu
Website: www.uog.edu/uogpress/

In 2015, the University of Guam re-established the University of Guam Press (UOG Press) to advance regional scholarship, develop cultural literacy, and expand accessibility to knowledge about Micronesia by providing high-quality, peer-reviewed publishing services.

UOG Press publishes an array of academic and literary books and journals and 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 launched when the Press was revived in 2015, publishes cultural and indigenous literature to help capture, preserve, and promote awareness about the depth and eloquence of the Micronesian storytelling tradition in written form.

WATER & ENVIRONMENTAL RESEARCH INSTITUTE OF THE WESTERN PACIFIC

Interim Director: Dr. Ross Miller
Location: University of Guam Water Sciences Laboratory, lower campus (See [Campus Map](#))
Tel: (671) 735-2685 | **Water Quality Lab:** (671) 735-2688
Website: weri.uog.edu/

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 institutes nationwide — one at each of the land-grant universities — established by the federal Water Resources Research Act of 1964. The institutes are charged with:

1. conducting research that addresses local and regional water problems or expands understanding of water and water-related phenomena
2. aiding the entry of new research scientists into the water resources fields
3. helping to train future water scientists and engineers
4. getting results of sponsored research to water managers and the public.

WERI is one of 12 of the 54 institutes that received the top rating of "outstanding" in the most recent five-year performance review by the U.S. Geological Survey.

Consistent with the regional role of the University, WERI devotes part of its program effort to Western Pacific islands other than Guam, specifically, the Northern Mariana Islands and the Federated States of Micronesia. WERI endeavors to respond to the unique conditions of the region and works closely with community advisory councils composed of water-resources and environmental professionals across the region.

Water resources research is inherently multidisciplinary and includes all the water resource and environmental components of meteorology, climatology, chemistry, geology, biology, engineering, economics, and management. In order to undertake research of this nature, the institute draws from the diverse expertise of its research faculty members, and collaborate with other University of Guam faculty, colleagues from other universities, and local professionals. WERI research is supported through funding from federal and local sources,



as well as contracts and grants from federal, local, and private agencies in support of specific projects.

Consistent with its national charter for training new and future scientists, WERI faculty support the University's graduate [Environmental Science Program](#) by teaching courses in their research specialties, advising student thesis research, and supporting graduate research assistantships. WERI also conducts professional development workshops for water-resource professionals and educators, and provides information and data to the professional communities and general public on the WERI website.

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, staff and students; a water quality laboratory, a computing and GIS laboratory; and a classroom.

WESTERN PACIFIC TROPICAL RESEARCH CENTER

Interim Associate Director: Dr. Adrian Ares

Location: Agricultural & Life Sciences Building, Room 206

Tel: (671) 735-2005

Website: www.uog.edu/wptrc/

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.

STUDENT RESOURCES

ACADEMIC ASSISTANCE

Academic Advisement

Triton Advising Center

Director: Camarin Flores

Location: Student Center and EMSS Office

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 & 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.

Tel: (671) 735-3342 / 735-2291

Email: tac@triton.uog.edu

Website: [Click here](#)

The Triton Advising Center assists all undergraduate students, declared or undeclared, by directing students to helpful resources and providing advisement in the areas of academics, financial matters, and career.



Students that have not yet declared a major are advised to seek the assistance of an academic counselor at the Triton Advising Center.

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.

Disability Support Services

Enrollment Management & Student Success, Student Services

Disability Support Specialist: Sallie S. Sablan

Tel/TTY: (671) 735-2460

Email: disabilitysupport@triton.uog.edu

Website: [Click here](#)

The Disability Support Services office provides accommodative services for the needs of students with disabilities to ensure equal access to all institutional programs and services, foster independence, and facilitate self-advocacy.

Students with disabilities may benefit from commonly offered accommodations that include, but are not limited to:

- Library assistance
- Notetakers
- Readers
- Academic support centers/tutors (Undergraduate students may use existing tutorial labs and services, which are available through the TRIO Program in the areas of English and mathematics.)
- Sign language interpreters
- Special equipment (voice/tape recorders)
- Adapted testing (required when students with disabilities need special equipment, readers, writers, proctors, additional time, etc. to take quizzes, exams, and placement tests.)

Requests for academic accommodations are made by contacting the Disability Support Services office. All students with disabilities must submit appropriate educational, medical, and psychological documentation to substantiate their need for services. Request for academic accommodations should be done at least four weeks before classes begin. Confidentiality is maintained.

Students are also advised to visit the EEO/ADA & Title IX Office to pick up a copy of the "Policy for Equal Employment and Non-Discrimination/Non-Harassment" and "Policy and Procedure for Students and Applicants with a Disability Handbook."

Low-Income and First-Generation Student Support Services

TRIO Student Support Services

Location: Calvo Field House, 2nd Floor

Director: Chrislynn Takawo

Tel: (671) 735-2258

Email: takawoc@triton.uog.edu

Website: uog.edu/trio-program/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/or students with disabilities in completing their bachelor's degrees.

Services available include:

- academic assistance in math and English;
- advice and assistance in course selection;
- assistance in completing the FAFSA; career exploration activities;
- information on financial aid programs and benefits;
- guidance on financial and economic literacy, including financial planning;
- information on graduate and professional programs;
- Summer Bridge Program; and
- study skills workshops.

Tutoring Services

Tutoring programs for math and writing are available for all UOG students through their respective colleges.

Mathematics Tutor Lab

Location: Agriculture & Life Sciences Building, Room 230
Tel: (671) 735-2064

Email: mathtutorlab@triton.uog.edu

Website: uogmathlab.org

The Mathematics Tutor Lab offers tutoring in specific mathematics courses by appointment and for other math classes on a walk-in basis. A study hall is also available for students to complete their assignments. Students may receive up to 60 minutes of tutoring per day.

DEAL Writing Center

Location: English & Communication Building, Room 204

Email: writingcenter@triton.uog.edu

Website: <https://sites.google.com/view/dealwritingcenter/home>

The DEAL Writing Center offers peer tutoring on writing assignments, an independent study area, and English textbooks for use. The services are free to students on a walk-in or appointment basis.

Veteran Student Support Services

Veteran Student Services Office

Location: Student Center

Email: vets.resourcecenter@triton.uog.edu

Website: url.uog.edu/veteran-students

The Veteran Student Services Office provides a campus-wide effort to ensure student-veterans and military dependents access the best campus services with transition in mind. Staffed in part by full-time veteran students, the office offers the following veteran-specific services:

- Academic support
- Counseling
- Career planning assistance
- Transition assistance

- Accommodations for disability
- Social community

CAREER DEVELOPMENT AND EMPLOYMENT OPPORTUNITIES

Career Development Office / Triton Career Connections

Program Coordinator/Career Coach: Sallie L.T. McDonald

Location: Student Center

Tel: (671) 735-2233

Email: career.development@triton.uog.edu

Website: careerconnect.uog.edu

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 Fanuchānan Employer On-Campus Recruitment and the annual Fañomnākan 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.

Student Employment

Federal Work-Study

Financial Aid Office

Tel: (671) 735-2284

Email: finaid@triton.uog.edu



Website: www.uog.edu/financial-aid

Federal work-study provides part-time jobs for full-time and part-time undergraduate and graduate students with financial need, allowing them to earn money to help pay education expenses. The program encourages community service work and work related to the student's course of study. Students will earn at least the current federal minimum wage but may earn more depending on the type of work and the skills required for the position. Federal work-study is applied for through the [Free Application for Federal Student Aid \(FAFSA\)](#) and a subsequent Federal Work-Study application.

Teaching Assistantships

Human Resources Office

Tel: (671) 735-2350

Email: uoghro@triton.uog.edu

Website: [Click here](#)

Undergraduate teaching assistants provide administrative support for quiz, discussion, or laboratory sections and serve as class assistants. Faculty or other academic personnel provide appropriate guidance and feedback, particularly in cases where undergraduate teaching assistants are filling new roles and engaging in activities that are new to them. Undergraduate teaching assistants do not perform teaching duties.

Graduate-level teaching assistants lead quiz, discussion, or laboratory sections, serve as class assistants, or provide supervised teaching. Faculty or other academic personnel provide appropriate guidance and feedback, particularly in cases where teaching assistants are filling new roles and engaging in activities that are new to them. A graduate teaching assistant is usually a pre-master's or graduate student.

Students may view and apply for available teaching assistantships on the [Human Resources Office webpage](#) and the [RCUOG webpage](#).

Research, Extension, and Grant Support Assistantships

Research Corporation of the University of Guam

Tel: (671) 735-0336

Email: rcuoghr@triton.uog.edu

Website: www.uog.edu/rcuog/job-announcements

Jobs as research, extension, or grant support assistants are regularly available for both undergraduate and graduate students through the Research Corporation of the University of Guam. Student employees of the RCUOG are assigned to University units to deliver grant or externally funded objectives. The positions pay hourly with rates dependent upon the student's level of education and experience. These employees work 39 hours or less per week and receive Social Security and Medicare. Students may view and apply for available RCUOG assistantships on the [RCUOG webpage](#).

- [RCUOG Student Employment Hiring Policy & Procedures](#)

Graduate Teaching Opportunities

Graduate teaching instructor positions offer qualified graduate students valuable, hands-on university teacher training and experience that will benefit them in their future career goals. Instructor opportunities are possible in the English, Biology, and Mathematics programs. Interested graduate students should inquire with the relevant department chair.

Employment Discrimination Prevention

Equal Employment Opportunity/Americans with Disabilities Act/Title IX Office

Interim Director: Elaine Faculo-Gogue

Location: Dorm 2/Iya Hami Hall, Room 106

Tel: (671) 735-2244 | **TDD:** (671) 735-2243

Email: eeo-ada@triton.uog.edu

Website: [Click here](#)

Students working on campus can be assured of a work environment free of discrimination and harassment on the basis of any status protected by law, to include sex, sexual orientation, race, religion, age, disability, citizenship status, and national origin. Administrators, directors, managers, and supervisors must inform employees of the policies prohibiting discrimination and harassment, emphasize the policy of zero tolerance, and deal promptly with any problem situations. Each of us is expected to maintain high standards of honesty, integrity, and conduct. Discrimination and harassment violate these standards.

Sexual harassment is a specific form of prohibited harassment and complaints involve sensitive and complex issues. A prompt and effective inquiry into allegations is critical -- not only to avoid liability and prevent future harassing behavior, but also to lay the groundwork for successful resolution.

HEALTH, WELLNESS, AND SAFETY

Campus Security Escort Service

G4S Campus Security

Tel: (671) 888-2456 or (671) 735-2365

The UOG Campus Security Escort Service provides free walking accompaniment from one campus location to another, including to vehicles parked on campus, for all UOG students, employees, and visitors who may feel unsafe walking alone on campus at night. This service is available from dusk to dawn, seven days a week, 365 days per year.

Psychological Counseling

Student Counseling & Advisement Services

Location: Student Center and EMSS Office

Tel: (671) 735-3342 / 735-2291

Email: tac@triton.uog.edu

Website: [Click here](#)

The Student Counseling & Advisement Services office offers short-term psychological counseling to all registered students who may be undergoing personal difficulties or learning problems that interfere with their 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. Confidentiality is strictly maintained within each of these four areas.

For a list of mental and behavioral providers in the community, please click the link below.

[Mental and Behavioral Providers List](#)

I Pinangon Campus Suicide Prevention Program

Tel: (671) 735-2888

Email: ipinangon@triton.uog.edu

I Pinangon supports and works in alignment with the National Strategy for Suicide Prevention and provides a sustainable on-campus network of student services to identify, assess, treat and/or refer mental health and behavioral problems. The program serves as a resource for students, their families, and UOG faculty and staff. Informational materials available include suicide prevention pamphlets, brochures for individuals and families, wellness guides, community resource directories along with a comprehensive website. *I Pinangon* also provides classroom presentations, training, and educational seminars to the University community.

Violence Against Women Prevention Program

Location: Humanities & Social Sciences Building, Room 103

Tel: (671) 735-2890

Email: vawpp@triton.uog.edu

The Violence Against Women Prevention Program is a resource and victim services center working to prevent violent crimes against women, particularly domestic violence, dating violence, sexual assault, and stalking. The program's services are confidential and are available for University of Guam students, staff, faculty, and members of their families.

The VAWPP provides:

- Crisis intervention
- Victim advocacy/counseling
- Education and training
- Risk assessment and safety planning
- Advisement on legal options
- Referrals to resources and other services
- Community outreach

Sexual Misconduct Prevention and Response

Equal Employment Opportunity/Americans with Disabilities Act/Title IX Office

Interim Director: Elaine Faculo-Gogue

Location: Dorm 2/Iya Hami Hall, Room 106

Tel: (671) 735-2244 | **TDD:** (671) 735-2243 | **Helpline:** (671) 735-HELP

Email: eeo-ada@triton.uog.edu

Website: [Click here](#)

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 the EEO/ADA/Title IX 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.

The EEO/ADA/Title IX office also stands ready to assist anyone who wishes to file a formal complaint through UOG and/or local law enforcement. The Policy Prohibiting Sexual Discrimination addresses the university's policy on sexual misconduct can be accessed at url.uog.edu/sexual-misconduct-policy.

Student Health Services

Community Health Nurse Supervisor:Georgette M.

Apuron, BSN/RNC

Location: Student Services Center

Tel: (671) 735-2225/6 | **Fax:** (671) 734-4651

Email: uogstudenthealth@triton.uog.edu

Hours: 9 a.m. – 4 p.m., Monday – Friday

Website: [Click here](#)

Student Health Services is committed to providing high-quality, accessible health services that meet the needs of the University of Guam's diverse student population. These health services are confidential and responsive to promoting optimal wellness, empowering students to make informed, self-directed, and healthy life decisions that will ultimately assist them in achieving their academic and career goals.

Student Health Services provides the following services:

- Basic First Aid for injuries that occur during regular school hours
- Referrals for health care needs
- Counseling on healthy living and health-related issues
- Health education based on assessments needs of the University's student population
- STI, Syphilis, and HIV testing and treatment in partnership with the STD/HIV Program of the Bureau of Communicable Disease Control under the Department of Public Health & Social Services
- Health screenings, such as blood pressure monitoring, pulse oximetry, and blood sugar monitoring, and BMI and weight checks

- Advocacy and referrals for persons with disabilities.

The Student Health Services office also provides health clearances for University enrollment, pursuant to Public Law 22-130, Title 10, of the Guam Code Annotated.

Health Requirements for All Students

All UOG applicants must present:

- Evidence of having been immunized against Measles, Mumps, and Rubella (either MMR#1 and MMR#2 immunization OR a MMR Titer proving immunity). Students born on or before 1957 are exempted from this MMR health requirement.
- Results of a Tuberculin (TB)/Purified Protein Derivative (PPD) skin test taken no earlier than six months from the date of application. Positive TB/PPD skin test results require the following additional health documentation and clearances:
 - Tuberculosis (TB) Evaluation Form with an attached Chest X-ray report, to be completed by your health care provider.
 - Certificate of Tuberculosis Evaluation. This is obtained by presenting the Tuberculosis (TB) Evaluation Form and Chest X-ray report to the Department of Public Health & Social Services' TB Control Program Office located at the Northern Region Community Health Center in Dededo.
- New and re-entry applicants must complete a Health Clearance Form and submit it to the Student Health Services office.

Health Requirements for International Students

Most medical care services in the United States are extremely expensive. To protect our 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.

Health Requirements for Exchange Students

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



Triton Fitness Center

Location: Calvo Field House

Tel: (671) 735-2862

Email: palmerd@triton.uog.edu

Facebook: www.facebook.com/uogrecreationandwellness

Website: www.uog.edu/athletics/triton-fitness-center

The Triton Fitness Center is open on weekdays for students to utilize free of charge and for faculty and staff and other community members to use for specified daily, yearly, or per semester [rates](#). The center features a fully renovated weightroom, two fitness rooms with cardio and weight-lifting machines, and updated locker rooms with personal showers. The center also hosts a variety of fitness classes throughout the week, including yoga and Zumba. Follow the Triton Recreation & Wellness Program on Facebook or visit the Triton Fitness Center webpage for the latest information on hours and classes.

STUDENT EXPERIENCES AND EXTRACURRICULAR OPPORTUNITIES

AmeriCorps UOG Volunteer Center

Program Director: Charlene B. Masiwemai

Tel: (671) 735-2231 / (671) 489-3389

Email: americorpsuog@triton.uog.edu or
bitlaolc3473@triton.uog.edu

Website: url.uog.edu/americorps

AmeriCorps UOG Volunteer Center is part of a network of national service programs funded by the Corporation for National and Community Service, sub granted by the Serve Guam Commission. The program uses a different approach to improving lives and fostering civic engagement, and members commit their time to address critical community needs.

AmeriCorps UOG offers services for high school and college students who aspire to do better academically and services to help high school graduates apply to a college and gain the skills required to do well in a post-secondary education setting. In addition, AmeriCorps members are stewards of the environment through

outreach in the community in areas of environmental stewardship and disaster preparedness.

Students can get involved by contacting the AmeriCorps office and becoming a part of the community volunteer registry. By becoming a part of this registry, students will be notified as volunteer opportunities become available.

Army ROTC Program

Recruitment Operations Officer: John W. Howerton

Tel: (671) 735-2541 / (671) 858-ROTC (7682)

Email: jhowerton@triton.uog.edu

Website: [Click here](#)

Students can position themselves for rewarding careers as Army officers by supplementing any major with a minor in Military Science and becoming part of the UOG Army Reserve Officers' Training Corps (ROTC) program. Approximately 110 students at UOG are also ROTC cadets, and another 400+ are presently serving in the Army.

The UOG ROTC program is highly active locally, regionally, and nationally. Cadets benefit from a range of leadership-building experiences, including shadowing military exercises, competing in national challenges, and training junior cadets in the region. They are also eligible for a number of scholarship opportunities.

National Student Exchange

Program Coordinator: Marlene Leon Guerrero

Tel: (671) 735-2201

Email: mslg@triton.uog.edu

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

International Student Exchange

Outreach Coordinator: Luigi Bansil
Tel: (671) 735-2607
Email: bansill@triton.uog.edu

Students have an opportunity to study at approximately 80 institutions in Japan and Korea that have international student exchange agreements with UOG. Approximately 25 of those institutions offer courses in English. An articulation of courses needs to be completed by the student's adviser to ensure the course credits transfers back to UOG, or students may opt to take courses not for credit.

The application period for International Student Exchange takes place in both the fanuchānan and fañomnākan semesters through the UOG Global Learning & Engagement office. Students must submit a statement of interest and a nomination letter from a faculty member. Upon review and approval by the Overseas Exchange Committee, students may select the institution they would like to attend.

Residence Halls

Director: Mark Mendiola

Location: See [Campus Map](#)

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

Email: rho@triton.uog.edu

Website: uog.edu/life-at-uog/residence-halls/life-in-the-halls

Living on campus contributes to the intellectual, social, and emotional well-being of the students who compose the residential community. The Residence Halls Office is responsible for providing student housing and promoting residence life programs. Student residents live conveniently near University resources, and they form a community that encourages academic excellence and is engaged with co-curricular programs, healthy recreational activities, and 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, 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 educational workshops, co-curricular and extracurricular activities, competitions, and events, such as movie nights, game days, and much more. The Residence Halls Governing Council is a student-resident organization that also supplements the residents' activities.

Volleyball and basketball courts for residents' use are located behind Dorm 1 and Dorm 2. Additionally, residents may use the weight room, exercise room, and indoor courts in the Calvo Field House.

Applying for Residence Halls

Residence Hall applications are available at . A \$100 reservation/security deposit is required at the time of the initial application. Payment options are available online, over the phone, or in person at the Bursar's Office. 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, visit 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.

Student Life

Student Life Office

Location: Student Center
Tel: (671) 735-0246
Email: studentlife@triton.uog.edu

The Student Life Office 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 Fanuchānan (Aug.–Dec.), Fañomnākan (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 on the [Triton Career Connections](#) website.

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.

Student Government Association

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

Website: www.uog.edu/student-services/student-government/

The Student Government Association 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.

Triton Athletics and Triton Recreation & Wellness

Athletics Director: Doug Palmer
Email: palmerd@triton.uog.edu

Facebook: [@UOGTritonAthletics](https://www.facebook.com/UOGTritonAthletics)

Athletics website: www.uog.edu/athletics/
Recreation website: www.uog.edu/athletics/recreation-wellness

Students can try out to play competitively on five varsity Triton Athletics teams: men's or women's basketball, men's or women's soccer, men's baseball, women's volleyball, and women's rugby. Students can also play recreationally on a variety of club teams or intramural sports through the Triton Recreation & Wellness Program.

Participating in athletics is a rewarding experience for students, not only for health and wellness and future opportunities as an athlete or coach, but in developing leadership experience and a team player mindset and in building Triton pride on campus and in the community. Scholarships are also available for student-athletes.



Watch for tryout announcements and recreation opportunities under News & Announcements on the UOG website and on the Triton Athletics on Facebook page.

Triton Esports

Esports Manager: Ken San Nicolas
Email: sannicolask@triton.uog.edu

Website: esports.uog.edu/

Students can try out to represent the University of Guam in esports against other colleges and universities in National Association of Collegiate Esports tournaments as well as other local and international competitions. Being a Triton Esports athlete is a rewarding experience for students in developing leadership experience and a team player mindset as well as in building Triton pride on campus and in the community. The esports athletes work with a team coach, a physical fitness coach, and a mental health coach. Scholarship opportunities are also available.

Watch for tryout announcements under News & Announcements on the UOG website and at esports.uog.edu/tryouts/.

Triton's Call Student Newspaper

Publisher: Manuel L. Cruz, Ph.D.

Location: English & Communications Building, 2nd Floor
Email: tritonscalluog@gmail.com

Website: [Click here](#)

Triton's Call is the University of Guam's student-run newspaper that has been providing news and information for the campus community since 1965. Students contributing to Triton's Call — students from the Communication & Media Program as well as students who want to take part as volunteers or guest contributors — gain experience in multimedia journalism and content creation under the guidance of faculty advisers.

ENROLLMENT MANAGEMENT & STUDENT SUCCESS

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. The services listed above, in addition to the Financial Aid Office and the Office of Admissions & Records, fall under the direction of the dean of Enrollment Management & Student Success:

Lawrence F. Camacho

Dean

Enrollment Management & Student Success
(671) 735-2292

lcamacho@triton.uog.edu

PUBLICATIONS

MICRONESICA

Editor: G. Curt Fiedler, Ph.D.
Tel: (671) 735-2852

Micronesica is a refereed journal in the natural sciences. It includes original research in the fields of archaeology; physical and medical anthropology; anthropological linguistics; systematic and ecological botany and zoology; agricultural sciences; marine sciences; and related disciplines concerned primarily with Micronesia and adjacent Pacific Islands. It is normally published twice per year with irregular supplements. Call (671) 735-2852 to purchase or subscribe.

THE MICRONESIAN EDUCATOR

Contact: Alicia Aguon, Dean of the School of Education
Tel: (671) 735-2444

Email: aliciaaguon@triton.uog.edu
Website: www.uog.edu/schools-and-colleges/school-of-education/micronesian-educator

The Micronesian Educator is a refereed journal of educational research and practice published annually by the School of Education. The journal invites contributions from researchers and practitioners who offer insights and understandings about education in Guam and Micronesia. The journal serves as a forum by which to share current research, theoretical perspectives, and innovative practices in education with a particular focus on this region.

STORYBOARD: A JOURNAL OF PACIFIC IMAGERY

Email: storyboard@triton.uog.edu
Website: www.uog.edu/uogpress/storyboard

Storyboard is a multilingual journal with a focus on Pacific writing. It publishes quality poetry, fiction, and non-fiction written in English or any other Pacific region language with translations into English, as well as appropriate art. Micronesian writers and artists are particularly encouraged

to submit material. It is normally published once per year by the Division of English & Applied Linguistics in the College of Liberal Arts & Social Sciences.

PACIFIC ASIA INQUIRY

Editor: Paul J. Fleming, Ph.D.
Email: pacific.asia@triton.uog.edu
Website: www.uog.edu/schools-and-colleges/college-of-liberal-arts-and-social-sciences/pacific-asia-inquiry

Pacific Asia Inquiry is a peer-reviewed online, occasional paper series with the purpose of serving the interests and concerns of both the specialist and the general reader, to encourage scholarship in the region, to provide a publication forum for the many disciplines now represented in Pacific Asian research.

OTHER PUBLICATIONS

Various publications of the Richard F. Taitano Micronesian Area Research Center and the College of Natural & Applied Sciences are also produced by University faculty and staff.

SCHOOLS AND COLLEGES

COLLEGE OF LIBERAL AND SOCIAL SCIENCES

ABOUT

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 Research 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.

DIVISIONS

- Division of Communication, Media, 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.

DEGREES

BACHELOR'S DEGREES

- Anthropology
- CHamoru Studies
 - CHamoru Studies
 - CHamoru Studies for Education
- Communication & Media
 - Communication Studies
 - Public Relations
 - Digital Cinema, Media, & Journalism
- English
 - Literature
 - Linguistics/ESL
 - English for Education
- Fine Arts
 - Art
 - Music
 - Theater
- History
 - History
 - History for Education
- Philosophy
- Political Science
 - Political Science
 - Government for Education
- Psychology
- Sociology
 - Gender & Family Studies
 - Social Problems Studies
 - Development Studies

MINORS

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

CERTIFICATES

- CHamoru Studies
- Ethics
- Island Wisdom: Foundation in Micronesian Seafaring
- Women & 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

ADMISSION

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.

ADVISEMENT & DECLARATION

See the [Academic Advisement section](#).

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 |
|---|--|
| Alpha Psi Omega: Sigma Upsilon National Theater Honor Society | Prof. Michelle Blas |
| The Anthropology Association | Dr. David Atienza |
| The English Society (English majors) | Dr. Christopher Garcia |
| The HeForShe Club | Ms. Deane Jessee-Jones and Dr. Angeline Ames |
| Lambda Pi Eta: Alpha Beta Eta Communication Honor Society | Drs. Linabeth Somera and Francis Dalisay |
| Mañelon Marianas | Dr. Kenneth Kuper |

| Student Organization | Faculty Advisor |
|---|--------------------------------------|
| Pi Sigma Alpha - National Political Science Honor Society | Dr. Mary Cruz |
| Political Science Student Association | Dr. Mary Cruz and Dr. Kenneth Kuper |
| Psi Chi - International Honor Society in Psychology | Dr. Yoshito Kawabata |
| Psychology Club | Dr. Yoshito Kawabata |
| UOG Communication Society | Dr. Linabeth Somera |
| Sigma Tau Delta: Alpha Zeta Xi International English Honor Society | Dr. David Gugin |
| The Society of Philosophy & Culture | Dr. Michael Hemmingsen |
| Sociology Club | Drs. Angeline Ames and Debra Cabrera |
| UOG Chapter of the United Nations Association of the United States of America | Dr. Arun Swamy |



COLLEGE OF NATURAL & APPLIED SCIENCES

ABOUT

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 landgrant 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.

DEGREES

DEGREE PROGRAMS

BACHELOR'S DEGREES

- **Agriculture & Life Sciences**
 - Agriculture & Natural Resource Science
 - Tropical Agriculture Production
 - Human Nutrition & Food Sciences
 - Child & Family Life Sciences
- **Biology**
 - Integrative Biology
 - Bio-Medical
 - Applied Biology
- **Chemistry**
 - Chemistry
 - Pre-Pharmacy
 - Chemistry-Biology Dual Degree
 - Chemistry Teaching Emphasis
- **Computer Science**
- **Mathematics**

MINORS

- **Agriculture**
 - Crop & Environmental Protection Science
 - Farm & Natural Resources Management
 - Food Science
 - Nutrition
 - Tropical Horticulture
- **Biology**
- **Chemistry**
- **Computer Science**
- **Mathematics**
- **Military Science** (Reserve Officers' Training Corps)

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

- Pre-Medical
- Pre-Optometry
- Pre-Dental
- Pre-Veterinary
- Pre-Pharmacy

ADMISSION

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.

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 MA085a-b or MA-089 or MA-110/MA-151 should seek appropriate advisement when choosing other courses.

ADVISEMENT & DECLARATION

See the [Academic Advisement section](#).

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 Advisors |
|---|---|
| UOG Agriculture & Life Sciences Club | Mari Marutani, Tanisha Aflague |
| UOG Biological Sciences Club | Daniel Lindstrom, Katharine Lofdahl |
| UOG Chemistry Club | Tedros Bezabeh, Maika Vuki |
| Engineering, Mathematics, Computer Science Club (EMC ²) | Yoshifumi Takenouchi, Jaeyong Choi, Marchell Herreros, Robert Babac |
| UOG Predental Student Association | Michael Orr |
| UOG Premedical Chapter: American Medical Student Association (AMSA) | Laura Biggs, Tedros Bezabeh |
| Society for Advancement for Chicanos and Native Americans in Science (SACNAS) | Austin Shelton, Cheryl Sanguenza |
| Student Tritons Alliance of ROTC (STAR) | Thomas Vu |
| Marine Opportunities/Nature Association (MO'NA) | Daniel Lindstrom, Michael Orr |
| UOG Green Army | Austin Shelton |

SCHOOL OF BUSINESS & PUBLIC ADMINISTRATION

ABOUT

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.

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.

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.

SOCIAL MEDIA

- Twitter: @uog_sbpa
- Instagram: @sbpa_uog
- Facebook: @uogsbpa

DEGREES

DEGREE PROGRAMS

BACHELOR'S DEGREES

- Accounting
- Business Administration*
- Criminal Justice
- Public Administration

* The BBA program replaced the BBA with Concentration program effective catalog year 2018–2019.

MASTER'S DEGREES

- Master of Accountancy



- Master of Public Administration
- Professional Master of Business Administration (on ground and online)

MINORS

- Public Administration
- Cybersecurity Management

CERTIFICATES AND SPECIAL INSTRUCTION PROGRAMS

- Health Services Administration
- Pre-Law
- Cybersecurity Management

ADMISSION

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 MA115, MA-161a/b, or MA-165 with a grade of "C" or better in both classes before enrolling in upper-division courses;

In addition to the above admission requirements, students must also comply with the following program requirements:

- Declared BBA majors are required to maintain 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;
- Declared BBAA majors are required to pass the Accounting Competency Exam as part of the prerequisites for BA-300 to continue with the program. Additionally, students must maintain at least a 3.0 GPA in the accounting major requirements and overall GPA; and

- For BBA, BSCJ, and BSPA degree programs, must earn a grade of "C" or better in major required coursework to include Foundation requirements.

ACADEMIC ADVISEMENT & ASSESSMENT COORDINATORS

Jaran Aguon

Academic Advisement and Assessment Coordinator
School of Business & Public Administration
(671) 735-2525
aguonj7261@triton.uog.edu

Iris P. Lapid

Administrative Support Assistant
School of Business & Public Administration
(671) 735-2501
lapidi@triton.uog.edu

Please also visit the [SBPA webpage](#) here.

STUDENT ORGANIZATIONS

Students have an opportunity to expand their special interests and social goals in the following student organizations. For information, contact the University of Guam Student Life Office at (671) 735-2271.

- American Marketing Association – UOG Collegiate Chapter
- Blue Key Honors Society
- Entrepreneur Society (E-Society)
- Golden Key Honors Society
- Junior Accountants Society
- Lambda Psi Chapter of Alpha Phi Sigma
- Omicron Delta Epsilon
- Public Administration and Legal Studies Club
- Society for Human Resource Management – UOG Student Chapter
- Soroptimist Sigma Society
- Student Center for the Public Trust – UOG Student Chapter
- Tourism Awareness Group
- Triton Investments



SCHOOL OF EDUCATION

ABOUT

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 and secondary education provided by the School of Education are accepted by the Guam Commission on Educator Certification (GCEC).

ACADEMIC MISSION

The mission for the School of Education is to prepare teachers, professionals, and leaders in education to meet the multicultural educational demands of Guam and the region in the Pacific. 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.

DIVISIONS

The School of Education is organized into two academic divisions:

- **Academic Education & Research Services**

This division, comprised of the Master of Counseling and Master of Education in Administration & Supervision programs, covers education theories and practices, educational psychology and research, and educational technology.

- **Professional Teacher Preparation**

This division, which includes the undergraduate education programs, Master of Arts in Teaching, and the majority of the Master of Education specializations, focuses on the pedagogical component of educator preparation with an emphasis on diversity in an effort to meet the needs of the island's public school system. Upon completion of our educator preparation programs, candidates meet the certification requirements for Guam. The Master of Education programs develop and advance candidates' skills to meet high need areas to support our local and regional school districts.

ACADEMIC AFFAIRS COMMITTEE

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.

STUDENT ORGANIZATIONS

| Student Organization | Advisor |
|---------------------------------------|--------------------|
| Gearing Education for Maximum Service | Dr. Jackysha Green |

DEGREES

DEGREE PROGRAMS

BACHELOR'S DEGREES

- [Elementary Education](#)
 - Optional specializations:
 - [Early Childhood Education](#)
 - [English as a Second Language](#)
 - [Special Education](#)
- [Secondary Education](#)
 - Option A: Content Major
 - Option B: Emphasis
 - Math
 - General Science
 - Physical Education/School Health
 - Fine Arts
 - Modern Language - Japanese
 - 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 & Supervision](#)
 - [Secondary Education](#)
 - [Reading \(online\)](#)
 - [Special Education](#)
 - [Teaching English to Speakers of Other Languages \(TESOL\)](#)

ADMISSION

Applying for Admission

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.

Admission Deadlines:

- Fañomnåkan (Jan.–May) admissions: Oct. 15



- Fanuchānan (Aug.–Dec.) admissions: March 15

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.

CERTIFICATION

Those with a bachelor's degree or higher seeking certification only must seek admission into the School of Education.

PROGRESSION

GRADE REQUIREMENTS

Students seeking degrees in the School of Education should familiarize themselves with the [General Education Requirements](#). 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.

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.

The letter grade system is used in all courses.

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.

See the [Academic Advisement section](#) to view the School of Education advisors.

STUDENT STATUS

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 Status

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 Status

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:
 - Praxis Principles of Learning and Teaching: K–6
 - Praxis 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.

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.



SCHOOL OF ENGINEERING

ABOUT

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 School of Engineering is preparing to seek accreditation for its Civil Engineering degree program through the Engineering Accreditation Commission of 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.

DEGREES

DEGREE PROGRAMS

BACHELOR'S DEGREES

- [Civil Engineering](#)

ADMISSION

ADMISSION REQUIREMENTS

Students who are planning to enroll in the program should be familiar with UOG's [admissions policies and procedures](#).

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:

| Course | Units |
|--------------------|--|
| 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

Students who have declared civil engineering as their major are required to seek academic advisement through School of Engineering. Students can email Ms. Ferna De La Pena at delapenaf@triton.uog.edu, who will be assigning their advisors.

STUDENT ORGANIZATIONS

Engineering students have opportunities for joining various professional organizations. For more information on the organizations below, contact the School of Engineering.

| Student Organization | Faculty Advisor |
|---|-------------------------|
| Society of American Military Engineers (SAME) | Dr. Ujwalkumar D. Patil |

| Student Organization | Faculty Advisor |
|---|--------------------------------------|
| Engineering, Mathematics, and Computer Science Club (EMC ²) | Dr. Fenglien Lee Dr. Jaeyong Choi |

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.

SCHOOL OF HEALTH

ABOUT

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. Now known as the School of Health, the school houses the Health Sciences, Nursing, and Social Work programs. 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.

DEGREES

DEGREE PROGRAMS

BACHELOR'S DEGREES

- [Health Science](#)
 - Pre-Physical Therapy
 - Exercise Science and Health Promotion
 - Public Health
- [Nursing](#)
 - Generic
 - Second-Step
- [Social Work](#)

ADMISSION

ADVISEMENT & DECLARATION

See the [Academic Advisement section](#).

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 | Veronica Alave |

UNDERGRADUATE ADMISSIONS

POLICIES & PROCEDURES

ADMISSIONS POLICIES & 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/admissions

ADMISSION PROCEDURES - DEGREE-SEEKING STUDENTS

ACADEMIC RENEWAL FOR PREVIOUSLY SUSPENDED STUDENTS

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.

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.

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.

INTERNATIONAL STUDENTS (F, J, AND OTHER ELIGIBLE VISAS)

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

4. 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.
5. 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.)
6. Submit copy of current passport and visa, if you are currently under a U.S. visa.
7. 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-offinancial-aid>.

8. 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.
9. 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).
10. 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.
11. Upon arrival at the University, take the English and Math Placement Tests (undergraduate students only). See Placement Test schedule in the application booklet.
12. Take the Sexual Misconduct Training prior to registration. For more information, contact moodlehelp@triton.uog.edu or call (671) 735-2620.

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.

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 (fanuchānan or fañomnākan) 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.

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.

TRANSFER STUDENTS

Applicants are considered transfer students if they have enrolled in any college-level coursework at another U.S. Department of Education-recognized accredited higher education institution or an equivalent foreign 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 PROCEDURES - NON-DEGREE STUDENTS AND OTHER PROGRAMS

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

AUDITING CLASSES

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 apply 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.

Auditor (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).

NOTE: 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).

BACHELOR'S DEGREE PROGRAM

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.

CONTINUING EDUCATION

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 coursework 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 Global Learning & Engagement. Contact (671) 735-2600.

ENGLISH LANGUAGE INSTITUTE

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.

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 timeframe. 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 degree 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.

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.

MILITARY AND VETERAN POLICIES, PROGRAMS, AND ASSISTANCE

VETERANS AND MONTGOMERY G.I. 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.

MANDATORY TRAINING OR MILITARY ACTIVATION DURING WARTIME

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.

COURSE PROTECTION GUARANTEE/ VETERANS BENEFITS & TRANSITION ACT OF 2018

(Board of Regents Resolution No. 19-33)

Effective January 2019, the University of Guam will allow veterans under Chapter 33 and Chapter 31 and dependents under Chapter 33TOE, 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 Vocational Rehabilitation students. The certification forms are available at the Financial Aid Office in the University of Guam 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.

PLACEMENT TESTS FOR NEW STUDENTS

All entering freshmen must take the English and mathematics placement tests prior to registration.



English placement test results will determine appropriate English placement. 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.

Math placement test results will determine the need for a student to take a developmental mathematics course, 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. Students placed into this course should seek appropriate advisement when choosing other courses.

TRANSFER STUDENTS AND PLACEMENT TESTS

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.

REQUIRED DOCUMENTS AND FEES

To be considered for admission, applicants must submit the following.

APPLICATION FEES (NON-REFUNDABLE)

| Entry Term | Resident | Non-Resident / Foreign |
|------------------------------|----------|------------------------|
| Fanuchånan (Aug.– Dec.) 2022 | \$52 | \$77 |

| Entry Term | Resident | Non-Resident / Foreign |
|-----------------------------|----------|------------------------|
| Fañomnåkan (Jan.– May) 2023 | \$52 | \$77 |
| Finakpo' (June– Aug.) 2023 | \$52 | \$77 |
| Tinalo' (Dec.–Jan.) 2023 | \$52 | \$77 |

HEALTH REQUIREMENTS FOR ADMISSION

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.

TRANSCRIPTS

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.

RIGHT TO APPEAL DENIED ADMISSION

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.

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.

TUITION & FEES

TUITION & FEES

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 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.

FACTORS IN DETERMINING RESIDENCY STATUS

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 STATUS

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 veteran eligible under the Post-9/11 Veterans Educational Assistance Act**

Students who are eligible for and utilize their benefits under the Post-9/11 Veterans Educational Assistance Act of 2010, including any family members to which the benefit can be legally transferred, are considered resident students for purposes of calculating tuition payment.

- **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.

NON-RESIDENT STATUS

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.

TUITION RATES

Fanuchånan (Aug.–Dec.) 2022

Fañomnåkan (Jan.–May) 2023

Finakpo' (June–Aug.) 2023

| Status | Cost Per Credit (Undergraduate) |
|--------------|---------------------------------|
| Resident | \$221 |
| Non-Resident | \$442 |

Auditing or Credit by Examination courses are the same rate as above. Military Science courses are tuition-free.

FEES

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

| Fee | Fanuchānan 2022 / Fañomnākan 2023 | Finakpo' 2023 |
|---|--|-----------------|
| Registration | \$12 | \$12 |
| Student Services | \$44 | \$24 |
| Library Services | \$48 | \$48 |
| Student Activities | \$24 | \$24 |
| Health Services | \$12 | \$12 |
| Recreation, Wellness, Sports, and Field House | \$75 | \$37.50 |
| Computer | \$48 | \$48 |
| Internet | \$100 | \$90 |
| Online Learning | \$40 | \$20 |
| TOTAL | \$403 | \$315.50 |

Undergraduate students taking five credits or less will be charged 50% of the student fee for the regular fanuchānan and fañomnākan 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 \$157.75.

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 FEES

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

Fanuchānan/Fañomnākan 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 | During 1st Week 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

Fanuchānan
2022 /
Fañomnākan
2023

Finakpo' 2023

| | | |
|---------------------------|----------------|-------------------|
| Tuition | \$2,800 | \$2,800 |
| Application Fee | \$352 | \$352 |
| *One-time; non-refundable | | |
| UOG Fees ¹ | \$249 | \$198.50 |
| TOTAL | \$3,401 | \$3,350.50 |

RETURNING STUDENTS

Fanuchānan
2022 /
Fañomnākan
2023

Finakpo' 2023

| | | |
|---------------------------|----------------|-------------------|
| Tuition | \$2,800 | \$2,800 |
| Registration Fee | \$52 | \$52 |
| *One-time; non-refundable | | |
| 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 2022-2023

| | |
|---|---------------------|
| 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 | \$100 |
| Graduation Reapplication Fee | \$50 |
| 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 \$15 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 \$65 (\$45 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.

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 fanuchānan (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 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. Satisfactory academic process is essential to remain eligible to receive funds from any Federal Title IV, state, or university aid programs.

Satisfactory Academic Progress (SAP) is assessed by the Financial Aid Office (FAO) 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 time frame for students to complete his or her program (i.e. based on credits attempted);
- A minimum number of units to be completed;
- A minimum grade point

To maintain Satisfactory Academic Progress (SAP) the following minimum requirements must be met:

UNDERGRADUATE

- Complete at least a minimum of 67% of credit hours attempted with a passing grade (see chart below);
- Have attempted 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);
- Must maintain a 2.00 cumulative Grade Point Average (GPA).

GRADUATE

- Complete at least a minimum of 67% of credit hours attempted with a passing grade (see chart below);
- Have attempted no more than 54 credit hours for Master's degree program (based on a 150% of 36 credit hour requirement degree Maximum credit hours for programs requiring more than 54 credits will be adjusted accordingly);
- Must maintain a 3.00 cumulative Grade Point Average (GPA).

BREAKDOWN OF REQUIRED NUMBER OF CREDITS

UNDERGRADUATE

| Credit Hours Attempted* | Enrollment Status | Minimum Credits to Complete Each Semester |
|-------------------------|-------------------|---|
| 20–21 | Full-time | 14 credits |
| 19 | Full-time | 13 credits |
| 17–18 | Full-time | 12 credits |
| 16 | Full-time | 11 credits |
| 14–15 | Full-time | 10 credits |
| 13 | Full-time | 9 credits |
| 12 | Full-time | 8 credits |
| 11 | ¾ - time | 8 credits |
| 10 | ¾ - time | 7 credits |
| 9 | ¾ - time | 6 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 | 8 credits |
| 9 | Full-time | 6 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. Fall and Spring semesters ADD/DROP period ends the Tuesday AFTER the first day of classes; Summer ADD/DROP period end on the first day of each session.

» To determine the amount of credits required (67% completed with a passing grade), multiply the number of credits you are enrolled in after the ADD/DROP period by .67.

SATISFACTORY ACADEMIC PROGRESS WARNING

Undergraduate students who fail to complete a minimum of 67% 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 67% 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 placed on academic probation by the Graduate School, they will no longer be eligible to receive financial aid funds, until they are 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. The student fails to make progress toward the minimum required cumulative GPA for two (2) consecutive semesters (Fall/Spring/Summer);
2. Failure to complete a minimum of 67% of the credit hours attempted for two (2) consecutive semesters (Fall/Spring/Summer);
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. The student has attempted more than 186 credit hours (undergraduates) / 54 credit hours (graduates)

towards their degree program and has not 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. Placed on Continued Probation by the Admissions and Records Office at the end of a semester;
8. First semester after a Dismissal or Suspension from the Admissions and Records Office;
9. Current academic status with the Admissions and Records Office shows any of the following: Continued Probation, Suspension, or Dismissal.
10. Student does not follow signed Planning Agreement from the Financial Aid Office (Appeal Process).

HOW TO RE-ESTABLISH AID ELIGIBILITY

If you are on suspension you may submit an appeal.

If your appeal is approved you will receive **one probationary semester** with contractual performance requirements. Approval is not guaranteed and you will be held responsible for any debts incurred if you enroll while on financial aid suspension. Aid eligibility may be reinstated for the semester during which your petition is approved, but **not for prior semester(s)** that you may have attended while on financial aid suspension.

Appeal Process:

1. You must submit a written **petition** to appeal any financial aid suspension if you believe your failure to make satisfactory progress (SAP) was due to special circumstances. The petition should be **one legible page** and address the following:
 - a. **Explain why you failed to meet the SAP requirements:** You must list the special circumstances that impacted your ability to be academically successful. If it is due to an illness, accident, or death for a family member then provide documentation such as death certificate of an **immediate family member**, proof of a **personal illness or injury**, or documents that prove some special circumstance that was beyond your control.
 - b. **Explain what has changed:** You must include a self-evaluation explaining what steps you are taking to ensure your own academic success in future semesters. If necessary you should provide

documentation from a service provider supporting your ability to be academically successful.

A student should submit an 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** that the financial aid is desired. Failure to adhere to this time line will result in the student losing their right to appeal their suspension.

Appeals with mitigating circumstances must be approved by the Director of 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 of their appeal. A response on the status of the appeal to the student will be given within 45 working days after submission of the appeal.

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

UNDERGRADUATE REGISTRATION

ACADEMIC ADVISEMENT

ADVISEMENT

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:

| If you are: | Your advisor is: |
|--|---|
| Undeclared with less than 30 credits | EMSS counselors or college advisors if you are undeclared in a college. |
| Declared with less than 60 credits | College advisors for the major you have declared or program you are in. |
| Undeclared and a transfer student | EMSS counselors |
| Declared and a transfer student | College advisors if declared or undeclared in a college. |
| Declared and not covered by any 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.

UNDECLARED STUDENTS

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Cyaundra Quitugua

Senior Student Academic Counseling Specialist
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DECLARED STUDENTS

College of Liberal Arts & Social Sciences

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.

Students with a declared major or minor should contact one of the liaisons in their field listed below and request assignment to an advisor in that field.

CLASS Advising Specialist

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Division of Communication & Media / Fine Arts

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Division of Social & Behavioral Sciences

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College of Natural & Applied Sciences

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.

Less than 61 credits and Pre-Professional Tracks:

Katrina Marie G. Quinata

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College of Natural & Applied Sciences
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More than 61 credits:

Contact one of the liaisons in your declared major or minor listed below and request assignment to an adviser in that field.



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Jian Yang

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Maika V. Vuki

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COMPUTER SCIENCE

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MATHEMATICS

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Yoshifumi Takenouchi

Assistant Professor of Mathematics
College of Natural & Applied Sciences
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MILITARY SCIENCE/ARMY ROTC

John W. Howerton

Recruiting Operations Officer / ROTC Adviser
Army ROTC - College of Natural & Applied Sciences
(671) 735-2541



jhowerton@triton.uog.edu

School of Business & Public Administration

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.

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.

NEW AND TRANSFER STUDENTS

Jaran Aguon

Academic Advisement and Assessment Coordinator
School of Business & Public Administration
(671) 735-2525
aguonj7261@triton.uog.edu

Iris P. Lapid

Administrative Support Assistant
School of Business & Public Administration
(671) 735-2501
lapidi@triton.uog.edu

ACCOUNTING (BBAA)

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.

Doreen T. Crisostomo-Muña

Professor of Accounting / I Meyeng UOG-Certified Online Teacher
School of Business & Public Administration
(671) 735-2501/20
doreentc@triton.uog.edu

Martha G. Suez-Sales

Assistant Professor of Accounting
School of Business & Public Administration
(671) 735-2501
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BUSINESS ADMINISTRATION (BBA)

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.

General Business Pathway

James Ji

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Roseann M. Jones

Professor of Economics, SBPA Interim Dean
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Albert Valentine

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Joann C.E. Diego

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Profile Not Found

Professional Pathway

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Professor of Practice in Management

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Corey A. Ross

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School of Business & Public Administration
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Fred R. Schumann

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Honors Pathway

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Maria Claret M. Ruane

Professor of Economics

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CRIMINAL JUSTICE

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.

Ronald B. Aguon

Assistant Professor of Public Administration

School of Business & Public Administration
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Ronald L. McNinch-Su

Associate Professor of Public Administration

School of Business & Public Administration
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mcninchr@triton.uog.edu

Frank T. Ishizaki

Instructor of Legal Studies, Expert in Residence

School of Business & Public Administration
(671) 735-2501/20

ishizakif@triton.uog.edu

PUBLIC ADMINISTRATION

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.

Ronald B. Aguon

Assistant Professor of Public Administration

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Ronald L. McNinch-Su

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rojasg@triton.uog.edu

Ansito Walter

Professor of Public Administration
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(671) 735-2572
waltera@triton.uog.edu

School of Education

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.)

Specific degree program advisors are listed below.

ELEMENTARY EDUCATION

Jackysha N. Green

Assistant Professor of Elementary Education
School of Education

(671) 735-2406

greenj5925@triton.uog.edu

Matthew C. Limtiaco

Assistant Professor of Elementary Education
School of Education
(671) 735-2412
limtiacomc@triton.uog.edu

SECONDARY EDUCATION

Michelle M.S. Santos

Associate Professor of Education / Chair of the Division of Professional Teacher Preparation
School of Education
(671) 735-2409
msantos@triton.uog.edu

School of Engineering

A student who wishes to declare Civil Engineering as a major must initially consult the [Student Counseling Office](#). Once declared, students can contact the School of Engineering administrative officer below to be assigned an academic adviser.

CIVIL ENGINEERING / CIVIL ENGINEERING DOUBLE MAJORS

Fernabel D. De La Pena

Administrative Officer
School of Engineering
(671) 735-2761
delapenaf@triton.uog.edu

School of Health

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 regarding 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.

Students are advised to email soh.help@triton.uog.edu for all advisement inquiries.

Specific degree program advisors are listed below.

Gerhard J. Schwab

Professor of Social Work
School of Health
(671) 735-2961
gerhardschwab@triton.uog.edu

HEALTH SCIENCES

Francine M. Naputi

Assistant Professor of Health Sciences and CHamoru Studies
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NURSING

Nursing majors are advised to email soh.help@triton.uog.edu for all advisement inquiries.

SOCIAL WORK

Tressa P. Diaz

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Tricia A. Lizama

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Lisalinda S. Natividad

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REGISTRATION POLICIES AND PROCEDURES

WITHDRAWAL POLICY

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**

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.

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 the outstanding balance.

Veterans may be covered with a Course Protection Guarantee under the Veterans Benefits & Transition Act of 2018. Refer to UOG's [Military and Veteran Policies](#).

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.

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.

FIRST-YEAR SEMINAR (FY-101) COURSE REQUIREMENT

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.

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 3.0. Once accepted as an Honors Student, the student must maintain a GPA of 3.30.

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.

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.

ACADEMIC POLICIES AND GRADUATION REQUIREMENTS

ACADEMIC RULES AND REGULATIONS

ACADEMIC PROBATION, SUSPENSION, AND 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.

RETAKEING 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.

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:

Office of Institutional Effectiveness
Tel: (671) 735-2646
Email: oiie@triton.uog.edu

If you would like to request for accommodations when taking these assessments, at least two weeks prior to testing, contact:

Sallie Sablan, Senior Academic Counselor
Tel: (671) 735-2460
Email: sssablan@triton.uog.edu

ASSESSMENT OF STUDENT LEARNING OUTCOMES - STUDENT WORKS AS ARTIFACTS

The University of Guam is committed to continuous assessment of its programs and curriculum 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 the student's permission. The artifacts may be displayed for viewing as evidence of student learning in printed, electronic, or web formats. Submitting an artifact of student work for assessment reporting by program faculty 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:

Office of Institutional Effectiveness
Tel: (671) 735-2646
Email: oiie@triton.uog.edu
Website: <https://www.uog.edu/oiie>

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 fulltime student is defined as one registered for at least 12 credits during both fanuchānan (Aug.–Dec.) and fañomnākan (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:

| Class Level | Credit Hours |
|-------------|-------------------|
| Freshman | 1–30 (inclusive) |
| Sophomore | 31–60 (inclusive) |
| Junior | 61–90 (inclusive) |
| Senior | 91+ |

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 | Percent Grade | Definition |
|--------------|-------------------|---------------|---|
| A+ | 4.00 | 98-100% | Outstanding Honors-level performance with superior quality and extraordinary distinction. |
| A | 4.00 | 93-97% | |

| Letter Grade | Grade Point Value | Percent Grade | Definition |
|--------------|-------------------|---------------|---|
| A- | 3.67 | 90-92% | |
| B+ | 3.33 | 87-89% | Good Solid accomplishment, indicating a substantial mastery of course materials and a good command of skills required by the course. |
| B | 3.00 | 83-86% | |
| B- | 2.67 | 80-82% | |
| C+ | 2.33 | 77-79% | Adequate Students have achieved the level of competency needed for advancing to a subsequent course that has this course as prerequisite. |
| C | 2.00 | 70-76% | |
| D | 1.00 | 60-69% | Deficient Minimal passing, but not adequate to take a subsequent course that has this course as prerequisite. |
| F | 0.00 | <60% | Failure Inadequate to receive credits. |

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

The letter grades A+ through F (and I) must be used in every course unless specified otherwise in the official catalog course description. The grade NC is not used in most courses. Other symbols, assigned by the Office of Admissions & Records, are administrative and do not evaluate 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 academic 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 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 GPA 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 Fanuchānan 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.

| Degree of Achievement | GPA |
|-----------------------|--------------------------------|
| 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.

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.

GRADUATION/CATALOG-IN-FORCE REQUIREMENTS

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.

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:

Office of Institutional Effectiveness
Tel: (671) 735-2646
Email: oiie@triton.uog.edu

If you would like to request for accommodations when taking these assessments, at least two weeks prior to testing, contact:

| Sallie Sablan, Senior Academic Counselor

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

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.

CATALOG-IN-FORCE REQUIREMENTS

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.

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.

PROGRAM DISCONTINUATION & 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."

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:

select another major from the catalog in force and must complete the requirements with the time specified for that plan; or

select a major from the catalog in force at the time of change, thereby establishing a new timeline.

TIMELINE TO FULFILL CATALOG-IN-FORCE REQUIREMENTS

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).

TRANSFERRING CREDITS AND ALTERNATE WAYS TO SATISFY CREDIT REQUIREMENTS

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

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 |

| Titles | Required Percentile | UOG Equivalent |
|--|---------------------|----------------|
| 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.

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.

DEFENSE ACTIVITIES FOR NON-TRADITIONAL EDUCATION SUPPORT (DANTES)

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:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|---------------------------|
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |

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 |

| Numbers | Titles | UOG Equivalent |
|-----------------|---|--|
| 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 |

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.)

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 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.

GENERAL EDUCATION

GENERAL EDUCATION REQUIREMENTS

REQUIREMENTS

SUMMARY OF GENERAL EDUCATION TIER REQUIREMENTS

| Tier | Title | Credit Hours |
|--------------|--|---|
| Tier I | Core Foundation | 15 |
| Tier II | Breadth Through Diversity & Direction <ul style="list-style-type: none"> Diversity Foundation Uniquely UOG Direction Building | 16 7 9-11 |
| Tier III | Capstone Experience | 0 for GE |
| TOTAL | | Up to 47 credit hours (*plus possibly 2 lab hours) |

TIER I: CORE FOUNDATION

15 credit hours required

Minimum grade of "C."

Complete within first 3 semesters.

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 expectancies 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).

Required Courses (15 credit hours)

Written Communication:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|---------------------------|
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |

Oral Communication:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |

Quantitative Reasoning:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| MA110 | BASIC MATHEMATICAL APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |

or higher-level mathematics course

Information Literacy:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|---------------------------|
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |

Critical Thinking:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------|---------|---------------------------|
| CT101 | CRITICAL THINKING | 3 | FALL/SPRING/ ALL YEARS |

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. One course in this area or Human Sciences must include a lab.)

TIER II: BREADTH THROUGH DIVERSITY & DIRECTION

32-34 credit hours required

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). (One course in Science and Math OR in Human Sciences must include a lab.)

SCIENCE & MATH (3-4 credit hours)

one course in this area or Human Sciences must include a lab

Agriculture

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| AL101 | INTRODUCTION TO AGRICULTURE | 3 | FALL/SPRING/ ALL YEARS |
| AL101L | INTRODUCTION TO AGRICULTURE LAB | 1 | FALL/SPRING/ ALL YEARS |
| AL102 | INTRODUCTION TO PLANT SCIENCE | 3 | FALL/SPRING/ ALL YEARS |
| AL102L | INTRODUCTION TO PLANT SCIENCE LAB | 1 | FALL/SPRING/ ALL YEARS |
| AL109 | INSECT WORLD | 3 | FALL ONLY/ EVEN YEARS |
| AL109L | INSECT WORLD LAB | 1 | FALL ONLY/ EVEN YEARS |
| AL136 | SCIENCE OF AQUACULTURE | 3 | SPRING ONLY/ ALL YEARS |
| AL136L | SCIENCE OF AQUACULTURE LAB | 1 | SPRING ONLY/ ALL YEARS |

Biology

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| BI103 | MARINE BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI103L | MARINE BIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI201 | NATURAL HISTORY OF GUAM | 3 | AS REQUIRED |

Business Administration

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA130 | INTRODUCTION TO COMPUTERS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA205 | DATA AND STATISTICS FOR BUSINESS AND GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |

Chemistry

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CH100 | INTRODUCTION TO INORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH100L | INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH101 | INTRODUCTION TO ORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH101L | INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Computer Science

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| CS200 | COMPUTER APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |

Geography

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| GE203 | PRINCIPLES OF PHYSICAL GEOGRAPHY | 4 | SPRING ONLY/ ALL YEARS |

Math

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| MA115 | INTRODUCTORY COLLEGE ALGEBRA | 3 | FALL/SPRING/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

HUMAN SCIENCES (3-4 credit hours)

one course in this area or Science & Math must include a lab

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.)

Agriculture

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| AL101 | INTRODUCTION TO AGRICULTURE | 3 | FALL/SPRING/ ALL YEARS |
| AL101L | INTRODUCTION TO AGRICULTURE LAB | 1 | FALL/SPRING/ ALL YEARS |
| AL102 | INTRODUCTION TO PLANT SCIENCE | 3 | FALL/SPRING/ ALL YEARS |
| AL102L | INTRODUCTION TO PLANT SCIENCE LAB | 1 | FALL/SPRING/ ALL YEARS |
| AL109 | INSECT WORLD | 3 | FALL ONLY/ EVEN YEARS |
| AL109L | INSECT WORLD LAB | 1 | FALL ONLY/ EVEN YEARS |
| AL136 | SCIENCE OF AQUACULTURE | 3 | SPRING ONLY/ ALL YEARS |
| AL136L | SCIENCE OF AQUACULTURE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |

Anthropology

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------|---------|-------------------------|
| AN203 | INTRODUCTION TO ARCHAEOLOGY | 3 | FALL ONLY/ ALL YEARS |

Biology

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|--------------|
| BI110 | HUMAN BIOLOGY | 3 | AS REQUIRED |
| BI110L | HUMAN BIOLOGY LABORATORY | 1 | AS REQUIRED |

Geography

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| GE101 | INTRODUCTION TO GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |

Health Sciences

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|---------------------------|
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |

Philosophy

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|-------------------------|
| PI210 | INTRODUCTION TO LOGIC | 3 | FALL ONLY/ ODD YEARS |

Political Science

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| PS215 | INTERNATIONAL RELATIONS | 4 | SPRING ONLY/ ALL YEARS |

Psychology

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Sociology

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO221 | SOCIOLOGY OF HEALTH AND MEDICINE | 3 | FALL ONLY/ ALL YEARS |

CREATIVE & EXPRESSIVE ARTS (3 credit hours)

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.)

Art

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| AR101 | INTRODUCTION TO ART | 3 | FALL/SPRING/ ALL YEARS |
| AR102 | STUDIO FOR NON-MAJORS | 3 | FALL/SPRING/ ALL YEARS |

English

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|---------------------------|
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |

Music

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| MU101 | MUSIC FUNDAMENTALS | 3 | FALL/SPRING/ ALL YEARS |
| MU102 | WORLD MUSIC | 3 | FALL ONLY/ ALL YEARS |
| MU106 | INTRODUCTION TO MUSIC | 3 | FALL/SPRING/ ALL YEARS |
| MU110 | CLASS VOICE | 1 | FALL/SPRING/ ALL YEARS |
| MU121 | BEGINNING CLASS PIANO | 2 | FALL ONLY/ ALL YEARS |

Theater

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------|---------|---------------------------|
| TH101 | INTRODUCTION TO THE THEATER | 3 | FALL/SPRING/ ALL YEARS |
| TH102 | ACTING I | 3 | FALL/SPRING/ ALL YEARS |

HUMAN SYSTEMS & ORGANIZATIONS (3 credit hours)

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.)

Business Administration

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |

Communication

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| CO106 | INTRODUCTION TO MASS COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |

Geography

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| GE201 | WORLD REGIONAL GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |

Health Science

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|---------------------------|
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |

History

| Course | Course Title | Credits | Term Offered |
|--------|------------------|---------|---------------------------|
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| HI122 | WORLD HISTORY II | 3 | FALL/SPRING/ ALL YEARS |

Linguistics

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| LN101 | INTRODUCTION TO LANGUAGE | 3 | FALL/SPRING/ ALL YEARS |

Philosophy

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| PI101 | INTRODUCTION TO PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |
| PI102 | CONTEMPORARY ETHICAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |

Political Science

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |

Public Administration

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA233 | IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS | 3 | FALL/SPRING/ ALL YEARS |

Social Work

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| SW110 | INTRODUCTION TO COMMUNITY SERVICES ON GUAM | 3 | FALL/SPRING/ ALL YEARS |

Sociology

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| SO202 | CONTEMPORARY SOCIAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |

Women and Gender

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| WG101 | INTRODUCTION TO WOMEN & GENDER STUDIES | 3 | FALL/SPRING/ ALL YEARS |

CULTURAL PERSPECTIVES (3 credit hours)

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.)

Anthropology

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| AN101 | INTRODUCTION TO ANTHROPOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Education

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| ED265 | CULTURE AND EDUCATION IN GUAM | 3 | FALL/SPRING/ ALL YEARS |

History

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |

Modern Language

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|-------------------------|
| JA217 | JAPANESE CULTURE AND SOCIETY | 3 | FALL ONLY/ ALL YEARS |

Philosophy

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-------------------------|
| PI103 | INTRODUCTION TO ASIAN AND NON-WESTERN PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |

Political Science

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |

Social Work

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| SW201 | SOCIAL WELFARE AND DEVELOPMENT: GLOBAL CHALLENGES | 3 | FALL/SPRING/ ALL YEARS |

UNIQUELY UOG (UU) (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

4 credits must be from language

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| CM101 | ELEMENTARY CHAMORU I | 4 | FALL ONLY/ ALL YEARS |
| CI101 | ELEMENTARY CHINESE (MANDARIN) I | 4 | AS REQUIRED |
| FR101 | ELEMENTARY FRENCH I | 4 | AS REQUIRED |
| GN101 | ELEMENTARY GERMAN I | 4 | AS REQUIRED |
| JA101 | ELEMENTARY JAPANESE I | 4 | FALL/SPRING/ ALL YEARS |
| KO101 | ELEMENTARY KOREAN I | 4 | FALL/SPRING/ ALL YEARS |
| PN101 | CONVERSATIONAL POHNPEIAN | 4 | AS REQUIRED |
| SN101 | ELEMENTARY SPANISH I | 4 | FALL/SPRING/ ALL YEARS |
| TA101 | CONVERSATIONAL TAGALOG I | 4 | FALL/SPRING/ ALL YEARS |

Regional

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| BI103 | MARINE BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI103L | MARINE BIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI201 | NATURAL HISTORY OF GUAM | 3 | AS REQUIRED |
| ED265 | CULTURE AND EDUCATION IN GUAM | 3 | FALL/SPRING/ ALL YEARS |
| EN213 | LITERATURE, MYTH AND CULTURE | 3 | FALL/SPRING/ ALL YEARS |
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |
| JA215 | JAPANESE FOR TOURISM | 4 | SPRING ONLY/ ALL YEARS |
| PA201 | PUBLIC ADMINISTRATION IN GUAM AND IN THE WESTERN PACIFIC | 3 | FALL/SPRING/ ALL YEARS |
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |
| PY100 | PERSONAL ADJUSTMENT | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| SW110 | INTRODUCTION TO COMMUNITY SERVICES ON GUAM | 3 | FALL/SPRING/ ALL YEARS |

DIRECTION BUILDING (DB) (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.

- 1.CF, DF, or UU as prerequisite (can be within a declared major)
- 2.DF or Major Exploration
- 3.DF or UU Exploration outside major requirements (may apply to a minor or second major)

TIER III: CAPSTONE EXPERIENCE

0 credits in General Education (course within major)

PROGRAM MAJOR CAPSTONE COURSE

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.

CAPSTONE COURSES PER PROGRAM

Agriculture and Life Sciences

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

Biology

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI410 | ECOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI410L | ECOLOGY LABORATORY | 2 | SPRING ONLY/ ALL YEARS |

Business Administration

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| BA480 | BUSINESS STRATEGY AND POLICY | 3 | FALL/SPRING/ ALL YEARS |

Criminal Justice

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| LW480 | CRIMINAL JUSTICE CAPSTONE | 3 | FALL/SPRING/ ALL YEARS |

CHamoru Studies

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| CM412 | TOPICS IN CHAMORU STUDIES | 3 | SPRING ONLY/ ODD YEARS |

Communication

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| CO491 | CURRENT ISSUES IN COMMUNICATION AND SOCIETY | 3 | FALL/SPRING/ ALL YEARS |

Education

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

English

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|---------------------------|
| EN480 | LITERARY THEORY | 3 | SPRING ONLY/ ALL YEARS |
| LN400 | APPLIED LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |

Fine Arts

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|---------------------------|
| FA431 | SURVIVAL IN THE ARTS | 3 | SPRING ONLY/ ODD YEARS |

Geography

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|-------------------------|
| GE401 | GEOGRAPHY OF THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |

Sociology

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| SO491 | SOCIOLOGICAL RESEARCH SEMINAR | 3 | SPRING ONLY/ ALL YEARS |

History

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|--------------|
| HI492 | CAPSTONE IN HISTORY | 1 - 3 | |

PLANNING SHEET

Start planning your Triton journey with this General Education student advisement sheet, which will ensure that you fulfill the proper General Education requirements needed to graduate from the University of Guam. For additional course requirements needed for graduation, visit your intended [Degree Program](#) page and view the "Degree Requirements" tab.

[Download the Student Planning Sheet](#)

Political Science

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| PS492 | CAPSTONE IN POLITICAL SCIENCE | 1 | FALL/SPRING/ ALL YEARS |

FRAMEWORK

GENERAL EDUCATION

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.

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.

A THREE-TIERED STRUCTURE

After extensive reviews and discussion, the UOG Faculty Senate General Education Review Committee (GERC)

Psychology

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-------------------------|
| PY413 | RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES | 3 | FALL ONLY/ ALL YEARS |

Public Administration

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| PA480 | PUBLIC ADMINISTRATION CAPSTONE | 3 | FALL/SPRING/ ALL YEARS |

developed a three-tiered framework to the General Education curriculum.

- **Tier I - Core Foundation**

Provides a foundation of the five WASC core competencies.

- **Tier II - 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 - 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.

NOTES ON GENERAL EDUCATION COURSES

- Some of the General Education courses 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.

DEGREE PROGRAMS

UNDERGRADUATE

BACHELOR OF ARTS

- **Anthropology**
- **CHamoru Studies**
 - CHamoru Studies
 - CHamoru Studies for Education
- **Communication & Media**
 - Communication Studies
 - Public Relations
 - Digital Cinema, Media, & Journalism
- **Education - Elementary**
 - Early Childhood Education
 - English as a Second Language
 - Special Education
- **Education - Secondary**
 - Option A: Subject Major
 - Option B: One Teaching Area of Specialty:
 - Math
 - General Science
 - Physical Education/School Health
 - Fine Arts
 - Modern Language - Japanese
 - Career and Technical Education
 - Additional Specializations:
 - English as a Second Language
 - Special Education
- **English**
 - Literature
 - Linguistics/ESL
 - English for Education
- **Fine Arts**
 - Art
 - Music
 - Theater
- **History**
 - History
 - History for Education

- **Philosophy**
- **Political Science**
 - Political Science
 - Government for Education
- **Psychology**
- **Sociology**
 - Gender & Family Studies
 - Social Problems Studies
 - Development Studies

BACHELOR OF BUSINESS ADMINISTRATION

- **Accounting**
- **Business Administration**

BACHELOR OF SCIENCE

- **Agriculture & Life Sciences**
 - Agriculture & Natural Resource Science
 - Tropical Agriculture Production
 - Human Nutrition & Food Sciences
 - Child & Family Life Sciences
- **Biology**
 - Integrative Biology
 - Bio-Medical
 - Applied Biology
- **Chemistry**
 - Chemistry
 - Pre-Pharmacy
 - Chemistry-Biology Dual Degree
 - Chemistry Teaching Emphasis
- **Civil Engineering**
- **Computer Science**
 - Pathway: Associate of Science in Computer Science UOG Track from GCC
 - Pathway: Pre-Computer Science at UOG
- **Criminal Justice**



- **Health Science**
 - Pre-Physical Therapy
 - Exercise Science and Health Promotion
 - Public Health
- **Mathematics**
- **Nursing**
 - Generic BSN
 - Second-Step BSN (Graduates of Diploma or Associate Degree Programs)
- **Public Administration**
- **Social Work**

PRE-PROFESSIONAL PROGRAMS

- **Pre-Dental, Pre-Medical, Pre-Optometry, Pre-Pharmacy, and Pre-Veterinary**
- **Pre-Law**

GRADUATE

MASTER OF ACCOUNTANCY

- Master of Accountancy

MASTER OF ARTS

- Counseling
- English
 - Linguistics
 - Literature
- Micronesian Studies
- Teaching

MASTER OF EDUCATION

- Education
 - Specializations:
 - Administration and Supervision
 - Reading (online)
 - Innovations in Teaching & Learning
 - Special Education
 - Teaching English to Speakers of Other Languages (TESOL) (on campus or online)

MASTER OF PUBLIC ADMINISTRATION

- Master of Public Administration

MASTER OF SCIENCE

- Biology
- Clinical Psychology
- Environmental Science
- Sustainable Agriculture, Food and Natural Resources (SAFNR)

PROFESSIONAL MASTER OF BUSINESS ADMINISTRATION

- Professional Master of Business Administration (PMBA) (on campus and online)

MINORS

- **Agriculture**
 - Crop & Environmental Protection Science
 - Farm & Natural Resources Management
 - Food Science
 - Nutrition
 - Tropical Horticulture
- **Anthropology**
- **Biology**
- **CHamoru Studies**
- **Chemistry**
- **Communication & Media**
- **Computer Science**
- **Cybersecurity Management**
- **English**
 - English
 - Writing
- **Fine Arts**
 - Art
 - Music
 - Theater
- **Geography**
- **Health Services Administration**
- **History**
- **Japanese Language**
- **Library Science**
- **Mathematics**
- **Military Science (Reserve Officer Training Corps)**
- **Philosophy**
 - Philosophy
 - Ethics
- **Political Science**
- **Psychology**
- **Public Administration**
- **Sociology**
- **Women & Gender Studies**

CERTIFICATES

UNDERGRADUATE

- CHamoru Studies
- Cybersecurity Management
- Ethics
- Health Services Administration
- Island Wisdom: Foundations in Micronesian Seafaring
- Library Science
- Women & Gender Studies

GRADUATE

- Micronesian Studies
- Sustainable Agriculture, Food and Natural Resources (SAFNR)
 - Agriculture and Natural Resources
 - Food and Technology
 - International Agriculture
 - Island Sustainability
 - Tropical Horticulture
- Teaching

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

ANTHROPOLOGY PROGRAM

anthropology, power, ethnohistory, and visual anthropology.

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
- 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

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;
5. Analyze anthropological data in both oral and written forms.

Student Advisement

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS (39 CREDIT HOURS)

Required Courses (21 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| AN101 | INTRODUCTION TO ANTHROPOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| AN203 | INTRODUCTION TO ARCHAEOLOGY | 3 | FALL ONLY/ ALL YEARS |
| AN212 | CULTURAL ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |
| AN234 | LINGUISTIC ANTHROPOLOGY LINGUISTIC ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |
| AN320 | PEOPLE OF THE PACIFIC | 3 | SPRING ONLY/ ALL YEARS |
| AN413 | RESEARCH METHODS IN ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |
| MA385 | APPLIED STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (18 credit hours)

| Course | Course Title | Credits | Term Offered |
|---|---------------------------------------|----------------|---------------------------|
| AN321 | VISUAL ANTHROPOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| AN369 | SPECIAL TOPICS | 3 | FALL/SPRING/ ALL YEARS |
| AN381 | ASIA-PACIFIC MARITIME ARCHAEOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| AN462 | ADVANCED FIELD METHODS IN ARCHAEOLOGY | 3 - 6 | AS REQUIRED |
| AN341 | CULTURAL ECOLOGY | 3 | FALL ONLY/ ODD YEARS |
| Any upper-level Anthropology (AN) course | | 3 credit hours | |

MINOR REQUIREMENTS (21 CREDIT HOURS)

Required Courses (15 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| AN101 | INTRODUCTION TO ANTHROPOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| AN203 | INTRODUCTION TO ARCHAEOLOGY | 3 | FALL ONLY/ ALL YEARS |
| AN212 | CULTURAL ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |
| AN234 | LINGUISTIC ANTHROPOLOGY LINGUISTIC ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |
| AN413 | RESEARCH METHODS IN ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |

Elective Courses (6 credit hours)

Any upper-division (300- or 400-level) [Anthropology \(AN\)](#) courses.

GENERAL EDUCATION REQUIREMENTS

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Direction Building (9-11 credit hours)

1) CF, DF, or UU as a prerequisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|-------------------------|
| AN212 | CULTURAL ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-------------------------|
| AN234 | LINGUISTIC ANTHROPOLOGY LINGUISTIC ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |

Tier III: Capstone Experience

1) Major Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|-------------------------|
| AN413 | RESEARCH METHODS IN ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |

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CHAMORU STUDIES PROGRAM

PROSPECTUS

I hinangai-ña i Prugrâman Inestudion CHamoru gi Unibetsedât Guahan na para u susteni yan na'lâ'la' mo'na un kuminidât CHamoru ni' tekngo' gi Fino' CHamoru. Para u kumple este gi i fina'nâ'guen i fihu manmagraduduha na estudiante ni' mangkapas gi tumutuge' yan kumuekuentos gi Fino' CHamoru. Para u mana'saosaonao lokkue' tâddong 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 kumunidât yan para i kumunidât.

I Prugrâman Inestudion CHamoru para u na'dokko' gi estudiante-ta, iyon-ñiha hinasson mananacha, inagradesi para i meggai na klâsen taotao yan kottura, i direchon i manaotao yan pi'ot i mannatibu, yan i responsiblidât gi kumunidât. Para u mana'dokko' lokkue' i kapasidât-ñiha gi henga yan matuge' na klâsen inekspresia . I Prugrâman Inestudion CHamoru para u kubre meggai na suheto, todû umu'usa tiningo' put Chinamorro yan i lugat-ña gi hilo' tâno' yan gi hestoria. I Prugrâma para u ofresi klas siha gi Fino' CHamoru, Tiningo' put Taotao, Naturat na Tiningo', Tinaitai Lepblo, Yeografia, Hestoria, Inestudion Pulitikât, Tiningo' put i Hinasson Taotao yan Cho'cho' Sosiât.

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.

Student Advisement

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

CHAMORU STUDIES TRACK REQUIREMENTS (46 CREDIT HOURS)

General Education Requirements

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Under the following sections on the General

Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Direction Building (DB) (9-11 credit hours)

1) CF, DF or UU as a prerequisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|-----------------------|---|---------------------------|
| CM102 | ELEMENTARY CHAMORU II | 4 | SPRING ONLY/ ALL YEARS |
|-------|-----------------------|---|---------------------------|

2) DF or major exploration

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|-----------------|---|-------------------------|
| CM340 | CHAMORU CULTURE | 3 | FALL ONLY/ ALL YEARS |
|-------|-----------------|---|-------------------------|

Tier III: Capstone Experience

1) Major Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|---------------------------------|---|---------------------------|
| CM491 | CHAMORU STUDIES SENIOR CAPSTONE | 3 | SPRING ONLY/ ODD YEARS |
|-------|---------------------------------|---|---------------------------|

Required Courses (34 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|--------------------------|---|-------------------------|
| CM110 | INTRO TO CHAMORU STUDIES | 3 | FALL ONLY/ ALL YEARS |
|-------|--------------------------|---|-------------------------|

| | | | |
|-------|------------------------------|---|---------------------------|
| CM210 | CHAMORU STUDIES AND PRACTICE | 3 | FALL/SPRING/ ALL YEARS |
|-------|------------------------------|---|---------------------------|

| | | | |
|-------|------------------------|---|-------------------------|
| CM201 | INTERMEDIATE CHAMORU I | 4 | FALL ONLY/ ALL YEARS |
|-------|------------------------|---|-------------------------|

| | | | |
|-------|-------------------------|---|---------------------------|
| CM202 | INTERMEDIATE CHAMORU II | 4 | SPRING ONLY/ ALL YEARS |
|-------|-------------------------|---|---------------------------|

| | | | |
|-------|------------------------------|---|--------------------------|
| CM301 | ADVANCED CHAMORU I - READING | 4 | FALL ONLY/ EVEN YEARS |
|-------|------------------------------|---|--------------------------|

| | | | |
|-------|------------------------------|---|---------------------------|
| CM302 | ADVANCED CHAMORU II- WRITING | 4 | SPRING ONLY/ ODD YEARS |
|-------|------------------------------|---|---------------------------|

| | | | |
|-------|-----------------|---|-------------------------|
| CM340 | CHAMORU CULTURE | 3 | FALL ONLY/ ALL YEARS |
|-------|-----------------|---|-------------------------|

| | | | |
|-------|---------------------------|---|---------------------------|
| CM412 | TOPICS IN CHAMORU STUDIES | 3 | SPRING ONLY/ ODD YEARS |
|-------|---------------------------|---|---------------------------|

| | | | |
|-------|---------------------------------|---|---------------------------|
| CM491 | CHAMORU STUDIES SENIOR CAPSTONE | 3 | SPRING ONLY/ ODD YEARS |
|-------|---------------------------------|---|---------------------------|

| | | | |
|-------|-----------------|---|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
|-------|-----------------|---|---------------------------|

Elective Courses (12 credit hours)

Minimum 9 credit hours of upper division courses

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| CM232 | MICRONESIAN SEAFARING SYSTEM | 3 | FALL ONLY/ ALL YEARS |
| CM332 | TRADITIONAL NAVIGATION | 3 | SPRING ONLY/ ALL YEARS |
| CM432 | MICRONESIAN CANOE BUILDING | 3 | |
| EN333 | LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |
| EN461 | PACIFIC WOMEN WRITERS | 3 | SPRING ONLY/ ODD YEARS |
| GE401 | GEOGRAPHY OF THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |
| HI313 | RESEARCH METHODOLOGIES IN HISTORY | 3 | FALL ONLY/ ODD YEARS |
| HI444 | MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT | 3 | SPRING ONLY/ EVEN YEARS |
| HI450 | TOPICS IN PACIFIC HISTORY | 3 | SPRING ONLY/ ALL YEARS |
| PI230 | INDIGENOUS PHILOSOPHY | 3 | |
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS412 | POLITICS OF MICRONESIA | 3 | SPRING ONLY/ ALL YEARS |
| PS440 | INDIGENOUS POLITICS | 3 | FALL ONLY/ EVEN YEARS |
| PS482 | SPECIAL TOPICS IN POLITICAL SCIENCE | 3 | FALL/SPRING/ ALL YEARS |
| PY475 | MICRONESIA AND MENTAL HEALTH | 3 | SPRING ONLY/ ODD YEARS |
| SW406 | SOCIAL POLICY | 3 | FALL ONLY/ ALL YEARS |
| SW410 | SOCIAL WELFARE AND SOCIAL DEVELOPMENT IN MICRONESIA | 3 | FALL ONLY/ ALL YEARS |
| SW485A | FIELD INSTRUCTION | 4 | FALL ONLY/ ALL YEARS |
| SW485B | FIELD INSTRUCTION | 4 | SPRING ONLY/ ALL YEARS |

Or upper-division [CHamoru \(CM\)](#) courses

CHAMORU STUDIES FOR EDUCATION TRACK

REQUIREMENTS (73 CREDIT HOURS)

Required Courses (31 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| CM110 | INTRO TO CHAMORU STUDIES | 3 | FALL ONLY/ ALL YEARS |
| CM201 | INTERMEDIATE CHAMORU I | 4 | FALL ONLY/ ALL YEARS |
| CM202 | INTERMEDIATE CHAMORU II | 4 | SPRING ONLY/ ALL YEARS |
| CM210 | CHAMORU STUDIES AND PRACTICE | 3 | FALL/SPRING/ ALL YEARS |
| CM301 | ADVANCED CHAMORU I - READING | 4 | FALL ONLY/ EVEN YEARS |
| CM302 | ADVANCED CHAMORU II- WRITING | 4 | SPRING ONLY/ ODD YEARS |
| CM340 | CHAMORU CULTURE | 3 | FALL ONLY/ ALL YEARS |
| CM412 | TOPICS IN CHAMORU STUDIES | 3 | SPRING ONLY/ ODD YEARS |
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |

Professional Education Courses (30 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED110 | INTRODUCTION TO TEACHING | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| ED385A | STRUCTURE OF THE LANGUAGE | 3 | FALL ONLY/ ALL YEARS |
| ED385B | STRUCTURE OF THE LANGUAGE | 3 | AS REQUIRED/ ALL YEARS |
| ED385C | STRUCTURE OF THE LANGUAGE: CHAMORU ORTHOGRAPHY | 3 | SUMMER/ AS REQUIRED |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED463 | CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY | 3 | SPRING ONLY/ ALL YEARS |
| ED480 | SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT | 3 | AS REQUIRED/ ALL YEARS |
| ED481 | SECOND LANGUAGE TEACHING METHODOLOGY | 3 | AS REQUIRED/ ALL YEARS |
| ED489 | EVALUATION | 3 | FALL/SPRING/ ALL YEARS |

Capstone Course

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |
| ED498 | INTERNSHIP IN TEACHING: | 12 | AS REQUIRED |

MINOR REQUIREMENTS

CHAMORU STUDIES MINOR REQUIREMENTS (23 CREDIT HOURS)

General Education Requirements

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Direction Building (DB) (9-11 credits)

1) CF, DF, or UU as a prerequisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| CM102 | ELEMENTARY CHAMORU II | 4 | SPRING ONLY/ ALL YEARS |

2) DF or major exploration

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|-------------------------|
| CM340 | CHAMORU CULTURE | 3 | FALL ONLY/ ALL YEARS |

Tier III: Capstone Experience

1) Major Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| CM412 | TOPICS IN CHAMORU STUDIES | 3 | SPRING ONLY/ ODD YEARS |

Required Courses (17 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| CM110 | INTRO TO CHAMORU STUDIES | 3 | FALL ONLY/ ALL YEARS |
| CM201 | INTERMEDIATE CHAMORU I | 4 | FALL ONLY/ ALL YEARS |
| CM202 | INTERMEDIATE CHAMORU II | 4 | SPRING ONLY/ ALL YEARS |
| CM340 | CHAMORU CULTURE | 3 | FALL ONLY/ ALL YEARS |
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| AN320 | PEOPLE OF THE PACIFIC | 3 | SPRING ONLY/ ALL YEARS |
| AN421 | CROSS-CULTURAL & SOCIOLOGICAL PROBLEMS OF GUAM & MICRONESIA | 3 | SPRING ONLY/ ODD YEARS |
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI103 | MARINE BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| CM210 | CHAMORU STUDIES AND PRACTICE | 3 | FALL/SPRING/ ALL YEARS |
| CM412 | TOPICS IN CHAMORU STUDIES | 3 | SPRING ONLY/ ODD YEARS |
| EN333 | LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |
| EN461 | PACIFIC WOMEN WRITERS | 3 | SPRING ONLY/ ODD YEARS |
| GE401 | GEOGRAPHY OF THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |
| HI313 | RESEARCH METHODOLOGIES IN HISTORY | 3 | FALL ONLY/ ODD YEARS |
| HI444 | MODERN PACIFIC HISTORY FROM | 3 | SPRING ONLY/ EVEN YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| | 1850 TO THE PRESENT | | |
| HI450 | TOPICS IN PACIFIC HISTORY | 3 | SPRING ONLY/ ALL YEARS |
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |
| PS412 | POLITICS OF MICRONESIA | 3 | SPRING ONLY/ ALL YEARS |
| PS482 | SPECIAL TOPICS IN POLITICAL SCIENCE | 3 | FALL/SPRING/ ALL YEARS |
| PY475 | MICRONESIA AND MENTAL HEALTH | 3 | SPRING ONLY/ ODD YEARS |
| SW406 | SOCIAL POLICY | 3 | FALL ONLY/ ALL YEARS |
| SW410 | SOCIAL WELFARE AND SOCIAL DEVELOPMENT IN MICRONESIA | 3 | FALL ONLY/ ALL YEARS |
| SW485A | FIELD INSTRUCTION | 4 | FALL ONLY/ ALL YEARS |
| SW485B | FIELD INSTRUCTION | 4 | SPRING ONLY/ ALL YEARS |

Or upper-division **CHamoru (CM)** courses

CERTIFICATE REQUIREMENTS

CHAMORU STUDIES CERTIFICATE REQUIREMENTS (17 CREDIT HOURS)

Required Courses (11 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|-------------------------|
| CM110 | INTRO TO CHAMORU STUDIES | 3 | FALL ONLY/ ALL YEARS |

Choose one group:

GROUP 1

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| CM101 | ELEMENTARY CHAMORU I | 4 | FALL ONLY/ ALL YEARS |
| CM102 | ELEMENTARY CHAMORU II | 4 | SPRING ONLY/ ALL YEARS |

GROUP 2

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| CM201 | INTERMEDIATE CHAMORU I | 4 | FALL ONLY/ ALL YEARS |
| CM202 | INTERMEDIATE CHAMORU II | 4 | SPRING ONLY/ ALL YEARS |

GROUP 3

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| CM301 | ADVANCED CHAMORU I - READING | 4 | FALL ONLY/ EVEN YEARS |
| CM302 | ADVANCED CHAMORU II - WRITING | 4 | SPRING ONLY/ ODD YEARS |

Elective Courses (6 credit hours)

Choose one course from each group:

GROUP 1

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |

GROUP 2

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| CM210 | CHAMORU STUDIES AND PRACTICE | 3 | FALL/SPRING/ ALL YEARS |
| CM340 | CHAMORU CULTURE | 3 | FALL ONLY/ ALL YEARS |
| CM412 | TOPICS IN CHAMORU STUDIES | 3 | SPRING ONLY/ ODD YEARS |

CERTIFICATE IN ISLAND WISDOM: FOUNDATIONS IN MICRONESIAN

SEAFARING REQUIREMENTS (12 CREDIT HOURS)

Required Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| CM232 | MICRONESIAN SEAFARING SYSTEM | 3 | FALL ONLY/ ALL YEARS |
| CM332 | TRADITIONAL NAVIGATION | 3 | SPRING ONLY/ ALL YEARS |
| CM432 | MICRONESIAN CANOE BUILDING | 3 | |

Elective Courses (3 credit hours)

Choose one:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| AN320 | PEOPLE OF THE PACIFIC | 3 | SPRING ONLY/ ALL YEARS |
| AN381 | ASIA-PACIFIC MARITIME ARCHAEOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| CM210 | CHAMORU STUDIES AND PRACTICE | 3 | FALL/SPRING/ ALL YEARS |
| CM340 | CHAMORU CULTURE | 3 | FALL ONLY/ ALL YEARS |
| EN333 | LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |
| GE401 | GEOGRAPHY OF THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |

TRACKS

CHAMORU STUDIES TRACKS

CHamoru Studies

This track 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. This track 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.



CHamoru Studies for Education

This track helps students prepare for careers in teaching CHamoru language and culture in the public school system while meeting the needs of teacher preparation and certification for the Guam Department of Education. This track follows the requirements for Initial CHamoru Certification as set forth in Public Law 31-50 and has been reviewed by the School of Education and GDOE.

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COMMUNICATION & MEDIA PROGRAM

PROSPECTUS

The Field

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.

Relevance and Demand

According to various projections on the 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.

Why UOG?

The Communication & Media Program at UOG offers a major designed to prepare professionals in journalism, public relations, digital cinema and multimedia, and other communication-related areas.

It houses an iMac lab, where students learn to use the latest Adobe Cloud software applications, such as Premiere Pro, Photoshop, After Effects, Audition, InDesign, and XD, among others. Students also have access to digital cinema hardware, including Red Epic and other professional cameras.

The program offers several opportunities for students to develop their skills. Students can produce news for

Triton's Call, a print and online newspaper; Triton TV News, an online TV news platform; and The Tide, a TV news magazine. Students also help organize public forums and the annual University of Guam Film Festival, which help to engage the community.

The program also serves the university community with General Education and elective courses for all majors and offers a minor, an ideal complement for any major that requires substantial skill in interpersonal, public, or mass communication.

Career Possibilities

Our graduates have gone on to pursue graduate degrees in fields such as communication, business, public administration, cinema, education, and law, among others, and have experienced successful careers and leadership positions in news, entertainment media, public relations, advertising, marketing, government, nonprofit management, higher education, and other fields.

LEARNING OUTCOMES

Upon successful completion of the Communication & Media 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

COMMUNICATION & MEDIA TRACKS

The Communication & Media major consists of 24 hours of core courses and 24 hours of track-specific courses, with each track offering specific choices and a three-hour elective. The core includes foundation courses in mass media, media writing, film and television production, communication theory, intercultural communication, a professional internship, and a senior-level capstone course (CO-491). All Communication & Media majors must meet the requirements of one of three tracks and should seek [faculty advisement](#) within their respective track.

Communication Studies

The Communication Studies 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.

Public Relations

The Public Relations track prepares students for careers that deal with the image of organizations in the public and private sectors. Students acquire both theoretical knowledge and practical training in developing messages for various groups, analyzing audiences, and designing campaigns.

Digital Cinema, Media, & Journalism

The Digital Cinema, Media, & Journalism track focuses on developing students' knowledge of multimedia news reporting and understanding of cinema. Students can choose to emphasize studying news events in the context of larger social issues and interpreting these insights for a wide audience. Those more interested in cinema may develop production skills in narrative and documentary formats. In addition, this track provides opportunities to enhance graphic art and motion graphic skills for those looking to work in advertising. Graduates of this track are

equipped with a wide range of skills that prepares them for the dynamic changes in journalism, advertising, and/or digital cinema production.

COMMUNICATION & MEDIA MINOR

The Communication & Media minor 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.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS (51 CREDIT HOURS)

| Description | Credit Hours |
|------------------------------|--------------|
| Required Core Courses | 24 |
| Track-Specific Courses | 24 |
| Elective Courses (per track) | 3 |
| Total Credit Hours | 51 |

Required Core Courses (24 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| CO106 | INTRODUCTION TO MASS COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| CO226 | MEDIA WRITING | 3 | FALL/SPRING/ ALL YEARS |
| CO236 | BROADCAST PRODUCTION | 3 | FALL ONLY/ ALL YEARS |
| CO310 | INTERCULTURAL COMMUNICATION | 3 | SPRING ONLY/ ALL YEARS |
| CO450 | COMMUNICATION THEORY AND RESEARCH | 3 | FALL ONLY/ ALL YEARS |
| CO491 | CURRENT ISSUES IN COMMUNICATION AND SOCIETY | 3 | FALL/SPRING/ ALL YEARS |
| CO498 | COMMUNICATION INTERNSHIP | 3 | FALL/SPRING/ ALL YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| CO385 | PRINT MEDIA EXPERIENCE | 3 | SPRING ONLY/ ALL YEARS |
| CO386 | MASS MEDIA EXPERIENCE: BROADCASTING | 3 | FALL ONLY/ ALL YEARS |

Track-Specific Course Requirements and Elective (27 credit hours)

Note:

- If students opt for AR-240 Computer Graphic Design in any of the tracks, they must first complete a three-credit prerequisite of AR-102 Studio for Non-Majors, AR-103 Drawing I, or AR-104 Basic Design.

Communication Studies Track and Elective Requirements (27 credit hours)

Track-Specific Courses (24 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| CO250 | ARGUMENTATION | 3 | FALL ONLY/ ALL YEARS |
| CO320 | INTERPERSONAL COMMUNICATION | 3 | SPRING ONLY/ EVEN YEARS |
| CO330 | SMALL GROUP COMMUNICATION | 3 | FALL ONLY/ ODD YEARS |
| CO340 | PERSUASION | 3 | FALL ONLY/ EVEN YEARS |
| CO350 | PUBLIC SPEAKING | 3 | SPRING ONLY/ ALL YEARS |
| CO360 | PUBLIC RELATIONS IN BUS AND PROFESSIONS | 3 | FALL ONLY/ ALL YEARS |
| CO370 | ORGANIZATIONAL COMMUNICATION | 3 | SPRING ONLY/ ODD YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|--------------------------|
| CO436 | DIGITAL COMMUNICATIONS TECHNOLOGIES | 3 | FALL ONLY/ EVEN YEARS |

Track Electives (3 credit hours):

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| CO228 | FILM AND TELEVISION CRITICISM | 3 | FALL ONLY/ ALL YEARS |
| CO327 | ADVERTISING IN THE MASS MEDIA | 3 | FALL ONLY/ ALL YEARS |
| CO385 | PRINT MEDIA EXPERIENCE | 3 | SPRING ONLY/ ALL YEARS |
| CO386 | MASS MEDIA EXPERIENCE: BROADCASTING | 3 | FALL ONLY/ ALL YEARS |
| CO398 | COMMUNICATION INTERNSHIP | 3 | FALL/SPRING/ ALL YEARS |
| CO436 | DIGITAL COMMUNICATIONS TECHNOLOGIES | 3 | FALL ONLY/ EVEN YEARS |

Public Relations Track and Elective Requirements (27 credit hours)

Track-Specific Courses (24 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| CO327 | ADVERTISING IN THE MASS MEDIA | 3 | FALL ONLY/ ALL YEARS |
| CO360 | PUBLIC RELATIONS IN BUS AND PROFESSIONS | 3 | FALL ONLY/ ALL YEARS |
| CO460 | INTERGRATED PUBLIC RELATIONS CAMPAIGNS | 3 | SPRING ONLY/ ALL YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| CO250 | ARGUMENTATION | 3 | FALL ONLY/ ALL YEARS |
| BA260 | FUNDAMENTALS OF MARKETING | 3 | FALL/SPRING/ ALL YEARS |
| AR240 | COMPUTER GRAPHIC DESIGN | 3 | FALL/SPRING/ ALL YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| CO330 | SMALL GROUP COMMUNICATION | 3 | FALL ONLY/ ODD YEARS |
| CO370 | ORGANIZATIONAL COMMUNICATION | 3 | SPRING ONLY/ ODD YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|----------------------------|
| CO356 | EDITING AND LAYOUT DESIGN | 3 | SPRING ONLY/ EVEN YEARS |
| CO436 | DIGITAL COMMUNICATIONS TECHNOLOGIES | 3 | FALL ONLY/ EVEN YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------|---------|----------------------------|
| CO320 | INTERPERSONAL COMMUNICATION | 3 | SPRING ONLY/ EVEN YEARS |
| CO340 | PERSUASION | 3 | FALL ONLY/ EVEN YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|----------------------------|
| CO326 | ADVANCED REPORTING | 3 | SPRING ONLY/ EVEN YEARS |
| CO336 | BROADCAST JOURNALISM | 3 | SPRING ONLY/ ALL YEARS |
| CO426 | DOCUMENTARY PROCESS | 3 | SPRING ONLY/ EVEN YEARS |

Track Electives (3 credit hours):

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|----------------------------|
| AR240 | COMPUTER GRAPHIC DESIGN | 3 | FALL/SPRING/ ALL YEARS |
| BA260 | FUNDAMENTALS OF MARKETING | 3 | FALL/SPRING/ ALL YEARS |
| CO240 | PHOTO JOURNALISM | 3 | FALL ONLY/ EVEN YEARS |
| CO250 | ARGUMENTATION | 3 | FALL ONLY/ ALL YEARS |
| CO320 | INTERPERSONAL COMMUNICATION | 3 | SPRING ONLY/ EVEN YEARS |
| CO326 | ADVANCED REPORTING | 3 | SPRING ONLY/ EVEN YEARS |
| CO330 | SMALL GROUP COMMUNICATION | 3 | FALL ONLY/ ODD YEARS |
| CO336 | BROADCAST JOURNALISM | 3 | SPRING ONLY/ ALL YEARS |
| CO340 | PERSUASION | 3 | FALL ONLY/ EVEN YEARS |
| CO356 | EDITING AND LAYOUT DESIGN | 3 | SPRING ONLY/ EVEN YEARS |
| CO357 | MEDIA COMPUTER GRAPHICS | 3 | SPRING ONLY/ ALL YEARS |
| CO370 | ORGANIZATIONAL COMMUNICATION | 3 | SPRING ONLY/ ODD YEARS |
| CO385 | PRINT MEDIA EXPERIENCE | 3 | SPRING ONLY/ ALL YEARS |
| CO386 | MASS MEDIA EXPERIENCE: BROADCASTING | 3 | FALL ONLY/ ALL YEARS |
| CO426 | DOCUMENTARY PROCESS | 3 | SPRING ONLY/ EVEN YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|--------------------------|
| CO436 | DIGITAL COMMUNICATIONS TECHNOLOGIES | 3 | FALL ONLY/ EVEN YEARS |

Digital Cinema, Media, & Journalism Track and Elective Requirements (27 credit hours)

Track-Specific Courses (24 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| CO228 | FILM AND TELEVISION CRITICISM | 3 | FALL ONLY/ ALL YEARS |
| CO328 | INDEPENDENT NARRATIVE FILMMAKING | 3 | SPRING ONLY/ ALL YEARS |
| CO336 | BROADCAST JOURNALISM | 3 | SPRING ONLY/ ALL YEARS |
| CO357 | MEDIA COMPUTER GRAPHICS | 3 | SPRING ONLY/ ALL YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| AR240 | COMPUTER GRAPHIC DESIGN | 3 | FALL/SPRING/ ALL YEARS |
| CO240 | PHOTO JOURNALISM | 3 | FALL ONLY/ EVEN YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|----------------------------|
| CO356 | EDITING AND LAYOUT DESIGN | 3 | SPRING ONLY/ EVEN YEARS |
| CO436 | DIGITAL COMMUNICATIONS TECHNOLOGIES | 3 | FALL ONLY/ EVEN YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|----------------------------|
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
| CO326 | ADVANCED REPORTING | 3 | SPRING ONLY/ EVEN YEARS |

Choose 1 of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|----------------------------|
| CO327 | ADVERTISING IN THE MASS MEDIA | 3 | FALL ONLY/ ALL YEARS |
| CO426 | DOCUMENTARY PROCESS | 3 | SPRING ONLY/ EVEN YEARS |

Track Electives (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| CO240 | PHOTO JOURNALISM | 3 | FALL ONLY/ EVEN YEARS |
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
| TH315 | SCENIC DESIGN | 3 | SPRING ONLY/ EVEN YEARS |
| CO326 | ADVANCED REPORTING | 3 | SPRING ONLY/ EVEN YEARS |
| CO327 | ADVERTISING IN THE MASS MEDIA | 3 | FALL ONLY/ ALL YEARS |
| AR340 | DIGITAL IMAGING TECHNIQUES | 3 | FALL/SPRING/ ALL YEARS |
| CO356 | EDITING AND LAYOUT DESIGN | 3 | SPRING ONLY/ EVEN YEARS |
| CO385 | PRINT MEDIA EXPERIENCE | 3 | SPRING ONLY/ ALL YEARS |
| CO426 | DOCUMENTARY PROCESS | 3 | SPRING ONLY/ EVEN YEARS |
| CO410 | SPECIAL TOPICS IN COMMUNICATION STUDIES | 3 | AS REQUIRED |

Note:

- CO-410 Special Topics in Communication will include Cinematography or Digital Sound Design during specific semesters. This course may be repeated for different topics, if desired.

General Education Requirements

To meet the university's General Education requirements, follow the **Student Advisement Sheet** to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Direction Building (DB) (9-11 credits)

1) CF, DF, or UU as a prerequisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|---------------------------|
| CO226 | MEDIA WRITING | 3 | FALL/SPRING/ ALL YEARS |
| CO236 | BROADCAST PRODUCTION | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration. Take one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| CO310 | INTERCULTURAL COMMUNICATION | 3 | SPRING ONLY/ ALL YEARS |
| CO357 | MEDIA COMPUTER GRAPHICS | 3 | SPRING ONLY/ ALL YEARS |
| CO360 | PUBLIC RELATIONS IN BUS AND PROFESSIONS | 3 | FALL ONLY/ ALL YEARS |
| CO385 | PRINT MEDIA EXPERIENCE | 3 | SPRING ONLY/ ALL YEARS |

3) DF or UU exploration outside major requirements (may apply to a minor or second major)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|------------------------|
| BA260 | FUNDAMENTALS OF MARKETING | 3 | FALL/SPRING/ ALL YEARS |
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN316 | PROFESSIONAL WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN319 | ADVANCED COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |

Or any other DF courses

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|------------------------|
| CO491 | CURRENT ISSUES IN COMMUNICATION AND SOCIETY | 3 | FALL/SPRING/ ALL YEARS |

MINOR REQUIREMENTS (21 CREDIT HOURS)

The minor in Communication & Media 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.

Required Core Courses (12 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|------------------------|
| CO106 | INTRODUCTION TO MASS COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| CO226 | MEDIA WRITING | 3 | FALL/SPRING/ ALL YEARS |
| CO236 | BROADCAST PRODUCTION | 3 | FALL ONLY/ ALL YEARS |
| CO310 | INTERCULTURAL COMMUNICATION | 3 | SPRING ONLY/ ALL YEARS |

Elective Courses (9 credit hours)

Take an additional nine credit hours of [Communication & Media \(CO\)](#) courses with consent of advisor. Six of these must be upper division hours. Students should consult with a [Communication & Media advisor](#) for recommendations regarding which courses best complement their major.

General Education Requirements

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this minor.

Tier II: Direction Building (DB) (9-11 credits)

1) CF, DF, or UU as a prerequisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|------------------------|
| CO226 | MEDIA WRITING | 3 | FALL/SPRING/ ALL YEARS |
| CO236 | BROADCAST PRODUCTION | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration. Take one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| CO310 | INTERCULTURAL COMMUNICATION | 3 | SPRING ONLY/ ALL YEARS |
| CO357 | MEDIA COMPUTER GRAPHICS | 3 | SPRING ONLY/ ALL YEARS |
| CO360 | PUBLIC RELATIONS IN BUS AND PROFESSIONS | 3 | FALL ONLY/ ALL YEARS |
| CO385 | PRINT MEDIA EXPERIENCE | 3 | SPRING ONLY/ ALL YEARS |

3) DF or UU exploration outside major requirements (may apply to a minor or second major)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| BA260 | FUNDAMENTALS OF MARKETING | 3 | FALL/SPRING/ ALL YEARS |
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN316 | PROFESSIONAL WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN319 | ADVANCED COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |

Or any other DF courses

FACULTY

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ENGLISH PROGRAM

PROSPECTUS

The Field

The academic field of English 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.

Options at UOG

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**: English and Writing.

Preparation for Teaching

Students planning on teaching should link the English major of their choice with a second major in Secondary Education from the School of Education (See **Secondary Education, Option A.**).

Preferably during their freshman year, they should review both English and the **School of Education / Secondary Education** sections of the Catalog. They should also sign



up for two [advisors](#), one from their content major — English or Linguistics — and the other from Education.

All students preparing to teach must plan on passing PRAXIS I (for entry into the School of Education) and PRAXIS II prior to acceptance for student teaching and internship.

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 multicultural 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; and
5. Write coherent, discipline-appropriate essays and research papers, documenting properly to avoid plagiarism.

EMPHASES

ENGLISH MAJOR EMPHASES

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

- English for Education
- Linguistics/ESL
- Literature

ENGLISH MINORS

- English
- Writing

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

All declared English majors must have a cumulative GPA of 2.67 (B-) or better in major courses in order to graduate with a Bachelor of Arts in English. 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 of a modern language, totaling eight credit hours.

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 of a modern language, totaling eight credit hours. These courses should be taken in partial fulfillment of the Uniquely UOG and Direction Building [General Education requirements](#).

General Education (Recommended Courses)

GENERAL EDUCATION REQUIREMENTS

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Diversity Foundation

Creative & Expressive Arts

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|---------------------------|
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |

Human Systems & Organizations

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| LN101 | INTRODUCTION TO LANGUAGE | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Uniquely UOG

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| EN213 | LITERATURE, MYTH AND CULTURE | 3 | FALL/SPRING/ ALL YEARS |

| Course | Credits |
|---------------------------------------|----------------|
| Mandatory language other than English | 4 credit hours |

Tier II: Direction Building

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

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|------------------------------------|---|-------------------------|
| EN225 | INTRODUCTION TO LITERARY CRITICISM | 3 | FALL ONLY/ ALL YEARS |
|-------|------------------------------------|---|-------------------------|

***Choice of:**

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|--------------------|---|---------------------------|
| EN314 | BRITISH LITERATURE | 3 | SPRING ONLY/ ALL YEARS |
|-------|--------------------|---|---------------------------|

| | | | |
|-------|---------------------|---|---------------------------|
| EN317 | AMERICAN LITERATURE | 3 | FALL/SPRING/ ALL YEARS |
|-------|---------------------|---|---------------------------|

| | | | |
|-------|------------------|---|-------------------------|
| EN318 | WORLD LITERATURE | 3 | FALL ONLY/ ALL YEARS |
|-------|------------------|---|-------------------------|

| Course | Credits |
|--------|---------|
|--------|---------|

| | |
|--|----------------|
| A second semester of the language other than English that was taken to help fulfill the Uniquely UOG category. | 4 credit hours |
|--|----------------|

** 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 (24 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|------------------------------------|---|-------------------------|
| EN225 | INTRODUCTION TO LITERARY CRITICISM | 3 | FALL ONLY/ ALL YEARS |
|-------|------------------------------------|---|-------------------------|

| | | | |
|-------|-----------------------------|---|---------------------------|
| LN300 | INTRODUCTION TO LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
|-------|-----------------------------|---|---------------------------|

| | | | |
|-------|--------------------|---|---------------------------|
| EN314 | BRITISH LITERATURE | 3 | SPRING ONLY/ ALL YEARS |
|-------|--------------------|---|---------------------------|

| | | | |
|-------|---------------------|---|---------------------------|
| EN317 | AMERICAN LITERATURE | 3 | FALL/SPRING/ ALL YEARS |
|-------|---------------------|---|---------------------------|

| | | | |
|-------|------------------|---|-------------------------|
| EN318 | WORLD LITERATURE | 3 | FALL ONLY/ ALL YEARS |
|-------|------------------|---|-------------------------|

Capstone Course:

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|-----------------|---|---------------------------|
| EN480 | LITERARY THEORY | 3 | SPRING ONLY/ ALL YEARS |
|-------|-----------------|---|---------------------------|

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|------------------|---|---------------------------|
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
|-------|------------------|---|---------------------------|

| | | | |
|-------|----------------------|---|---------------------------|
| EN316 | PROFESSIONAL WRITING | 3 | FALL/SPRING/ ALL YEARS |
|-------|----------------------|---|---------------------------|

| | | | |
|-------|----------------------|---|---------------------------|
| EN319 | ADVANCED COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
|-------|----------------------|---|---------------------------|

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| EN461 | PACIFIC WOMEN WRITERS | 3 | SPRING ONLY/ ODD YEARS |
| EN473 | THE MODERN JAPANESE NOVEL | 3 | FALL ONLY/ ODD YEARS |
| EN333 | LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |

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

Elective Courses (18 credit hours)

Any 300- or 400-level [English \(EN\)](#) or [Linguistics \(LN\)](#) course, at least nine credits of which must be at the 400 level.

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 of a modern language, totaling eight credit hours. These courses should be taken in partial fulfillment of the Uniquely UOG and Direction Building [General Education](#) requirements.

General Education (Recommended Courses)

GENERAL EDUCATION REQUIREMENTS

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below

to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Diversity Foundation

Science & Math

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| CS200 | COMPUTER APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |

Human Sciences

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Creative & Expressive Arts

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------|---------|---------------------------|
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |
| TH101 | INTRODUCTION TO THE THEATER | 3 | FALL/SPRING/ ALL YEARS |

Human Systems & Organizations

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| LN101 | INTRODUCTION TO LANGUAGE | 3 | FALL/SPRING/ ALL YEARS |

Note: LN-101 will also count toward the English – Linguistics/ESL emphasis requirement

Cultural Perspectives

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| AN101 | INTRODUCTION TO ANTHROPOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| ED265 | CULTURE AND EDUCATION IN GUAM | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Uniquely UOG

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| EN213 | LITERATURE, MYTH AND CULTURE | 3 | FALL/SPRING/ ALL YEARS |
| ED265 | CULTURE AND EDUCATION IN GUAM | 3 | FALL/SPRING/ ALL YEARS |

Note: Students may only take ED-265 for the Uniquely UOG category if it wasn't taken in the category above.

| Course | Credits |
|---------------------------------------|----------------|
| Mandatory language other than English | 4 credit hours |

Tier II: Direction Building

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

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------|---------|---------------------------|
| LN300 | INTRODUCTION TO LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |

***Choice of:**

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| LN350 | LINGUISTICS AND THE LANGUAGE ARTS | 3 | FALL ONLY/ ALL YEARS |
| LN371 | WORLD ENGLISHES | 3 | FALL ONLY/ ALL YEARS |
| LN385 | STRUCTURE OF ENGLISH | 3 | SPRING ONLY/ ALL YEARS |

| Course | Credits |
|--|----------------|
| A second semester of the language other than English that was taken to help fulfill the Uniquely UOG category. | 4 credit hours |

Required Courses (27 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| LN101 | INTRODUCTION TO LANGUAGE | 3 | FALL/SPRING/ ALL YEARS |
| LN300 | INTRODUCTION TO LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
| LN350 | LINGUISTICS AND THE LANGUAGE ARTS | 3 | FALL ONLY/ ALL YEARS |
| LN371 | WORLD ENGLISHES | 3 | FALL ONLY/ ALL YEARS |
| LN385 | STRUCTURE OF ENGLISH | 3 | SPRING ONLY/ ALL YEARS |
| LN402 | HISTORY OF THE ENGLISH LANGUAGE | 3 | SPRING ONLY/ ALL YEARS |
| LN440 | TOPICS IN LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
| LN460 | INTRODUCTION TO SOCIOLINGUISTICS | 3 | FALL ONLY/ ALL YEARS |

Capstone Course:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|---------------------------|
| LN400 | APPLIED LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (15 credit hours)

Choose any of the following:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| ED480 | SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT | 3 | AS REQUIRED/ ALL YEARS |
| ED481 | SECOND LANGUAGE TEACHING METHODOLOGY | 3 | AS REQUIRED/ ALL YEARS |
| LN440 | TOPICS IN LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |

| Course | Credits |
|---|----------------|
| Any 300- or 400-level English (EN) course | 6 credit hours |

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 of a modern language, totaling eight credit hours. These courses should be taken in partial fulfillment of the Uniquely UOG and Direction Building [General Education requirements](#).

General Education (Recommended Courses)

GENERAL EDUCATION REQUIREMENTS

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Diversity Foundation

Science & Math

| Course | Credits |
|--------|---------|
|--------|---------|

Any course in this category 3 credit hours

Human Sciences

Any course in this category, except for students declaring a 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.

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|--------------------|---|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
|-------|--------------------|---|---------------------------|

Creative & Expressive Arts

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|----------------------------|---|---------------------------|
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |
|-------|----------------------------|---|---------------------------|

Human Systems & Organizations

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|--------------------------|---|---------------------------|
| LN101 | INTRODUCTION TO LANGUAGE | 3 | FALL/SPRING/ ALL YEARS |
|-------|--------------------------|---|---------------------------|

Cultural Perspectives

Any course in this category, except for students declaring a 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.

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|-------------------------------|---|---------------------------|
| ED265 | CULTURE AND EDUCATION IN GUAM | 3 | FALL/SPRING/ ALL YEARS |
|-------|-------------------------------|---|---------------------------|

Tier II: Uniquely UOG

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|------------------------------|---|---------------------------|
| EN213 | LITERATURE, MYTH AND CULTURE | 3 | FALL/SPRING/ ALL YEARS |
|-------|------------------------------|---|---------------------------|

| Course | Credits |
|--------|---------|
|--------|---------|

| | |
|---------------------------------------|----------------|
| Mandatory language other than English | 4 credit hours |
|---------------------------------------|----------------|

Tier II: Direction Building

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

*Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|-----------------------------|---|---------------------------|
| LN300 | INTRODUCTION TO LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
|-------|-----------------------------|---|---------------------------|

| | | | |
|-------|-----------------------------------|---|-------------------------|
| LN350 | LINGUISTICS AND THE LANGUAGE ARTS | 3 | FALL ONLY/ ALL YEARS |
|-------|-----------------------------------|---|-------------------------|

| Course | Credits |
|--------|---------|
|--------|---------|

| | |
|--|----------------|
| A second semester of the language other than English that was taken to help fulfill the Uniquely UOG category. | 4 credit hours |
|--|----------------|

Required Courses (33 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| EN225 | INTRODUCTION TO LITERARY CRITICISM | 3 | FALL ONLY/ ALL YEARS |
| EN317 | AMERICAN LITERATURE | 3 | FALL/SPRING/ ALL YEARS |
| EN314 | BRITISH LITERATURE | 3 | SPRING ONLY/ ALL YEARS |
| EN319 | ADVANCED COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| EN400 | RHETORIC AND COMPOSITION | 3 | SPRING ONLY/ ALL YEARS |
| LN300 | INTRODUCTION TO LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
| LN350 | LINGUISTICS AND THE LANGUAGE ARTS | 3 | FALL ONLY/ ALL YEARS |
| LN385 | STRUCTURE OF ENGLISH | 3 | SPRING ONLY/ ALL YEARS |
| CO350 | PUBLIC SPEAKING | 3 | SPRING ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| EN318 | WORLD LITERATURE | 3 | FALL ONLY/ ALL YEARS |
| EN320 | OTHER VOICES | 3 | SPRING ONLY/ ALL YEARS |
| EN333 | LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |

Capstone Course:

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|---------------------------|
| EN480 | LITERARY THEORY | 3 | SPRING ONLY/ ALL YEARS |
| LN400 | APPLIED LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (9 credit hours)

Choose one course from each group:

Group 1

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|---------------------------|
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN321 | THE POETIC TRADITION | 3 | SPRING ONLY/ ODD YEARS |

Group 2

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| EN450 | ENVIRONMENTAL LITERATURE | 3 | SPRING ONLY/ ALL YEARS |
| EN460 | LITERATURES IN ENGLISH | 3 | FALL ONLY/ ALL YEARS |
| EN470 | WORLD LITERATURES IN TRANSLATION | 3 | FALL ONLY/ EVEN YEARS |
| EN480 | LITERARY THEORY | 3 | SPRING ONLY/ ALL YEARS |

Note: EN-480 may only be taken if it is not taken as the Capstone Course.

Group 3

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| LN400 | APPLIED LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
| LN440 | TOPICS IN LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
| LN460 | INTRODUCTION TO SOCIOLINGUISTICS | 3 | FALL ONLY/ ALL YEARS |

Note: LN-400 may only be taken if it is not taken as the Capstone Course.

MINOR REQUIREMENTS

ENGLISH MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| LN101 | INTRODUCTION TO LANGUAGE | 3 | FALL/SPRING/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |
| EN213 | LITERATURE, MYTH AND CULTURE | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (12 credit hours)

Student must take 12 elective credit hours of [English \(EN\)](#) or [Linguistics \(LN\)](#) courses, at least nine of which are at the 300 or 400 level. EN-110 and EN-111 may not be counted toward the English minor.

WRITING MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|---------------------------|
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN316 | PROFESSIONAL WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN319 | ADVANCED COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CS200 | COMPUTER APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| BA130 | INTRODUCTION TO COMPUTERS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| CO226 | MEDIA WRITING | 3 | FALL/SPRING/ ALL YEARS |
| CO336 | BROADCAST JOURNALISM | 3 | SPRING ONLY/ ALL YEARS |
| CO385 | PRINT MEDIA EXPERIENCE | 3 | SPRING ONLY/ ALL YEARS |
| AR240 | COMPUTER GRAPHIC DESIGN | 3 | FALL/SPRING/ ALL YEARS |
| AR340 | DIGITAL IMAGING TECHNIQUES | 3 | FALL/SPRING/ ALL YEARS |
| LN300 | INTRODUCTION TO LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
| EN400 | RHETORIC AND COMPOSITION | 3 | SPRING ONLY/ ALL YEARS |
| EN411 | ADVANCED CREATIVE WRITING WORKSHOP | 3 | SPRING ONLY/ ALL YEARS |

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FINE ARTS PROGRAM**PROSPECTUS**

The arts are an important part of the human experience and are needed today as much as ever.

The program

The Fine Arts Department offers a major or minor in Fine Arts. The major allows a choice of three tracks: [Art](#), [Music](#), or [Theater](#). Within each area, the student will gain fundamental knowledge and skills as well as active participation in the creative process. In all areas, the emphasis is on the creation of the work.

No prerequisites are necessary to enter any of the tracks with the exception of some necessary auditions for private lessons and some ensembles.

Career possibilities

People of Guam and all of Micronesia have a love for the arts in all its diversity, and employment opportunities in the arts are vast and far beyond the obvious performing artist. Students may follow their bachelor's with a graduate degree, or they may become teachers, music conductors, theatrical directors, tattoo artists, mural painters, playwrights, composers -- the list is nearly endless. Musical theater is particularly popular on Guam and is a great example of the combination of theatrical, visual, and musical arts.

Why UOG?

A unique aspect of UOG's Fine Arts Program is the combination of art, music, and theater into one major. The Fine Arts major has three courses (9 credits) that are taken by students in all three tracks. This contact brings awareness of the creative process throughout the arts and encourages collaboration. 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.

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 theater 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

FINE ARTS TRACKS

This major has three core courses (9 credit hours) that all Fine Arts majors will be required to take:

- FA-231 Survey of the Arts
- FA-331 Philosophy of the Arts
- FA-431 Survival in the Arts.

Majors will track into one of the following three areas:

Art

The Art concentration focuses on instruction in the visual arts, including, but not limited to, painting, drawing, printmaking, sculpture, ceramics, photography, digital art, art history, and exhibition design.

Music

In the Music concentration, each student focuses on a particular instrument or voice and participates in ensembles and a rigorous study in music theory, history, conducting, and other necessary proficiencies.

Theater

Theater is a collaborative performing art with actors and actresses and includes set construction, play production, directing, lighting design, scene design, and more.

FINE ARTS MINOR

The Fine Arts minor includes courses in the appreciation, history, and practice of the arts. The minor is intended for students with an interest in the fine arts who would benefit from including art, music, or theater in their degree studies. Students who minor in Fine Arts will discover the importance of the arts in society and their personal lives.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

ART TRACK 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 (39 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------|---------|----------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |
| FA331 | PHILOSOPHY OF THE ARTS | 3 | SPRING ONLY/ EVEN YEARS |
| FA431 | SURVIVAL IN THE ARTS | 3 | SPRING ONLY/ ODD YEARS |
| AR103 | DRAWING I | 3 | FALL/SPRING/ ALL YEARS |
| AR104 | BASIC DESIGN | 3 | FALL ONLY/ ALL YEARS |
| AR203 | DRAWING II | 3 | SPRING ONLY/ ALL YEARS |
| AR204 | 3-DIMENSIONAL DESIGN | 3 | SPRING ONLY/ ODD YEARS |
| AR208 | BASIC SCULPTURE | 3 | FALL ONLY/ ALL YEARS |
| AR210 | BASIC PRINTMAKING | 3 | FALL ONLY/ ALL YEARS |
| AR220 | BASIC CERAMICS | 3 | FALL/SPRING/ ALL YEARS |
| AR331 | HISTORY OF ART I | 3 | SPRING ONLY/ EVEN YEARS |
| AR332 | HISTORY OF ART II | 3 | SPRING ONLY/ ODD YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| AR205 | BASIC WATERCOLOR PAINTING | 3 | FALL ONLY/ ALL YEARS |
| AR206 | BASIC PAINTING | 3 | SPRING ONLY/ ALL YEARS |

Elective Courses (21 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| AR101 | INTRODUCTION TO ART | 3 | FALL/SPRING/ ALL YEARS |
| AR211 | BASIC PHOTOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |
| AR303 | LIFE DRAWING | 3 | FALL ONLY/ ALL YEARS |
| AR305 | INTERMEDIATE WATERCOLOR PAINTING | 3 | FALL ONLY/ ALL YEARS |
| AR306 | INTERMEDIATE PAINTING | 3 | SPRING ONLY/ ALL YEARS |
| AR308 | INTERMEDIATE SCULPTURE | 3 | FALL ONLY/ ALL YEARS |
| AR310 | INTERMEDIATE PRINTMAKING | 3 | SPRING ONLY/ ALL YEARS |
| AR320 | INTERMEDIATE CERAMICS | 3 | SPRING ONLY/ ALL YEARS |
| AR323 | GALLERY MANAGEMENT & EXHIBITION DESIGN | 3 | SPRING ONLY/ ALL YEARS |
| AR326 | ANALYSIS OF SPECIMENS AND DOCUMENTATION | 3 | FALL ONLY/ ALL YEARS |
| AR340 | DIGITAL IMAGING TECHNIQUES | 3 | FALL/SPRING/ ALL YEARS |
| AR384 | ENVIRONMENTAL ART | 3 | SPRING ONLY/ ODD YEARS |
| AR404 | ADVANCED WATERCOLOR PAINTING I | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|----------------------------|
| AR405 | ADVANCED WATERCOLOR PAINTING II | 3 | FALL ONLY/ ALL YEARS |
| AR406 | ADVANCED PAINTING I | 3 | SPRING ONLY/ ALL YEARS |
| AR407 | ADVANCED PAINTING II | 3 | SPRING ONLY/ ALL YEARS |
| AR408 | ADVANCED SCULPTURE I | 3 | SPRING ONLY/ ALL YEARS |
| AR409 | ADVANCED SCULPTURE II | 3 | SPRING ONLY/ ALL YEARS |
| AR410 | ADVANCED PRINTMAKING I | 3 | FALL ONLY/ ALL YEARS |
| AR411 | ADVANCED PRINTMAKING II | 3 | SPRING ONLY/ ALL YEARS |
| AR420 | ADVANCED CERAMICS I | 3 | SPRING ONLY/ ALL YEARS |
| AR421 | ADVANCED CERAMICS II | 3 | SPRING ONLY/ ALL YEARS |
| TH105 | STATECRAFT | 3 | FALL ONLY/ EVEN YEARS |
| TH315 | SCENIC DESIGN | 3 | SPRING ONLY/ EVEN YEARS |
| TH316 | LIGHTING DESIGN | 3 | SPRING ONLY/ ODD YEARS |

MUSIC TRACK REQUIREMENTS (63 CREDIT HOURS)

Required Courses (63 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|----------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |
| FA331 | PHILOSOPHY OF THE ARTS | 3 | SPRING ONLY/ EVEN YEARS |
| FA431 | SURVIVAL IN THE ARTS | 3 | SPRING ONLY/ ODD YEARS |
| MU101 | MUSIC FUNDAMENTALS | 3 | FALL/SPRING/ ALL YEARS |
| MU104 | UNIVERSITY SINGERS | 1 | FALL/SPRING/ ALL YEARS |
| MU105 | BAND | 1 | FALL/SPRING/ ALL YEARS |
| MU121 | BEGINNING CLASS PIANO | 2 | FALL ONLY/ ALL YEARS |
| MU122 | INTERMEDIATE CLASS PIANO | 2 | SPRING ONLY/ ALL YEARS |
| MU160 | MUSIC THEORY I | 2 | FALL ONLY/ ODD YEARS |
| MU161 | MUSIC THEORY II | 2 | SPRING ONLY/ EVEN YEARS |
| MU170 | EAR TRAINING I | 2 | FALL ONLY/ ALL YEARS |
| MU171 | EAR TRAINING II | 2 | SPRING ONLY/ ALL YEARS |
| MU202 | APPLIED MUSIC | 2 | FALL/SPRING/ ALL YEARS |
| MU260 | MUSIC THEORY III | 2 | FALL ONLY/ EVEN YEARS |
| MU261 | MUSIC THEORY IV | 2 | SPRING ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| MU302 | INTERMEDIATE APPLIED MUSIC | 2 | FALL/SPRING/ ALL YEARS |
| MU304 | UPPER DIVISION UNIVERSITY SINGERS | 1 | FALL/SPRING/ ALL YEARS |
| MU305 | UPPER DIVISION BAND | 1 | FALL/SPRING/ ALL YEARS |
| MU310 | MUSIC HISTORY I | 3 | FALL ONLY/ EVEN YEARS |
| MU311 | MUSIC HISTORY II | 3 | SPRING ONLY/ ODD YEARS |
| MU315 | INSTRUMENTAL TECHNIQUES | 3 | FALL ONLY/ ODD YEARS |
| MU321 | CONDUCTING | 3 | FALL ONLY/ ALL YEARS |
| MU402 | SENIOR RECITAL | 2 | FALL/SPRING/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| MU104 | UNIVERSITY SINGERS | 1 | FALL/SPRING/ ALL YEARS |
| MU105 | BAND | 1 | FALL/SPRING/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| MU304 | UPPER DIVISION UNIVERSITY SINGERS | 1 | FALL/SPRING/ ALL YEARS |
| MU305 | UPPER DIVISION BAND | 1 | FALL/SPRING/ ALL YEARS |

**By showing proficiency, a student may place out of MU-121 and/or MU-122.*

THEATER TRACK REQUIREMENTS (50 CREDIT HOURS)

Each student's program will be developed with an advisor from the Theater faculty.

Required Courses (40 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------|---------|----------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |
| FA331 | PHILOSOPHY OF THE ARTS | 3 | SPRING ONLY/ EVEN YEARS |
| FA431 | SURVIVAL IN THE ARTS | 3 | SPRING ONLY/ ODD YEARS |
| TH102 | ACTING I | 3 | FALL/SPRING/ ALL YEARS |
| TH105 | STATECRAFT | 3 | FALL ONLY/ EVEN YEARS |
| TH202 | ACTING II | 3 | SPRING ONLY/ EVEN YEARS |
| TH205 | STAGE MANAGEMENT | 3 | FALL ONLY/ ODD YEARS |
| TH292 | THEATER PRACTICUM | 1 | FALL/SPRING/ ALL YEARS |
| TH308 | DIRECTING | 3 | FALL ONLY/ ODD YEARS |
| TH315 | SCENIC DESIGN | 3 | SPRING ONLY/ EVEN YEARS |
| TH316 | LIGHTING DESIGN | 3 | SPRING ONLY/ ODD YEARS |
| TH425 | THEATER HISTORY I | 3 | FALL ONLY/ EVEN YEARS |
| TH426 | THEATER HISTORY II | 3 | SPRING ONLY/ ODD YEARS |

Elective Courses (10 credit hours)

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 | Term Offered |
|--------|---|---------|---------------------------|
| AR103 | DRAWING I | 3 | FALL/SPRING/ ALL YEARS |
| AR104 | BASIC DESIGN | 3 | FALL ONLY/ ALL YEARS |
| AR204 | 3- DIMENSIONAL DESIGN | 3 | SPRING ONLY/ ODD YEARS |
| AR205 | BASIC WATERCOLOR PAINTING | 3 | FALL ONLY/ ALL YEARS |
| AR240 | COMPUTER GRAPHIC DESIGN | 3 | FALL/SPRING/ ALL YEARS |
| AR323 | GALLERY MANAGEMENT & EXHIBITION DESIGN | 3 | SPRING ONLY/ ALL YEARS |
| CO200 | VOICE AND ARTICULATION | 3 | AS RESOURCES PERMIT |
| CO236 | BROADCAST PRODUCTION | 3 | FALL ONLY/ ALL YEARS |
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN450 | ENVIRONMENTAL LITERATURE | 3 | SPRING ONLY/ ALL YEARS |
| MU101 | MUSIC FUNDAMENTALS | 3 | FALL/SPRING/ ALL YEARS |
| MU104 | UNIVERSITY SINGERS | 1 | FALL/SPRING/ ALL YEARS |
| MU110 | CLASS VOICE | 1 | FALL/SPRING/ ALL YEARS |

OR any other **Theater (TH)** course

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.

MINOR REQUIREMENTS

ART TRACK MINOR REQUIREMENTS (27 CREDIT HOURS)

Each student's program will be developed with an advisor from the Visual Arts faculty.

Required Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------|---------|---------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |
| AR101 | INTRODUCTION TO ART | 3 | FALL/SPRING/ ALL YEARS |
| AR103 | DRAWING I | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (18 credit hours)

18 credit hours of **Art (AR)** courses, of which nine credit hours must be upper division courses.

MUSIC TRACK MINOR REQUIREMENTS (25 CREDIT HOURS)

Each student's program will be developed with an advisor from the music faculty.

Required Courses (25 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |
| MU104 | UNIVERSITY SINGERS | 1 | FALL/SPRING/ ALL YEARS |
| MU105 | BAND | 1 | FALL/SPRING/ ALL YEARS |
| MU304 | UPPER DIVISION UNIVERSITY SINGERS | 1 | FALL/SPRING/ ALL YEARS |
| MU305 | UPPER DIVISION BAND | 1 | FALL/SPRING/ ALL YEARS |
| MU121 | BEGINNING CLASS PIANO | 2 | FALL ONLY/ ALL YEARS |
| MU122 | INTERMEDIATE CLASS PIANO | 2 | SPRING ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| MU102 | WORLD MUSIC | 3 | FALL ONLY/ ALL YEARS |
| MU106 | INTRODUCTION TO MUSIC | 3 | FALL/SPRING/ ALL YEARS |

8 credits from the following:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|---------------------------|
| MU202 | APPLIED MUSIC | 2 | FALL/SPRING/ ALL YEARS |
| MU302 | INTERMEDIATE APPLIED MUSIC | 2 | FALL/SPRING/ ALL YEARS |

**By showing proficiency, a student may place out of MU-121 and/or MU-122*

General Education Requirements (Recommended Courses)

See the [Student Advisement Sheet](#) for General Education Requirements and include under:

Tier II: Direction Building (9-11 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|--------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |
| MU310 | MUSIC HISTORY I | 3 | FALL ONLY/ EVEN YEARS |

THEATER TRACK MINOR REQUIREMENTS (25 CREDIT HOURS)

Each student's program will be developed with an advisor from the Theater faculty.

Required Courses (17 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |
| TH102 | ACTING I | 3 | FALL/SPRING/ ALL YEARS |
| TH105 | STATECRAFT | 3 | FALL ONLY/ EVEN YEARS |
| TH205 | STAGE MANAGEMENT | 3 | FALL ONLY/ ODD YEARS |
| TH292 | THEATER PRACTICUM | 1 | FALL/SPRING/ ALL YEARS |
| TH308 | DIRECTING | 3 | FALL ONLY/ ODD YEARS |

Elective Courses (8 credit hours)

Any other Theater (TH) courses (not including TH-101) or courses from the Theater Track elective list.

General Education Requirements (Recommended Courses)

See the **Student Advisement Sheet** for General Education Requirements and include under:

Tier II: Direction Building (9-11 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|-------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |
| TH205 | STAGE MANAGEMENT | 3 | FALL ONLY/ ODD YEARS |

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|---------------------------|
| FA431 | SURVIVAL IN THE ARTS | 3 | SPRING ONLY/ ODD YEARS |

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GEOGRAPHY PROGRAM

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.

Student Advisement

REQUIREMENTS

MINOR REQUIREMENTS (22 CREDIT HOURS)

Required Courses (13 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|------------------------|
| GE101 | INTRODUCTION TO GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |
| GE201 | WORLD REGIONAL GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |
| GE203 | PRINCIPLES OF PHYSICAL GEOGRAPHY | 4 | SPRING ONLY/ ALL YEARS |
| GE401 | GEOGRAPHY OF THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |

Elective Courses (9 credit hours)

Nine upper-division credits selected from any of the upper-division Geography courses or from:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|----------------------|
| NS330 | METEOROLOGY | 3 | AS REQUIRED |
| NS330L | METEOROLOGY LABORATORY | 1 | AS REQUIRED |
| NS355 | TOPICS IN GEOLOGY | 3 | AS REQUIRED |
| NS355L | TOPICS IN GEOLOGY LABORATORY | 1 | AS REQUIRED |
| NS380 | PRINCIPLES OF SOIL SCIENCE | 3 | FALL ONLY/ ALL YEARS |

General Education Requirements (Recommended Courses)

See the **Student Advisement Sheet General Education Requirements** and include under:

Tier II: Direction Building (9-11 credit hours)

Under DF Exploration outside major requirement (May apply to a Minor):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|------------------------|
| GE480 | SPECIAL TOPICS IN GEOGRAPHY | 3 | SPRING ONLY/ ALL YEARS |
| GE321 | ECONOMIC GEOGRAPHY | 3 | FALL ONLY/ ALL YEARS |
| GE341 | CULTURAL ECOLOGY | 3 | FALL ONLY/ ODD YEARS |
| GE461 | NATURAL RESOURCES CONSERVATION AND MANAGEMENT | 3 | FALL ONLY/ EVEN YEARS |
| NS330 | METEOROLOGY | 3 | AS REQUIRED |
| NS355 | TOPICS IN GEOLOGY | 3 | AS REQUIRED |
| NS355L | TOPICS IN GEOLOGY LABORATORY | 1 | AS REQUIRED |
| NS380 | PRINCIPLES OF SOIL SCIENCE | 3 | FALL ONLY/ ALL YEARS |

Tier III: Capstone Experience

Course within major:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|-------------------------|
| GE401 | GEOGRAPHY OF THE PACIFIC | 3 | FALL ONLY/ ALL YEARS |

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.

A Bachelor of Arts degrees may be obtained with a major or minor in History.

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.

FACULTY

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HISTORY PROGRAM

PROSPECTUS

The Field

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, history gives perspective to related subjects in the humanities and social sciences.

Usage and Careers

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.

Why UOG?

The faculty of UOG's History Program seek to prepare students for citizenship and leadership in the community. They also seek to develop programs to serve community needs in the areas of social and economic development, history, culture, and social problems.

LEARNING OUTCOMES

Upon completing a bachelor's in History, students will be expected to:

1. Be knowledgeable of major historical themes, developments, and events;
2. Read, interpret, and evaluate historical evidence carefully and analytically;
3. 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. Express their historical analyses clearly and persuasively both in written and oral forms.

TRACKS

HISTORY 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 toward law school or graduate studies in fields such as history, anthropology, English literature, political science, or 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 social studies in secondary education. Students will complete coursework in the fields of history, political science, and geography. Students who choose this track should double major in [Secondary Education](#), complete the BA + program, or obtain a Master of Arts in Teaching after graduation.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

HISTORY TRACK REQUIREMENTS (46 CREDIT HOURS)

Required Courses (31 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| HI122 | WORLD HISTORY II | 3 | FALL/SPRING/ ALL YEARS |
| HI201 | EARLY AMERICA | 3 | FALL/SPRING/ ALL YEARS |
| HI202 | MODERN AMERICA | 3 | FALL/SPRING/ ALL YEARS |
| HI308 | THE HISTORIANS' CRAFT | 3 | FALL ONLY/ ALL YEARS |
| HI313 | RESEARCH METHODOLOGIES IN HISTORY | 3 | FALL ONLY/ ODD YEARS |
| HI371 | HISTORY OF EAST ASIA TO 1600 | 3 | FALL ONLY |
| HI372 | HISTORY OF EAST ASIA SINCE 1600 | 3 | SPRING ONLY/ ALL YEARS |
| HI444 | MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT | 3 | SPRING ONLY/ EVEN YEARS |
| HI492 | CAPSTONE IN HISTORY | 1 - 3 | |

And choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |

Elective Courses (15 credit hours)

15 credits of any upper division [History \(HI\)](#) courses, which may include:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|----------------------------|
| PI301 | HISTORY OF WESTERN PHILOSOPHY I | 3 | FALL ONLY/ ODD YEARS |
| PI302 | HISTORY OF WESTERN PHILOSOPHY II | 3 | SPRING ONLY/ EVEN YEARS |

General Education Requirements (Recommended Courses)

See the [Student Advisement Sheet](#) for General Education requirements and include under:

Tier II: Direction Building (9-11 credit hours)

1) CF, DF, or UU as prerequisite (can be within a declared major):

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|-------------------------|
| HI308 | THE HISTORIANS' CRAFT | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration:

One of the following:

| Course | Course Title | Credits | Term Offered |
|--------|------------------|---------|---------------------------|
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| HI122 | WORLD HISTORY II | 3 | FALL/SPRING/ ALL YEARS |

3) DF or UU exploration outside major requirements (may apply to a minor or second major):

Any courses

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|--------------|
| HI492 | CAPSTONE IN HISTORY | 1 - 3 | |

HISTORY FOR EDUCATION TRACK REQUIREMENTS (49 CREDIT HOURS)

Required Courses (34 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| HI122 | WORLD HISTORY II | 3 | FALL/SPRING/ ALL YEARS |
| HI201 | EARLY AMERICA | 3 | FALL/SPRING/ ALL YEARS |
| HI202 | MODERN AMERICA | 3 | FALL/SPRING/ ALL YEARS |
| HI308 | THE HISTORIANS' CRAFT | 3 | FALL ONLY/ ALL YEARS |
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |
| HI313 | RESEARCH METHODOLOGIES IN HISTORY | 3 | FALL ONLY/ ODD YEARS |
| HI492 | CAPSTONE IN HISTORY | 1 - 3 | |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| GE101 | INTRODUCTION TO GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |
| GE201 | WORLD REGIONAL GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (15 credit hours)

15 credits of any upper division [History \(HI\)](#) courses, which may include:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|----------------------------|
| PI301 | HISTORY OF WESTERN PHILOSOPHY I | 3 | FALL ONLY/ ODD YEARS |
| PI302 | HISTORY OF WESTERN PHILOSOPHY II | 3 | SPRING ONLY/ EVEN YEARS |

General Education Requirements (Recommended Courses)

See the [Student Advisement Sheet](#) for General Education requirements and include under:

Tier II: Direction Building (9-11 credit hours)

1) CF, DF, or UU as a prerequisite (can be within a declared major):

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|-------------------------|
| HI308 | THE HISTORIANS' CRAFT | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration:

One of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| HI122 | WORLD HISTORY II | 3 | FALL/SPRING/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |

3) DF exploration outside major requirement (may apply to a minor or second major):

Any course

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|--------------|
| HI492 | CAPSTONE IN HISTORY | 1 - 3 | |

MINOR REQUIREMENTS

HISTORY MINOR REQUIREMENTS (24 CREDIT HOURS)

Required Courses (18 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| HI122 | WORLD HISTORY II | 3 | FALL/SPRING/ ALL YEARS |
| HI308 | THE HISTORIANS' CRAFT | 3 | FALL ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| HI243 | HISTORY OF MICRONESIA | 3 | FALL ONLY/ ALL YEARS |

Choose one group:

GROUP 1

| Course | Course Title | Credits | Term Offered |
|--------|----------------|---------|---------------------------|
| HI201 | EARLY AMERICA | 3 | FALL/SPRING/ ALL YEARS |
| HI202 | MODERN AMERICA | 3 | FALL/SPRING/ ALL YEARS |

GROUP 2

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| HI371 | HISTORY OF EAST ASIA TO 1600 | 3 | FALL ONLY |
| HI372 | HISTORY OF EAST ASIA SINCE 1600 | 3 | SPRING ONLY/ ALL YEARS |

GROUP 3

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| HI444 | MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT | 3 | SPRING ONLY/ EVEN YEARS |
| HI450 | TOPICS IN PACIFIC HISTORY | 3 | SPRING ONLY/ ALL YEARS |

Elective Courses (6 credit hours)

6 credits of any upper division **History (HI)** courses, which may include:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|----------------------------|
| PI301 | HISTORY OF WESTERN PHILOSOPHY I | 3 | FALL ONLY/ ODD YEARS |
| PI302 | HISTORY OF WESTERN PHILOSOPHY II | 3 | SPRING ONLY/ EVEN YEARS |

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JAPANESE LANGUAGE PROGRAM

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.

Student Advisement

REQUIREMENTS

MINOR REQUIREMENTS

JAPANESE LANGUAGE MINOR REQUIREMENTS (12 CREDIT HOURS)

Required Courses (12 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|----------------------------|
| JA201 | INTERMEDIATE JAPANESE I | 4 | FALL ONLY/ EVEN YEARS |
| JA202 | INTERMEDIATE JAPANESE II | 4 | SPRING ONLY/ ODD YEARS |
| JA301 | THIRD YEAR JAPANESE I | 4 | FALL ONLY/ ODD YEARS |
| JA302 | THIRD YEAR JAPANESE II | 4 | SPRING ONLY/ EVEN YEARS |
| JA401 | FOURTH YEAR JAPANESE I | 4 | AS REQUIRED |
| JA402 | FOURTH YEAR JAPANESE II | 4 | AS REQUIRED |

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PHILOSOPHY PROGRAM

PROSPECTUS

The Field

Philosophy is the discipline that engages in a critical inquiry into the most fundamental questions of humanity: What is truth? What is knowledge? How should I live? Answering these questions requires a critical, yet sympathetic, mind to understand a broad range of perspectives.

Relevance and Demand

Philosophy prepares students to become strong thinkers and provides students with a set of intellectual skills -- including reading, writing, and oral presentation skills -- that can be applied to problems in their everyday lives and at work.

Philosophy also acts as an excellent complementary major to a range of courses of study, offering a rigorous theoretical perspective on topics in science, business, medicine, legal studies, literary studies, and the study of history and society. For this reason, no matter what else students study at the University, philosophy provides essential skills that allow students to approach their work in a more careful, rigorous, and engaged way.

Why UOG?

The Philosophy Program at the University of Guam has an especially strong focus on preparing students to:

- analyze problems imaginatively and sympathetically, from a range of points of view, including the points of view of those from very different cultural backgrounds;
- reason about complex issues; and
- express their ideas carefully and clearly.

Graduates of the Philosophy Program are typically open-minded and thoughtful individuals who can solve even novel problems in a rigorous and creative manner. The skills cultivated in our program are highly sought-after in a wide range of roles and by the admissions committees for all graduate degrees, including medicine, law, and business. In other words, no matter what students plan to do post-graduation, a degree in philosophy will provide the tools to do it more successfully.

PROGRAM LEARNING OBJECTIVES

By the end of a philosophy degree, students will be able to:

- justify positions with reasoned argument in a rigorous way;
- express themselves orally and in writing precisely and clearly;
- understand and engage with perspectives different to their own;
- analyze real-world problems using philosophical tools;
- reconstruct the positions of authors through the close reading of texts; and
- practice philosophical virtues in their interactions with others.

MINORS AND CERTIFICATE

PHILOSOPHY MINORS

- Philosophy
- Ethics

CERTIFICATE

- Ethics

See [Degree Requirements](#) tab for list of required courses for the minors and certificate.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

PHILOSOPHY MAJOR REQUIREMENTS (36 CREDIT HOURS)

Required Courses (21 credit hours)

Choose 2 of the following 100-level courses:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PI101 | INTRODUCTION TO PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |
| PI102 | CONTEMPORARY ETHICAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |
| PI103 | INTRODUCTION TO ASIAN AND NON-WESTERN PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |

Choose 2 of the following 200-level courses:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| PI210 | INTRODUCTION TO LOGIC | 3 | FALL ONLY/ ODD YEARS |
| PI220 | ETHICAL THEORY | 3 | SPRING ONLY/ ALL YEARS |
| PI230 | INDIGENOUS PHILOSOPHY | 3 | |

Choose 2 of the following 300-level courses:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|----------------------------|
| PI301 | HISTORY OF WESTERN PHILOSOPHY I | 3 | FALL ONLY/ ODD YEARS |
| PI302 | HISTORY OF WESTERN PHILOSOPHY II | 3 | SPRING ONLY/ EVEN YEARS |
| PI306 | PHILOSOPHY OF RELIGION | 3 | SPRING ONLY/ ALL YEARS |
| PI331 | PHILOSOPHY OF ART | 3 | SPRING ONLY/ EVEN YEARS |

And:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| PI481 | CAPSTONE SEMINAR IN PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (15 credit hours)

Take 15 credits of any [Philosophy \(PI\)](#) courses. Nine credits must be upper division or PS-326.

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| PI101 | INTRODUCTION TO PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |
| PI102 | CONTEMPORARY ETHICAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |
| PI103 | INTRODUCTION TO ASIAN AND NON-WESTERN PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |
| PI210 | INTRODUCTION TO LOGIC | 3 | FALL ONLY/ ODD YEARS |
| PI220 | ETHICAL THEORY | 3 | SPRING ONLY/ ALL YEARS |
| PI230 | INDIGENOUS PHILOSOPHY | 3 | |
| PI301 | HISTORY OF WESTERN PHILOSOPHY I | 3 | FALL ONLY/ ODD YEARS |
| PI302 | HISTORY OF WESTERN PHILOSOPHY II | 3 | SPRING ONLY/ EVEN YEARS |
| PI306 | PHILOSOPHY OF RELIGION | 3 | SPRING ONLY/ ALL YEARS |
| PI331 | PHILOSOPHY OF ART | 3 | SPRING ONLY/ EVEN YEARS |
| PI410 | COMMUNITY ENGAGED PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |
| PI481 | CAPSTONE SEMINAR IN PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |
| PI486 | TRAVEL STUDIES IN ASIA | 3 | SUMMER/ ODD YEARS |
| PS326 | POLITICAL PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |

General Education Requirements (Recommended Courses)

See the **Student Advisement Sheet** of the General Education Requirements and include under:

Tier II: Direction Building (9-11 credit hours)

1) CF, DF, or UU as prerequisite (can be within a declared major):

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| PI102 | CONTEMPORARY ETHICAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |

2) DF or major exploration:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|-------------------------|
| PI301 | HISTORY OF WESTERN PHILOSOPHY I | 3 | FALL ONLY/ ODD YEARS |

3) DF or UU exploration outside major requirement (may apply to a minor or second major):

Choose any course

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| PI481 | CAPSTONE SEMINAR IN PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |

MINOR REQUIREMENTS

PHILOSOPHY MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (12 credit hours)

Choose 1 of the following 100-level courses:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PI101 | INTRODUCTION TO PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |
| PI102 | CONTEMPORARY ETHICAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |
| PI103 | INTRODUCTION TO ASIAN AND NON-WESTERN PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |

Choose 1 of the following 200-level courses:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| PI210 | INTRODUCTION TO LOGIC | 3 | FALL ONLY/ ODD YEARS |
| PI220 | ETHICAL THEORY | 3 | SPRING ONLY/ ALL YEARS |
| PI230 | INDIGENOUS PHILOSOPHY | 3 | |

Choose 1 of the following 300-level courses:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|----------------------------|
| PI301 | HISTORY OF WESTERN PHILOSOPHY I | 3 | FALL ONLY/ ODD YEARS |
| PI302 | HISTORY OF WESTERN PHILOSOPHY II | 3 | SPRING ONLY/ EVEN YEARS |
| PI306 | PHILOSOPHY OF RELIGION | 3 | SPRING ONLY/ ALL YEARS |
| PI331 | PHILOSOPHY OF ART | 3 | SPRING ONLY/ EVEN YEARS |

And:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| PI481 | CAPSTONE SEMINAR IN PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (6 credit hours)

Take 6 credit hours from any 300- or 400-level [Philosophy \(PI\) courses](#) or PS-326:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|----------------------------|
| PI301 | HISTORY OF WESTERN PHILOSOPHY I | 3 | FALL ONLY/ ODD YEARS |
| PI302 | HISTORY OF WESTERN PHILOSOPHY II | 3 | SPRING ONLY/ EVEN YEARS |
| PI306 | PHILOSOPHY OF RELIGION | 3 | SPRING ONLY/ ALL YEARS |
| PI331 | PHILOSOPHY OF ART | 3 | SPRING ONLY/ EVEN YEARS |
| PI410 | COMMUNITY ENGAGED PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |
| PI481 | CAPSTONE SEMINAR IN PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |
| PI486 | TRAVEL STUDIES IN ASIA | 3 | SUMMER/ ODD YEARS |

ETHICS MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| PI102 | CONTEMPORARY ETHICAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |
| PI220 | ETHICAL THEORY | 3 | SPRING ONLY/ ALL YEARS |
| PI481 | CAPSTONE SEMINAR IN PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (9 credit hours)

Choose 9 credit hours from the following:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|---------------------------|
| PI410 | COMMUNITY ENGAGED PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |
| PI481 | CAPSTONE SEMINAR IN PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |
| BA406 | ETHICS FOR THE ACCOUNTANT | 3 | FALL/SPRING/ ALL YEARS |
| PA405 | LEADERSHIP ETHICS IN THE PROFESSIONS | 3 | FALL/SPRING/ ALL YEARS |
| NU326 | NURSING MANAGEMENT | 2 | SPRING ONLY/ ALL YEARS |
| NU420 | TRENDS IN NURSING | 2 | SPRING ONLY/ ALL YEARS |

CERTIFICATE REQUIREMENTS

ETHICS CERTIFICATE REQUIREMENTS (12 CREDIT HOURS)

Required Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| PI102 | CONTEMPORARY ETHICAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |
| PI220 | ETHICAL THEORY | 3 | SPRING ONLY/ ALL YEARS |

Elective Courses (6 credit hours)

Choose 6 credit hours from the following:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PI410 | COMMUNITY ENGAGED PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |
| PI481 | CAPSTONE SEMINAR IN PHILOSOPHY | 3 | FALL/SPRING/ ALL YEARS |
| BA406 | ETHICS FOR THE ACCOUNTANT | 3 | FALL/SPRING/ ALL YEARS |
| PA405 | LEADERSHIP ETHICS IN THE PROFESSIONS | 3 | FALL/SPRING/ ALL YEARS |
| NU326 | NURSING MANAGEMENT | 2 | SPRING ONLY/ ALL YEARS |
| NU420 | TRENDS IN NURSING | 2 | SPRING ONLY/ ALL YEARS |

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POLITICAL SCIENCE PROGRAM

OVERVIEW

PROSPECTUS

The Field: Political science provides knowledge of the theory and practice of political power, authority, and justice. 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.

Why UOG?: The Political Science Program at UOG makes understanding political processes and institutions in the United States and the Micronesian and Asia Pacific regions the focus of student learning, discovery, research, service, and extra-institutional collaboration. The program

centers Guam as the focal point of our analyses in order to help students understand politics from a multiscalar 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.

The program includes a variety of courses that comprise three main subfields of political science:

- comparative politics
- international relations, and
- American and regional government

It also emphasizes reasoned evaluation of societal principles, analysis of political behavior, and the logical expression of thought.

Career Possibilities: 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.

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

POLITICAL SCIENCE 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 social studies in secondary education. Students will complete coursework 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 [Secondary Education](#), complete the BA+ program, or obtain a Master of Arts 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.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

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 37 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 REQUIREMENTS (50 CREDIT HOURS)

General Education (Recommended Courses)

Political Science track majors should complete the following courses in partial fulfillment of the General Education Diversity Foundation and Direction Building requirements on the [Student Advisement Sheet](#).

Tier II: Diversity Foundation

Science & Math

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

Human Sciences

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| PS215 | INTERNATIONAL RELATIONS | 4 | SPRING ONLY/ ALL YEARS |

Creative & Expressive Arts

| Course | Credit Hours |
|-----------------------------|--------------|
| Any course in this category | 3 |

Human Systems & Organizations

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |

Cultural Perspectives

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |

Uniquely UOG

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |

| Course | Credit Hours |
|-------------------------|--------------|
| Any 101 or 102 language | 4 |

Tier II: Diversity Building

After declaring as a Political Science – Political Science track major, students will take the following to complete this General Education requirement:

1) CD, DF, or UU as a prerequisite:

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS300 | RESEARCH METHODOLOGY IN POLITICAL SCIENCE | 3 | SPRING ONLY/ ALL YEARS |
| PS302 | COMPARATIVE POLITICS | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| PS482 | SPECIAL TOPICS IN POLITICAL SCIENCE | 3 | FALL/SPRING/ ALL YEARS |

3) DF or UU exploration outside major requirements:

| Course | Credit Hours |
|-----------------------------|--------------|
| Any course in this category | 3 |

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| PS492 | CAPSTONE IN POLITICAL SCIENCE | 1 | FALL/SPRING/ ALL YEARS |

Required Courses (38 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |
| PS215 | INTERNATIONAL RELATIONS | 4 | SPRING ONLY/ ALL YEARS |
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |
| PS300 | RESEARCH METHODOLOGY IN POLITICAL SCIENCE | 3 | SPRING ONLY/ ALL YEARS |
| PS302 | COMPARATIVE POLITICS | 3 | FALL ONLY/ ALL YEARS |
| PS326 | POLITICAL PHILOSOPHY | 3 | FALL ONLY/ ALL YEARS |
| PS398 | INTERNSHIP | 3 | FALL ONLY/ ALL YEARS |
| PS492 | CAPSTONE IN POLITICAL SCIENCE | 1 | FALL/SPRING/ ALL YEARS |
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| PS304 | POLITICS OF ASIA | 3 | FALL ONLY/ EVEN YEARS |
| PS306 | POLITICS OF DEVELOPING NATIONS | 3 | FALL ONLY/ ODD YEARS |
| PS307 | POLITICS OF ECONOMIC DEVELOPMENT | 3 | SPRING ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------|---------|---------------------------|
| PS412 | POLITICS OF MICRONESIA | 3 | SPRING ONLY/ ALL YEARS |
| PS440 | INDIGENOUS POLITICS | 3 | FALL ONLY/ EVEN YEARS |

Elective Courses (12 credit hours)

Any combination of upper division (300- and 400-level) **Political Science (PS) courses**. At least one must be a 400-level course or MA-385 Applied Statistics.

CREDIT FOR AP EXAMINATION

Students who report a score of 3 on the Advanced Placement U.S. Government examination will:

1. fulfill prerequisite requirements of other Political Science courses for PS-202 Government in the United States and
2. 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.

GOVERNMENT FOR EDUCATION TRACK REQUIREMENTS (50 CREDIT HOURS)

General Education (Recommended Courses)

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 on the [Student Advisement Sheet](#).

Tier II: Diversity Foundation

Science & Math

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| GE203 | PRINCIPLES OF PHYSICAL GEOGRAPHY | 4 | SPRING ONLY/ ALL YEARS |

Political Science

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |
| PS215 | INTERNATIONAL RELATIONS | 4 | SPRING ONLY/ ALL YEARS |

Human Sciences

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| GE101 | INTRODUCTION TO GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |

Creative & Expressive Arts

| Course | Credit Hours |
|-----------------------------|--------------|
| Any course in this category | 3 |

Human Systems & Organizations

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| GE201 | WORLD REGIONAL GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| HI122 | WORLD HISTORY II | 3 | FALL/SPRING/ ALL YEARS |

Cultural Perspectives

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------|---------|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |

Uniquely UOG

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |

| Course | Credit Hours |
|-------------------------|--------------|
| Any 101 or 102 language | 3 |

Tier II: Diversity Building

After declaring as a Political Science – Political Science track major, students will take the following to complete this General Education requirement:

1) CD, DF, or UU as a prerequisite:

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|-------------------------|
| PS302 | COMPARATIVE POLITICS | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-------------------------|
| PS402 | AMERICAN CONSTITUTIONAL DEVELOPMENT/ LAW | 3 | FALL ONLY/ ODD YEARS |

3) DF or UU exploration outside major requirements:

| Course | Credit Hours |
|-----------------------------|--------------|
| Any course in this category | 3 |

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| PS492 | CAPSTONE IN POLITICAL SCIENCE | 1 | FALL/SPRING/ ALL YEARS |

Required Courses (41 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|------------------------|
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |
| PS215 | INTERNATIONAL RELATIONS | 4 | SPRING ONLY/ ALL YEARS |
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |
| PS307 | POLITICS OF ECONOMIC DEVELOPMENT | 3 | SPRING ONLY/ ALL YEARS |
| PS402 | AMERICAN CONSTITUTIONAL DEVELOPMENT/ LAW | 3 | FALL ONLY/ ODD YEARS |
| PS426 | AMERICAN POLITICAL THOUGHT | 3 | SPRING ONLY/ ALL YEARS |
| PS492 | CAPSTONE IN POLITICAL SCIENCE | 1 | FALL/SPRING/ ALL YEARS |
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|------------------------|
| GE101 | INTRODUCTION TO GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |
| GE201 | WORLD REGIONAL GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|------------------|---------|------------------------|
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| HI122 | WORLD HISTORY II | 3 | FALL/SPRING/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|----------------|---------|------------------------|
| HI201 | EARLY AMERICA | 3 | FALL/SPRING/ ALL YEARS |
| HI202 | MODERN AMERICA | 3 | FALL/SPRING/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------|---------|------------------------|
| PS304 | POLITICS OF ASIA | 3 | FALL ONLY/ EVEN YEARS |
| PS412 | POLITICS OF MICRONESIA | 3 | SPRING ONLY/ ALL YEARS |

Elective Courses (9 credit hours)

Any combination of upper division (300- and 400-level) **Political Science (PS) courses** (at least one course must be a 400-level course).

MINOR REQUIREMENTS

POLITICAL SCIENCE MINOR REQUIREMENTS (22 CREDIT HOURS)

Required Courses (12 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |
| PS215 | INTERNATIONAL RELATIONS | 4 | SPRING ONLY/ ALL YEARS |
| PS225 | STATE AND TERRITORIAL GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (9 credit hours)

Any upper division (300- or 400-level) **Political Science (PS) courses**.

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PSYCHOLOGY PROGRAM

PROSPECTUS

The Field

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.

Relevance

The general objectives of the Psychology Program 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. Within the Micronesian region, in particular, those educated in psychology are able to help address critical issues including drug abuse, domestic violence, and the prevention of suicide.

Career Possibilities

Psychology graduates pursue careers in mental health and social services, child and family services, substance abuse counseling, residential care, rehabilitation, case management, and more. Many psychology majors also continue on to 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;
- 10Acquired knowledge and competence in career planning and development.

DEGREE REQUIREMENTS

PSYCHOLOGY MAJOR REQUIREMENTS (41-42 CREDIT HOURS)

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. It does not apply to General Education courses or to generic electives.

Required Courses (17-18 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| PY210 | INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| PY210L | INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PY413 | RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| PY413L | RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES LAB | 1 | FALL ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| PY492A | PSYCHOLOGY PRACTICUM | 3 | FALL ONLY/ ALL YEARS |
| PY492B | PSYCHOLOGY PRACTICUM | 3 | SPRING ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| MA385 | APPLIED STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| MA387 | STATISTICS FOR SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| MA387L | STATISTICS FOR SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Elective Courses (24 credit hours)

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.

General Education (Recommended Courses)

See the [Student Advisement Sheet](#) of General Education Requirements and include under:

Tier II: Direction Building (9-11 credit hours)

1) CF, DF, or UU as a prerequisite (can be within a declared major):

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PY210 | INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| PY210L | INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

2) DF or major exploration

Any DF course in [Biology \(BI\)](#), [Philosophy \(PI\)](#), [Sociology \(SO\)](#), or [Social Work \(SW\)](#) or any of the following courses:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PY100 | PERSONAL ADJUSTMENT | 3 | FALL/SPRING/ ALL YEARS |
| PY201 | CHILD DEVELOPMENT | 3 | FALL ONLY/ ALL YEARS |
| AN101 | INTRODUCTION TO ANTHROPOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| WG101 | INTRODUCTION TO WOMEN & GENDER STUDIES | 3 | FALL/SPRING/ ALL YEARS |

3) DF or UU exploration outside major requirement (may apply to a minor or second major):

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| BA260 | FUNDAMENTALS OF MARKETING | 3 | FALL/SPRING/ ALL YEARS |
| EN311 | CREATIVE WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN316 | PROFESSIONAL WRITING | 3 | FALL/SPRING/ ALL YEARS |
| EN319 | ADVANCED COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |

OR any other DF course

Tier III – Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-------------------------|
| PY413 | RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES | 3 | FALL ONLY/ ALL YEARS |

PSYCHOLOGY MINOR REQUIREMENTS (19 CREDIT HOURS)

Required Courses (7 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| PY210 | INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| PY210L | INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Elective Courses (12 credit hours)

Any 200-, 300-, or 400-level [Psychology \(PY\)](#) courses, six credits of which must be at the 400 level.

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SOCIOLOGY PROGRAM

PROSPECTUS

The Field

Sociology is the scientific study of the causes and consequences of human interaction. The Sociology Program at the University of Guam combines scientific and humanistic perspectives in the study of family patterns and relationships, social change, social movements, community development, and social issues, such as ethnic, religious, political, and gender relations. Sociology is most interested in the diversity of the world, and it is for this world that students must be prepared.

Career Possibilities

This program equips students with the necessary skills to pursue careers in:

- Research
- Journalism
- Politics and government
- Public relations
- Business
- Counseling
- International aide work
- Criminal justice
- Community development
- Social work
- Public administration
- Education
- Family services



Additionally, this program provides training and a strong foundation for students wishing to pursue graduate degrees in sociology and other related disciplines and for entry-level positions involved with the analysis, interpretation, and evaluation of social behavior, social action, and social institutions.

Why UOG?

Through studying in one of the three areas of concentration of UOG's Sociology Program — Gender & Family Studies, Social Problems Studies, or Development Studies — students will encounter unique opportunities for both personal and academic growth. In recent years, students have presented research at international conferences; received scholarships and travel grants; participated in international field schools, internships, and service opportunities; and engaged with the local and regional communities beyond the classroom.

The Sociology Program also offers a minor, which students may consider as a complement to their chosen major.

LEARNING OUTCOMES

Upon completion of a major or double major in sociology, students will have demonstrated achievement in the ability to:

1. Apply sociological principles and concepts to the social world.
2. Evaluate the effectiveness of sociological theories in explaining aspects of the social world.
3. Apply qualitative and quantitative research methodologies in research design, data collection, and analyses in an ethical manner.
4. Explain sociological knowledge through oral and written communication.

CONCENTRATIONS

SOCIOLOGY CONCENTRATIONS

Students in the Sociology Program must choose one (or more) of the following areas of concentration and take no fewer than nine credit hours in their area.

Gender & Family Studies

The area of Gender & Family Studies focuses on the social dynamics that surround society's definitions of gender and gender identities. It examines the subtle interplay and dynamics of relations between and within the various genders. What does it mean to be female or male in the 21st century? In what ways does culture influence gender? How have gender roles changed over time? Why are gender roles so different throughout our world?

This area of concentration also focuses on one of the most important social groups: the family. How do families function? How do they generate and manage conflict? And in our rapidly changing social world, what new forms of family are emerging that represent diverse societies?

Utilizing the scientific method, students will better understand ways to define families as private and public institutions that are influenced by collective and individualistic cultures. Students will study the ways religion, the state, cultural and racial diversity, social media, and technology construct family structures and their interactions.

Gender and family are inextricably intertwined structures, and it is important to conduct research in the region as these structures continue to transform and adapt to social change.

Social Problems Studies

Have you, or someone you know, ever been a victim of a crime? Have you, or someone you know, ever experienced family violence, drug or alcohol abuse, lived in poverty, or been discriminated against? All of these topics, and many more, are considered social problems.

Sociology is a science, and, as such, the way sociology approaches social problems is through research, the

systematic investigation of the world around us. By conducting research on social problems, sociologists strive to better understand social problems and ideally find solutions for these problems.

The objectives of the Social Problems Studies area of concentration are to:

1. provide students with an understanding of the relevant research on social problems, both in Micronesia and around the world, and
2. assist students in developing the ability to design a research study, collect and analyze data, and present their findings in a research paper.

Ideally, students will develop and apply the sociological perspective as they take a new look at the world around them and the social problems that they encounter. Maybe you will be the person to reduce crime and poverty.

Development Studies

The Development Studies concentration focuses on the ways in which societies grow and transform. The curriculum allows students to explore the realities and challenges of the modern world, while critically looking at how humanity arrived at this place in history.

Why is there so much wealth and yet so much poverty in the world? How have people in different cultures responded to the challenges they face? What can indigenous people teach us, and how can we empower communities to take charge of their own destinies? Development Studies addresses these and many more questions. The framework is grounded in the processes, policies, and practices of development with a particular focus on sustainability, drawing on Indigenous philosophy.

A unique focus on the application of learning outcomes means that students will graduate with:

- a comprehensive understanding of the history and key concepts of development work;
- the skills to lead transformational efforts;
- the capacity to demonstrate initiative, leadership, and originality in identifying challenges and opportunities for our society; and
- the ability to understand global trends and challenges communities face and how they can contribute to the welfare of these communities.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

SOCIOLOGY MAJOR REQUIREMENTS (42–43 CREDIT HOURS)

General Education (Recommended Courses)

See the [Student Advisement Sheet](#) of the General Education Requirements and include under:

Tier II: Direction Building (9-11 credit hours)

1) CF, DF, or UU as a prerequisite (can be within a declared major):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-------------------------|
| SO203 | INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-------------------------|
| SO350 | DEVELOPMENT OF SOCIOLOGICAL THEORY - CLASSICAL | 3 | FALL ONLY/ ALL YEARS |

3) DF or UU exploration outside major requirement (may apply to a minor or second major):

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

Tier III – Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| SO491 | SOCIOLOGICAL RESEARCH SEMINAR | 3 | SPRING ONLY/ ALL YEARS |

Required Courses (21-22 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO203 | INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS | 3 | FALL ONLY/ ALL YEARS |
| SO350 | DEVELOPMENT OF SOCIOLOGICAL THEORY - CLASSICAL | 3 | FALL ONLY/ ALL YEARS |
| SO351 | DEVELOPMENT OF SOCIOLOGICAL THEORY - CONTEMPORARY | 3 | SPRING ONLY/ ALL YEARS |
| SO414 | RESEARCH METHODOLOGY IN SOCIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| SO491 | SOCIOLOGICAL RESEARCH SEMINAR | 3 | SPRING ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| MA385 | APPLIED STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| MA387 | STATISTICS FOR SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| MA387L | STATISTICS FOR SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Elective Courses (21 credit hours)

Take 21 credit hours of 100-, 200-, 300-, and 400-level **Sociology (SO) 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 are required.

Note: A course can only be used once.

CONCENTRATION REQUIREMENTS (9 CREDIT HOURS)

Gender & Family Studies (9 credit hours)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| WG101 | INTRODUCTION TO WOMEN & GENDER STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| SO230 | MARRIAGE AND THE FAMILY | 3 | FALL/SPRING/ ALL YEARS |
| SO342 | SOCIOLOGY OF SEX AND GENDER | 3 | FALL ONLY/ EVEN YEARS |
| SO445 | INEQUALITY AND IDENTITY | 3 | FALL ONLY/ EVEN YEARS |
| SO455 | SOCIOLOGY OF WOMEN | 3 | FALL ONLY/ ODD YEARS |

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| SO480 | SPECIAL TOPICS | 3 | FALL/SPRING/ ALL YEARS |
| SO491 | SOCIOLOGICAL RESEARCH SEMINAR | 3 | SPRING ONLY/ ALL YEARS |
| SO498 | INTERNSHIP | 1 - 6 | FALL/SPRING/ ALL YEARS |

Social Problems Studies (9 credit hours)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| SO344 | AGING: MYTH AND REALITIES | 3 | FALL ONLY/ ALL YEARS |
| SO202 | CONTEMPORARY SOCIAL PROBLEMS | 3 | FALL/SPRING/ ALL YEARS |
| SO221 | SOCIOLOGY OF HEALTH AND MEDICINE | 3 | FALL ONLY/ ALL YEARS |
| SO302 | DEVIANCE AND SOCIAL CONTROL | 3 | SPRING ONLY/ ALL YEARS |
| SO386 | JUVENILE DELINQUENCY AND CRIMINOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| SO411 | SOCIAL ISSUES IN MICRONESIA AND GUAM | 3 | FALL ONLY/ ALL YEARS |
| SO418 | SOCIAL STRATIFICATION | 3 | FALL ONLY/ ALL YEARS |
| AN421 | CROSS-CULTURAL & SOCIOLOGICAL PROBLEMS OF GUAM & MICRONESIA | 3 | SPRING ONLY/ ODD YEARS |
| PY440 | SOCIAL PSYCHOLOGY | 3 | FALL ONLY/ ALL YEARS |

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| SO480 | SPECIAL TOPICS | 3 | FALL/SPRING/ ALL YEARS |
| SO491 | SOCIOLOGICAL RESEARCH SEMINAR | 3 | SPRING ONLY/ ALL YEARS |
| SO498 | INTERNSHIP | 1 - 6 | FALL/SPRING/ ALL YEARS |

Development Studies (9 credit hours)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| PS304 | POLITICS OF ASIA | 3 | FALL ONLY/ EVEN YEARS |
| SO332 | GLOBALIZATION AND HUMAN DYNAMICS | 3 | SPRING ONLY/ EVEN YEARS |
| GE341 | CULTURAL ECOLOGY | 3 | FALL ONLY/ ODD YEARS |
| SO360 | SOCIAL MOVEMENTS AND CHANGE | 3 | SPRING ONLY/ ALL YEARS |
| SO405 | COMMUNITY DEVELOPMENT | 3 | SPRING ONLY/ ODD YEARS |
| MI520 | ECONOMIC DEVELOPMENT AND CHANGE IN MICRONESIA | 3 | FALL ONLY/ ODD YEARS |
| SO475 | HUMAN ECOLOGY: PROBLEMS AND SOLUTIONS | 3 | FALL ONLY/ ODD YEARS |

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| SO480 | SPECIAL TOPICS | 3 | FALL/SPRING/ ALL YEARS |
| SO491 | SOCIOLOGICAL RESEARCH SEMINAR | 3 | SPRING ONLY/ ALL YEARS |
| SO498 | INTERNSHIP | 1 - 6 | FALL/SPRING/ ALL YEARS |

MINOR REQUIREMENTS

SOCIOLOGY MINOR REQUIREMENTS (18 CREDIT HOURS)

General Education (Recommended Courses)

See the [Student Advisement Sheet](#) of the General Education Requirements and include under:

Tier II: Direction Building (9-11 credit hours)

1) CF, DF, or UU as a prerequisite (can be within a declared major):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-------------------------|
| SO203 | INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS | 3 | FALL ONLY/ ALL YEARS |

2) DF or major exploration:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-------------------------|
| SO350 | DEVELOPMENT OF SOCIOLOGICAL THEORY - CLASSICAL | 3 | FALL ONLY/ ALL YEARS |

3) DF or UU exploration outside major requirement (may apply to a minor or second major):

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

Tier III – Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| SO491 | SOCIOLOGICAL RESEARCH SEMINAR | 3 | SPRING ONLY/ ALL YEARS |

Required Courses (3 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (15 credit hours)

Take 15 credit hours of any 200-level or above [Sociology \(SO\) courses](#), six credit hours of which must be at the 300- or 400-level.

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WOMEN AND GENDER STUDIES PROGRAM

PROSPECTUS

The Women & Gender Studies Program is an interdisciplinary minor and certificate program designed to provide students with a gender-focused curriculum that fully incorporates the concept of gender and is responsive to the issues, experiences, research, and discourse of multiple gender identities in Guam, within Micronesia, and throughout the global community.

The Women & Gender Studies program covers a wide range of contemporary topics dealing with the processes, trends, and explanations of family, women, and gender in our diverse society. The focus of the program is to aid undergraduate students in their understanding and development of major theories, issues, and research from an interdisciplinary perspective. The program is

designed to provide students with the tools and abilities to assess, discuss, research, analyze, and write about change throughout the region; generating pathways to research careers.

Students will graduate with the skills needed to pursue careers in:

- Advocacy
- Business
- Community Development
- Counseling
- Education
- Government
- International Aide
- Journalism
- Media Literacy
- Research Associations
- Social Services
- National Leadership

Additionally, the Women & Gender Studies program provides training and a strong foundation for students wishing to pursue graduate degrees in Women & Gender Studies and other related disciplines.

One of the major strengths of the program is the Regional Research Center. The Women & Gender Regional Research Center supports the efforts of STEM (science, technology, engineering, and math); BUILD EXITO (research, mentoring, and career development); and the Micronesian Studies Graduate Program. The Women & Gender Studies program is for students who are interested in gender and regional research in the social, economic, cultural, and political achievements of Pacific Islanders and indigenous women, whose contributions influence and contribute to the advancement of women throughout the region. Emphasis is on undergraduate student research.

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 multiple gender identities 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 multiple gender identities in the multicultural community of Guam and culturally diverse Micronesian region within a comparative framework.
4. To provide professionals, as well as non-professional community-based individuals, with a series of gender-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 further establish the Regional Research Center that will investigate the needs and issues critical to people in Guam and throughout the Pacific Islands, which will serve to increase gender parity locally and internationally.

LEARNING OUTCOMES

Upon the completion of the Women & Gender Studies minor or certificate, students will demonstrate the ability to:

1. Understand and critique the significance of gender in the lives, identities, activities, opportunities, and concerns of multiple gender identities locally, regionally, and transnationally.
2. Analyze how gendered identities intersect with social media, the state, religion, the economy, ethnicity, race, class, and sexual orientation and how systems of inequality and oppression operate and are sustained.
3. Examine theoretical and practical connections between gender studies and students' major field of study by highlighting issues, experiences, research, and discourses relevant to Guam, Micronesia, and the global community.
4. Engage in research mindful of the needs and issues critical to cultural diversity in Guam, Micronesia, and the Pacific Islands, which will increase regional scholar-based partnerships, interpersonal skills, and leadership roles for students.



DEGREE REQUIREMENTS

MINOR REQUIREMENTS

WOMEN AND GENDER STUDIES MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| WG101 | INTRODUCTION TO WOMEN & GENDER STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| WG490 | SPECIAL PROJECT | 3 | AS REQUIRED |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| WG201 | GENDER AND SOCIETY | 3 | FALL ONLY/ ALL YEARS |
| WG230 | MARRIAGE AND THE FAMILY | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (9 credit hours)

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 | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| WG323 | LITERATURE BY WOMEN | 3 | FALL ONLY/ ALL YEARS |
| EN460 | LITERATURES IN ENGLISH | 3 | FALL ONLY/ ALL YEARS |
| WG461 | PACIFIC WOMEN WRITERS | 3 | SPRING ONLY/ ODD YEARS |
| WG230 | MARRIAGE AND THE FAMILY | 3 | FALL/SPRING/ ALL YEARS |
| SO342 | SOCIOLOGY OF SEX AND GENDER | 3 | FALL ONLY/ EVEN YEARS |
| SO455 | SOCIOLOGY OF WOMEN | 3 | FALL ONLY/ ODD YEARS |
| WG455 | PSYCHOLOGY OF WOMEN | 3 | SPRING ONLY/ ALL YEARS |
| PY491 | PSYCHOLOGICAL RESEARCH SEMINAR | 3 | FALL/SPRING/ ALL YEARS |
| AL330 | NUTRITION THROUGHOUT THE LIFESPAN | 3 | FALL ONLY/ ALL YEARS |
| AL450 | FAMILY RESOURCES | 3 | SPRING ONLY/ ODD YEARS |
| SW480 | FAMILY VIOLENCE | 3 | SPRING ONLY/ ALL YEARS |
| SW345 | SOCIAL JUSTICE | 3 | FALL ONLY/ ALL YEARS |
| HI450 | TOPICS IN PACIFIC HISTORY | 3 | SPRING ONLY/ ALL YEARS |

CERTIFICATE REQUIREMENTS

WOMEN AND GENDER STUDIES CERTIFICATE REQUIREMENTS (12 CREDIT HOURS)

Required Courses (3 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| WG101 | INTRODUCTION TO WOMEN & GENDER STUDIES | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (9 credit hours)

The following course may be taken when topic is women and gender-focused:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| WG201 | GENDER AND SOCIETY | 3 | FALL ONLY/ ALL YEARS |
| WG323 | LITERATURE BY WOMEN | 3 | FALL ONLY/ ALL YEARS |
| EN460 | LITERATURES IN ENGLISH | 3 | FALL ONLY/ ALL YEARS |
| WG461 | PACIFIC WOMEN WRITERS | 3 | SPRING ONLY/ ODD YEARS |
| WG230 | MARRIAGE AND THE FAMILY | 3 | FALL/SPRING/ ALL YEARS |
| SO342 | SOCIOLOGY OF SEX AND GENDER | 3 | FALL ONLY/ EVEN YEARS |
| SO455 | SOCIOLOGY OF WOMEN | 3 | FALL ONLY/ ODD YEARS |
| WG455 | PSYCHOLOGY OF WOMEN | 3 | SPRING ONLY/ ALL YEARS |
| PY491 | PSYCHOLOGICAL RESEARCH SEMINAR | 3 | FALL/SPRING/ ALL YEARS |
| AL330 | NUTRITION THROUGHOUT THE LIFESPAN | 3 | FALL ONLY/ ALL YEARS |
| AL450 | FAMILY RESOURCES | 3 | SPRING ONLY/ ODD YEARS |
| SW345 | SOCIAL JUSTICE | 3 | FALL ONLY/ ALL YEARS |
| SW480 | FAMILY VIOLENCE | 3 | SPRING ONLY/ ALL YEARS |

Students may also choose elective courses from other programs cross-listed with Women and Gender Studies or special workshops offered by the program.



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COLLEGE OF NATURAL AND APPLIED SCIENCES

AGRICULTURE & LIFE SCIENCES PROGRAM

PROSPECTUS

The undergraduate Agriculture & 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 & 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 lifelong learning to enhance their knowledge base, and demonstrate an ability to integrate knowledge from the sciences and the arts.

TRACKS

AGRICULTURE & LIFE SCIENCES TRACKS

The Agriculture & Life Sciences Program has four tracks:

Agriculture & Natural Resource Science

The Agriculture & 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, & 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 & Food Sciences

Students majoring in the Human Nutrition & 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 & 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 & Family Life Sciences

The Child & 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 & Life Sciences degree.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

AGRICULTURE & LIFE SCIENCES MAJOR REQUIREMENTS (112-130 CREDIT HOURS)

| Description | Credit Hours |
|---------------------------|-----------------|
| General Education Courses | 35-47 |
| ALS Core Courses | 22-25 |
| Track-Specific Courses | 55-60 |
| Total Credit Hours | 112-130* |

Note:

- *Students must complete a minimum of 15 credits of upper division Agriculture & Life Sciences courses.*
- *Agriculture & Life Science majors must have a "C" or better in all courses required for the major.*

General Education (35-47 credit hours)

Students must complete the [General Education requirements](#) listed in this catalog. Some of these courses are also Agriculture & 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.

Core Courses (22-25 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| AL101 | INTRODUCTION TO AGRICULTURE | 3 | FALL/SPRING/ ALL YEARS |
| AL101L | INTRODUCTION TO AGRICULTURE LAB | 1 | FALL/SPRING/ ALL YEARS |
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |
| AL351 | PERSONAL AND FAMILY FINANCIAL MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| AL499 | CAPSTONE SEMINAR | 3 | FALL/SPRING/ ALL YEARS |

Choice of (3-4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| MA387 | STATISTICS FOR SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| MA387L | STATISTICS FOR SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI412 | BIOMETRICS | 3 | FALL ONLY/ ALL YEARS |
| BI412L | BIOMETRICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Choice of (3-5 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|------------------|---------|---------------------------|
| AL490 | SPECIAL PROJECTS | 2 - 3 | FALL/SPRING/ ALL YEARS |
| AL498 | INTERNSHIP | 2 - 3 | FALL/SPRING/ ALL YEARS |

**Note: AL-101/L, AL-185, AL-499 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 & Life Sciences majors and non-majors.

Agriculture & Natural Resource Science Track Requirements (55 credit hours)

Required Courses (51 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI315 | GENERAL GENETICS | 3 | FALL ONLY/ ALL YEARS |
| BI315L | GENERAL GENETICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| AL281 | PRINCIPLES OF HORTICULTURAL SCIENCE | 3 | SPRING ONLY/ ALL YEARS |
| AL281L | PRINCIPLES OF HORTICULTURAL SCIENCE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL380 | PRINCIPLES OF SOIL SCIENCE | 3 | FALL ONLY/ ALL YEARS |
| AL380L | PRINCIPLES OF SOIL SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| AL136 | SCIENCE OF AQUACULTURE | 3 | SPRING ONLY/ ALL YEARS |
| AL136L | SCIENCE OF AQUACULTURE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL211 | INTRODUCTION TO ANIMAL SCIENCE | 3 | FALL ONLY/ ALL YEARS |
| AL211L | INTRODUCTION TO ANIMAL SCIENCE LAB | 1 | FALL ONLY/ ALL YEARS |

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| AL323 | PLANT PATHOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| AL323L | PLANT PATHOLOGY LAB | 1 | FALL ONLY/ EVEN YEARS |
| AL340 | PEST MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |
| AL340L | PEST MANAGEMENT LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL345 | GENERAL ENTOMOLOGY | 3 | FALL ONLY/ ODD YEARS |
| AL345L | GENERAL ENTOMOLOGY LABORATORY | 1 | FALL ONLY/ ODD YEARS |

Elective Courses (4 credit hours)

Upper division electives selected with an advisor. It is recommended to coordinate electives with Agriculture & Life Sciences or other UOG minor options.

**Tropical Agriculture Production Track
Requirements (59 credit hours)**

Required Courses (47 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| AL102 | INTRODUCTION TO PLANT SCIENCE | 3 | FALL/SPRING/ ALL YEARS |
| AL102L | INTRODUCTION TO PLANT SCIENCE LAB | 1 | FALL/SPRING/ ALL YEARS |
| AL281 | PRINCIPLES OF HORTICULTURAL SCIENCE | 3 | SPRING ONLY/ ALL YEARS |
| AL281L | PRINCIPLES OF HORTICULTURAL SCIENCE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL321 | HORTICULTURAL PLANT ID AND PROPAGATION | 3 | FALL ONLY/ EVEN YEARS |
| AL321L | HORTICULTURAL PLANT ID AND PROPAGATION LAB | 1 | FALL ONLY/ EVEN YEARS |
| AL323 | PLANT PATHOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| AL323L | PLANT PATHOLOGY LAB | 1 | FALL ONLY/ EVEN YEARS |
| AL340 | PEST MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |
| AL340L | PEST MANAGEMENT LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL345 | GENERAL ENTOMOLOGY | 3 | FALL ONLY/ ODD YEARS |
| AL345L | GENERAL ENTOMOLOGY LABORATORY | 1 | FALL ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|-------------------------|
| AL380 | PRINCIPLES OF SOIL SCIENCE | 3 | FALL ONLY/ ALL YEARS |
| AL380L | PRINCIPLES OF SOIL SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Choice of (8 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CH100 | INTRODUCTION TO INORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH100L | INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH101 | INTRODUCTION TO ORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH101L | INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| AL136 | SCIENCE OF AQUACULTURE | 3 | SPRING ONLY/ ALL YEARS |
| AL136L | SCIENCE OF AQUACULTURE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL211 | INTRODUCTION TO ANIMAL SCIENCE | 3 | FALL ONLY/ ALL YEARS |
| AL211L | INTRODUCTION TO ANIMAL SCIENCE LAB | 1 | FALL ONLY/ ALL YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| AL389 | EXTENSION PROGRAMS & PLANNING | 3 | SPRING ONLY/ ALL YEARS |
| AL451 | AGRICULTURAL BUSINESS MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| AL484 | TROPICAL VEGETABLE PRODUCTION | 3 | SPRING ONLY/ ODD YEARS |
| AL484L | TROPICAL VEGETABLE PRODUCTION LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL485 | TROPICAL FRUITS HORTICULTURE | 3 | SPRING ONLY/ EVEN YEARS |
| AL485L | TROPICAL FRUITS HORTICULTURE LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |
| AL486 | ORNAMENTAL CROP PRODUCTION IN THE TROPICS | 3 | SPRING ONLY/ ODD YEARS |
| AL486L | ORNAMENTAL CROP PRODUCTION IN THE PACIFIC LABORATORY | 1 | SPRING ONLY/ ODD YEARS |

Elective Courses (12 credit hours)

Upper division electives selected with an advisor. It is recommended to coordinate electives with Agriculture & Life Sciences or other UOG minor options.

**Human Nutrition & Food Sciences Track
Requirements (58–60 credit hours)**

Required Courses (52-54 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| AL140 | SCIENTIFIC PRINCIPLES OF FOOD PREPARATION | 3 | FALL ONLY/ ALL YEARS |
| AL140L | SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB | 1 | FALL ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| AL330 | NUTRITION THROUGHOUT THE LIFESPAN | 3 | FALL ONLY/ ALL YEARS |
| AL335 | NUTRITION FOR HEALTH, FITNESS AND SPORT | 3 | SPRING ONLY/ ALL YEARS |
| AL342 | FOOD SAFETY AND SANITATION | 3 | SPRING ONLY/ ODD YEARS |
| AL439 | COMMUNITY NUTRITION | 3 | SPRING ONLY/ ODD YEARS |
| AL445 | FOOD CHEMISTRY | 3 | SPRING ONLY/ EVEN YEARS |
| AL445L | FOOD CHEMISTRY LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |
| AL460 | ADVANCED HUMAN NUTRITION | 4 | FALL ONLY/ EVEN YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|-------------------------|
| AL470 | NUTRITION EDUCATION AND COUNSELING | 3 | FALL ONLY/ ODD YEARS |
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Choice of (4-6 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|----------------------------|
| AL455G | NUTRITIONAL ASSESSMENT | 3 | SPRING ONLY/ ODD YEARS |
| AL475 | MEDICAL NUTRITION THERAPY | 3 | SPRING ONLY/ EVEN YEARS |
| AL300 | FOOD PROCESSING TECHNOLOGY | 3 | FALL ONLY/ ODD YEARS |
| AL300L | FOOD PROCESSING TECHNOLOGY LAB | 1 | FALL ONLY/ ODD YEARS |

Elective Courses (6 credit hours)

Upper division electives selected with an advisor. It is recommended to coordinate electives with Agriculture & Life Sciences or other UOG minor options.

Child & Family Life Sciences Track Requirements (58–59 credit hours)

Required Courses (49-50 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| AL140 | SCIENTIFIC PRINCIPLES OF FOOD PREPARATION | 3 | FALL ONLY/ ALL YEARS |
| AL140L | SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB | 1 | FALL ONLY/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| AN212 | CULTURAL ANTHROPOLOGY | 3 | FALL ONLY/ ALL YEARS |
| SO230 | MARRIAGE AND THE FAMILY | 3 | FALL/SPRING/ ALL YEARS |
| SW313 | RESEARCH METHODS FOR HEALTH AND SOCIAL SERVICES | 3 | SPRING ONLY/ ALL YEARS |
| ED300 | EDUCATIONAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| AL330 | NUTRITION THROUGHOUT THE LIFESPAN | 3 | FALL ONLY/ ALL YEARS |
| SW344 | AGING: MYTH & REALITIES | 3 | FALL ONLY/ ALL YEARS |
| ED350 | EFFECTIVE TEACHING STRATEGIES FOR THE ELEMENTARY MULTICULTURAL CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| AL389 | EXTENSION PROGRAMS & PLANNING | 3 | SPRING ONLY/ ALL YEARS |
| AL450 | FAMILY RESOURCES | 3 | SPRING ONLY/ ODD YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |
| ED363 | P.E. AND HEALTH METHODS ELEMENTARY | 3 | SPRING ONLY/ ALL YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|----------------------------|
| SO332 | GLOBALIZATION AND HUMAN DYNAMICS | 3 | SPRING ONLY/ EVEN YEARS |
| SO360 | SOCIAL MOVEMENTS AND CHANGE | 3 | SPRING ONLY/ ALL YEARS |

Choice of (3-4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|-------------------------|
| HS210 | HUMAN BIOLOGY AND BEHAVIOR | 3 | FALL ONLY/ ALL YEARS |
| BI110 | HUMAN BIOLOGY | 3 | AS REQUIRED |
| BI110L | HUMAN BIOLOGY LABORATORY | 1 | AS REQUIRED |

Choice of (3-4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|--------------------------|
| AL309 | YOUTH AT RISK | 3 | FALL ONLY/ ODD YEARS |
| PE214 | COMMUNITY HEALTH FOR EDUCATORS | 3 | FALL ONLY/ EVEN YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| SW480 | FAMILY VIOLENCE | 3 | SPRING ONLY/ ALL YEARS |
| ED334 | SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (9 credit hours)

Upper division electives selected with an advisor. It is recommended to coordinate electives with Agriculture & Life Sciences or other UOG minor options.

MINOR REQUIREMENTS

**MINOR IN TROPICAL
HORTICULTURE COURSE
REQUIREMENTS (24 CREDITS)**

Required Courses (24 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| AL281 | PRINCIPLES OF HORTICULTURAL SCIENCE | 3 | SPRING ONLY/ ALL YEARS |
| AL281L | PRINCIPLES OF HORTICULTURAL SCIENCE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL340 | PEST MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |
| AL340L | PEST MANAGEMENT LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL380 | PRINCIPLES OF SOIL SCIENCE | 3 | FALL ONLY/ ALL YEARS |
| AL380L | PRINCIPLES OF SOIL SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| AL443 | TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE | 3 | SPRING ONLY/ ODD YEARS |
| AL443L | TECHONOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY | 1 | SPRING ONLY/ ODD YEARS |

Choice of (8 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| AL484 | TROPICAL VEGETABLE PRODUCTION | 3 | SPRING ONLY/ ODD YEARS |
| AL484L | TROPICAL VEGETABLE PRODUCTION LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL485 | TROPICAL FRUITS HORTICULTURE | 3 | SPRING ONLY/ EVEN YEARS |
| AL485L | TROPICAL FRUITS HORTICULTURE LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |

OR Choice of (8 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| AL481 | ENVIRONMENTAL SOIL SCIENCE | 3 | SPRING ONLY/ ODD YEARS |
| AL481L | ENVIRONMENTAL SOIL SCIENCE LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| AL484 | TROPICAL VEGETABLE PRODUCTION | 3 | SPRING ONLY/ ODD YEARS |
| AL484L | TROPICAL VEGETABLE PRODUCTION LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL485 | TROPICAL FRUITS HORTICULTURE | 3 | SPRING ONLY/ EVEN YEARS |
| AL485L | TROPICAL FRUITS HORTICULTURE LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |

MINOR IN CROP & ENVIRONMENTAL PROTECTION

SCIENCE REQUIREMENTS (24 CREDITS)

Required Courses (16 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| AL281 | PRINCIPLES OF HORTICULTURAL SCIENCE | 3 | SPRING ONLY/ ALL YEARS |
| AL281L | PRINCIPLES OF HORTICULTURAL SCIENCE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL380 | PRINCIPLES OF SOIL SCIENCE | 3 | FALL ONLY/ ALL YEARS |
| AL380L | PRINCIPLES OF SOIL SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| AL443 | TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE | 3 | SPRING ONLY/ ODD YEARS |
| AL443L | TECHONOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY | 1 | SPRING ONLY/ ODD YEARS |

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| AL323 | PLANT PATHOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| AL323L | PLANT PATHOLOGY LAB | 1 | FALL ONLY/ EVEN YEARS |
| AL340 | PEST MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |
| AL340L | PEST MANAGEMENT LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL345 | GENERAL ENTOMOLOGY | 3 | FALL ONLY/ ODD YEARS |
| AL345L | GENERAL ENTOMOLOGY LABORATORY | 1 | FALL ONLY/ ODD YEARS |

Elective Courses (8 credit hours)

CEPS-related upper division electives (selected with and approved by ALS advisor)

MINOR IN FARM & NATURAL RESOURCES MANAGEMENT REQUIREMENTS (22 CREDITS)

Required Courses (22 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| AL102 | INTRODUCTION TO PLANT SCIENCE | 3 | FALL/SPRING/ ALL YEARS |
| AL102L | INTRODUCTION TO PLANT SCIENCE LAB | 1 | FALL/SPRING/ ALL YEARS |
| AL281 | PRINCIPLES OF HORTICULTURAL SCIENCE | 3 | SPRING ONLY/ ALL YEARS |
| AL281L | PRINCIPLES OF HORTICULTURAL SCIENCE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL351 | PERSONAL AND FAMILY FINANCIAL MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| AL451 | AGRICULTURAL BUSINESS MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |
| AL484 | TROPICAL VEGETABLE PRODUCTION | 3 | SPRING ONLY/ ODD YEARS |
| AL484L | TROPICAL VEGETABLE PRODUCTION LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL485 | TROPICAL FRUITS HORTICULTURE | 3 | SPRING ONLY/ EVEN YEARS |
| AL485L | TROPICAL FRUITS HORTICULTURE LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |

MINOR IN FOOD SCIENCE REQUIREMENTS (24 CREDITS)

Required Courses (23 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| AL140 | SCIENTIFIC PRINCIPLES OF FOOD PREPARATION | 3 | FALL ONLY/ ALL YEARS |
| AL140L | SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB | 1 | FALL ONLY/ ALL YEARS |
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| AL300 | FOOD PROCESSING TECHNOLOGY | 3 | FALL ONLY/ ODD YEARS |
| AL300L | FOOD PROCESSING TECHNOLOGY LAB | 1 | FALL ONLY/ ODD YEARS |
| AL342 | FOOD SAFETY AND SANITATION | 3 | SPRING ONLY/ ODD YEARS |
| AL445 | FOOD CHEMISTRY | 3 | SPRING ONLY/ EVEN YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|----------------------------|
| AL445L | FOOD CHEMISTRY LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |

MINOR IN NUTRITION REQUIREMENTS (27 CREDITS)

Required Courses (18 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| AL140 | SCIENTIFIC PRINCIPLES OF FOOD PREPARATION | 3 | FALL ONLY/ ALL YEARS |
| AL140L | SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB | 1 | FALL ONLY/ ALL YEARS |
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |
| AL330 | NUTRITION THROUGHOUT THE LIFESPAN | 3 | FALL ONLY/ ALL YEARS |

Choice of (8 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Elective Courses (9 credit hours)

Choice of three of the following courses selected with and approved by minor advisor:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| AL439 | COMMUNITY NUTRITION | 3 | SPRING ONLY/ ODD YEARS |
| AL335 | NUTRITION FOR HEALTH, FITNESS AND SPORT | 3 | SPRING ONLY/ ALL YEARS |
| AL445 | FOOD CHEMISTRY | 3 | SPRING ONLY/ EVEN YEARS |
| AL445L | FOOD CHEMISTRY LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |
| AL470 | NUTRITION EDUCATION AND COUNSELING | 3 | FALL ONLY/ ODD YEARS |
| AL475 | MEDICAL NUTRITION THERAPY | 3 | SPRING ONLY/ EVEN YEARS |
| AL342 | FOOD SAFETY AND SANITATION | 3 | SPRING ONLY/ ODD YEARS |
| AL460 | ADVANCED HUMAN NUTRITION | 4 | FALL ONLY/ EVEN YEARS |

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BIOLOGY PROGRAM

PROSPECTUS

The Field

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.

Relevance and Demand

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 increased, 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.

Why UOG?

UOG's Biology Program is unique as a result of our geographic placement that allows unequalled 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.

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 Biology 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.

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.

Career and Post-Graduate Possibilities

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.

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.

Offerings for Non-Majors

The program provides courses for non-majors as well, including those majoring in Nursing, Agriculture & 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.

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

BIOLOGY 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

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.

BIOLOGY 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.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

Students considering majoring in Biology should meet with the [CNAS academic advisor](#) 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 fanucha#nan (Aug.–Dec.) semester followed by BI-157/BI-157L Principles of Biology I lecture and lab in the subsequent fan#omna#kan (Jan.–May) semester. In fanucha#nan 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.

Biology majors must have a "C" or better in all courses required for the major and must have a "C" or better in prerequisite coursework for biology courses.

INTEGRATIVE BIOLOGY TRACK (86–88 CREDIT HOURS)

General Education (Recommended Courses)

Tier II: Diversity Foundation:

Creative & Expressive Arts:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|---------------------------|
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |

Required Courses (74-75 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI310 | EVOLUTION | 3 | SPRING ONLY/ ALL YEARS |
| BI315 | GENERAL GENETICS | 3 | FALL ONLY/ ALL YEARS |
| BI315L | GENERAL GENETICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI320 | SCIENTIFIC REPORT WRITING | 2 | SPRING ONLY/ ALL YEARS |
| BI321 | SCIENTIFIC ARGUMENTS | 2 | SPRING ONLY/ ALL YEARS |
| BI412 | BIOMETRICS | 3 | FALL ONLY/ ALL YEARS |
| BI412L | BIOMETRICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH310B | ORGANIC CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| CH312 | LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | SPRING ONLY/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| BI392 | LABORATORY TEACHING AND ASSISTING | 1 - 3 | FALL/SPRING/ ALL YEARS |

Or:

BI-390 Special Project

BI-398 Internship

BI-498 Internship

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|----------------------------|
| BI302 | PLANT BIOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI302L | PLANT BIOLOGY LABORATORY | 1 | FALL ONLY/ EVEN YEARS |
| BI365 | PLANT SYSTEMATICS | 3 | SPRING ONLY/ EVEN YEARS |
| BI365L | PLANT SYSTEMATICS LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI303 | INVERTEBRATE ZOOLOGY | 3 | SPRING ONLY/ ODD YEARS |
| BI303L | INVERTEBRATE ZOOLOGY LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| BI333 | COMPARATIVE VERTEBRATE ANATOMY | 3 | FALL ONLY/ ODD YEARS |
| BI333L | COMPARATIVE VERTEBRATE ANATOMY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Choice of (5-6 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

BI-100/L, BI-157/L, BI-158/L, and CH-102/L may also fulfill [General Education requirements](#).

May not be double counted as required, elective, or capstone courses.

Track-Specific Elective Courses (8 credit hours)

Elective courses cannot double count as track required courses. Other elective courses not listed here must be upper division science courses and approved by student's advisor and program chair.

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI302 | PLANT BIOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI302L | PLANT BIOLOGY LABORATORY | 1 | FALL ONLY/ EVEN YEARS |
| BI303 | INVERTEBRATE ZOOLOGY | 3 | SPRING ONLY/ ODD YEARS |
| BI303L | INVERTEBRATE ZOOLOGY LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| BI323 | PLANT PATHOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI323L | PLANT PATHOLOGY LAB | 1 | FALL ONLY/ EVEN YEARS |
| BI333 | COMPARATIVE VERTEBRATE ANATOMY | 3 | FALL ONLY/ ODD YEARS |
| BI333L | COMPARATIVE VERTEBRATE ANATOMY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI350 | ETHOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI350L | ETHOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI365 | PLANT SYSTEMATICS | 3 | SPRING ONLY/ EVEN YEARS |
| BI365L | PLANT SYSTEMATICS LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| BI345 | GENERAL ENTOMOLOGY | 3 | FALL ONLY/ ODD YEARS |
| BI345L | GENERAL ENTOMOLOGY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI380 | OCEANOGRAPHY | 3 | FALL ONLY/ ALL YEARS |
| BI380L | OCEANOGRAPHY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI410 | ECOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI410L | ECOLOGY LABORATORY | 2 | SPRING ONLY/ ALL YEARS |
| BI416 | CELLULAR & MOLECULAR BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI416L | CELLULAR & MOLECULAR BIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI419 | BIOCHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| BI419L | BIOCHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI425 | MOLECULAR MEDICINE | 3 | SPRING ONLY/ ODD YEARS |
| BI425L | MOLECULAR MEDICINE LABORATORY | 2 | SPRING ONLY/ ODD YEARS |
| BI430 | SCIENTIFIC PHOTOGRAPHY | 3 | SPRING ONLY/ EVEN YEARS |
| BI430L | SCIENTIFIC PHOTOGRAPHY LABORATORY | 1 | |
| BI432 | PHARMACOLOGY | 3 | FALL ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| BI474 | MARINE BOTANY | 4 | SPRING ONLY/ ODD YEARS |
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| GE480 | SPECIAL TOPICS IN GEOGRAPHY | 3 | SPRING ONLY/ ALL YEARS |

Capstone (4-5 credit hours)

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| BI410 | ECOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI410L | ECOLOGY LABORATORY | 2 | SPRING ONLY/ ALL YEARS |
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Note: Biology capstone cannot double count as Integrative Biology required or elective courses.

BIO-MEDICAL TRACK (90-91 CREDIT HOURS)

General Education (Recommended Courses)

Tier II: Diversity Foundation

Human Sciences:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Creative & Expressive Arts:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|---------------------------|
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |

Required Courses (82-83 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI310 | EVOLUTION | 3 | SPRING ONLY/ ALL YEARS |
| BI315 | GENERAL GENETICS | 3 | FALL ONLY/ ALL YEARS |
| BI315L | GENERAL GENETICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI320 | SCIENTIFIC REPORT WRITING | 2 | SPRING ONLY/ ALL YEARS |
| BI321 | SCIENTIFIC ARGUMENTS | 2 | SPRING ONLY/ ALL YEARS |
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI416 | CELLULAR & MOLECULAR BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI416L | CELLULAR & MOLECULAR BIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI419 | BIOCHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| BI419L | BIOCHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH310B | ORGANIC CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY | 2 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| | TECHNIQUES IN ORGANIC CHEMISTRY | | |
| CH312 | LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | SPRING ONLY/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| BI392 | LABORATORY TEACHING AND ASSISTING | 1 - 3 | FALL/SPRING/ ALL YEARS |

Or:

BI-390 Special Project

BI-398 Internship

BI-498 Internship

Choice of (5-6 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |

BI-100/L, BI-157/L, BI-158/L, and CH-102/L may also fulfill [General Education requirements](#).

Any upper division [Biology \(BI\)](#) course or other [Chemistry \(CH\)](#) or [Health Sciences \(HS\)](#) course approved by the Biology Program chair.

Track-Specific Elective Courses (4 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| BI302 | PLANT BIOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI302L | PLANT BIOLOGY LABORATORY | 1 | FALL ONLY/ EVEN YEARS |
| BI303 | INVERTEBRATE ZOOLOGY | 3 | SPRING ONLY/ ODD YEARS |
| BI303L | INVERTEBRATE ZOOLOGY LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| BI323 | PLANT PATHOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI323L | PLANT PATHOLOGY LAB | 1 | FALL ONLY/ EVEN YEARS |
| BI333 | COMPARATIVE VERTEBRATE ANATOMY | 3 | FALL ONLY/ ODD YEARS |
| BI333L | COMPARATIVE VERTEBRATE ANATOMY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI350 | ETHOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI350L | ETHOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI345 | GENERAL ENTOMOLOGY | 3 | FALL ONLY/ ODD YEARS |
| BI345L | GENERAL ENTOMOLOGY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI365 | PLANT SYSTEMATICS | 3 | SPRING ONLY/ EVEN YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|----------------------------|
| BI365L | PLANT SYSTEMATICS LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |
| BI380 | OCEANOGRAPHY | 3 | FALL ONLY/ ALL YEARS |
| BI380L | OCEANOGRAPHY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI410 | ECOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI410L | ECOLOGY LABORATORY | 2 | SPRING ONLY/ ALL YEARS |
| BI412 | BIOMETRICS | 3 | FALL ONLY/ ALL YEARS |
| BI412L | BIOMETRICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI425 | MOLECULAR MEDICINE | 3 | SPRING ONLY/ ODD YEARS |
| BI425L | MOLECULAR MEDICINE LABORATORY | 2 | SPRING ONLY/ ODD YEARS |
| BI430 | SCIENTIFIC PHOTOGRAPHY | 3 | SPRING ONLY/ EVEN YEARS |
| BI430L | SCIENTIFIC PHOTOGRAPHY LABORATORY | 1 | |
| BI432 | PHARMACOLOGY | 3 | FALL ONLY/ ODD YEARS |
| HS405 | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| HS322 | KINESIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| CH350 | FOUNDATIONS OF PHYSICAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH350L | FOUNDATIONS OF PHYSICAL | 1 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|----------------------|---------|--------------|
| | CHEMISTRY LABORATORY | | |

Capstone Course (4 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

APPLIED BIOLOGY TRACK (87-89 CREDIT HOURS)

General Education (Recommended Courses)

Tier II: Diversity Foundation

Creative & Expressive Arts:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|---------------------------|
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |

Required Courses (55-56 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI310 | EVOLUTION | 3 | SPRING ONLY/ ALL YEARS |
| BI315 | GENERAL GENETICS | 3 | FALL ONLY/ ALL YEARS |
| BI315L | GENERAL GENETICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI320 | SCIENTIFIC REPORT WRITING | 2 | SPRING ONLY/ ALL YEARS |
| BI321 | SCIENTIFIC ARGUMENTS | 2 | SPRING ONLY/ ALL YEARS |
| BI412 | BIOMETRICS | 3 | FALL ONLY/ ALL YEARS |
| BI412L | BIOMETRICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH101 | INTRODUCTION TO ORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CH101L | INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Choice of (3 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| BI392 | LABORATORY TEACHING AND ASSISTING | 1 - 3 | FALL/SPRING/ ALL YEARS |

Or:

BI-390 Special Project

BI-398 Internship

BI-498 Internship

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|----------------------------|
| BI302 | PLANT BIOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI302L | PLANT BIOLOGY LABORATORY | 1 | FALL ONLY/ EVEN YEARS |
| BI365 | PLANT SYSTEMATICS | 3 | SPRING ONLY/ EVEN YEARS |
| BI365L | PLANT SYSTEMATICS LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI303 | INVERTEBRATE ZOOLOGY | 3 | SPRING ONLY/ ODD YEARS |
| BI303L | INVERTEBRATE ZOOLOGY LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| BI333 | COMPARATIVE VERTEBRATE ANATOMY | 3 | FALL ONLY/ ODD YEARS |
| BI333L | COMPARATIVE VERTEBRATE ANATOMY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Choice of (5-6 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

BI-100/L, BI-157/L, BI-158/L, and CH-102/L may also fulfill [General Education requirements](#).

BI-410/L may not be double counted as required, elective, or capstone courses.

STEM Upper-Division Electives (16 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| BI302 | PLANT BIOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI302L | PLANT BIOLOGY LABORATORY | 1 | FALL ONLY/ EVEN YEARS |
| BI323 | PLANT PATHOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI323L | PLANT PATHOLOGY LAB | 1 | FALL ONLY/ EVEN YEARS |
| BI333 | COMPARATIVE VERTEBRATE ANATOMY | 3 | FALL ONLY/ ODD YEARS |
| BI333L | COMPARATIVE VERTEBRATE ANATOMY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI350 | ETHOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI350L | ETHOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI380 | OCEANOGRAPHY | 3 | FALL ONLY/ ALL YEARS |
| BI380L | OCEANOGRAPHY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI430 | SCIENTIFIC PHOTOGRAPHY | 3 | SPRING ONLY/ EVEN YEARS |
| BI430L | SCIENTIFIC PHOTOGRAPHY LABORATORY | 1 | |
| BI416 | CELLULAR & MOLECULAR BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI416L | CELLULAR & MOLECULAR BIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|----------------------------|
| BI302 | PLANT BIOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI425 | MOLECULAR MEDICINE | 3 | SPRING ONLY/ ODD YEARS |
| BI425L | MOLECULAR MEDICINE LABORATORY | 2 | SPRING ONLY/ ODD YEARS |
| BI432 | PHARMACOLOGY | 3 | FALL ONLY/ ODD YEARS |
| BI474 | MARINE BOTANY | 4 | SPRING ONLY/ ODD YEARS |
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI365 | PLANT SYSTEMATICS | 3 | SPRING ONLY/ EVEN YEARS |
| BI365L | PLANT SYSTEMATICS LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |
| BI303 | INVERTEBRATE ZOOLOGY | 3 | SPRING ONLY/ ODD YEARS |
| BI303L | INVERTEBRATE ZOOLOGY LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| BI345 | GENERAL ENTOMOLOGY | 3 | FALL ONLY/ ODD YEARS |
| BI345L | GENERAL ENTOMOLOGY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI410 | ECOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI410L | ECOLOGY LABORATORY | 2 | SPRING ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BI425 | MOLECULAR MEDICINE | 3 | SPRING ONLY/ ODD YEARS |
| BI425L | MOLECULAR MEDICINE LABORATORY | 2 | SPRING ONLY/ ODD YEARS |
| BI432 | PHARMACOLOGY | 3 | FALL ONLY/ ODD YEARS |
| BI474 | MARINE BOTANY | 4 | SPRING ONLY/ ODD YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| CH310B | ORGANIC CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH312 | LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | SPRING ONLY/ ALL YEARS |
| CH330 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ODD YEARS |
| CH330L | QUANTITATIVE ANALYSIS LABORATORY | 2 | FALL ONLY/ ODD YEARS |
| CH350 | FOUNDATIONS OF PHYSICAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH350L | FOUNDATIONS OF PHYSICAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH419 | BIOCHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH419L | BIOCHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Note: 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 (12 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |
| MA205 | MULTIVARIABLE CALCULUS | 4 | FALL/SPRING/ ALL YEARS |
| MA301 | DIFFERENTIAL EQUATIONS | 3 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |
| HS216 | INTRODUCTION TO PUBLIC HEALTH | 3 | FALL ONLY/ ALL YEARS |
| HS405 | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| AL281 | PRINCIPLES OF HORTICULTURAL SCIENCE | 3 | SPRING ONLY/ ALL YEARS |
| AL281L | PRINCIPLES OF HORTICULTURAL SCIENCE LAB | 1 | SPRING ONLY/ ALL YEARS |
| AL300 | FOOD PROCESSING TECHNOLOGY | 3 | FALL ONLY/ ODD YEARS |
| AL300L | FOOD PROCESSING TECHNOLOGY LAB | 1 | FALL ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| AL443 | TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE | 3 | SPRING ONLY/ ODD YEARS |
| AL443L | TECHONOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| AL445 | FOOD CHEMISTRY | 3 | SPRING ONLY/ EVEN YEARS |
| AL445L | FOOD CHEMISTRY LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |
| AL484 | TROPICAL VEGETABLE PRODUCTION | 3 | SPRING ONLY/ ODD YEARS |
| AL484L | TROPICAL VEGETABLE PRODUCTION LAB | 1 | SPRING ONLY/ ODD YEARS |
| AL485 | TROPICAL FRUITS HORTICULTURE | 3 | SPRING ONLY/ EVEN YEARS |
| AL485L | TROPICAL FRUITS HORTICULTURE LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |
| AL486 | ORNAMENTAL CROP PRODUCTION IN THE TROPICS | 3 | SPRING ONLY/ ODD YEARS |
| AL486L | ORNAMENTAL CROP PRODUCTION IN THE PACIFIC LABORATORY | 1 | SPRING ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| AL389 | EXTENSION PROGRAMS & PLANNING | 3 | SPRING ONLY/ ALL YEARS |
| AL401 | COMMUNITY PLANNING | 3 | AS REQUIRED |
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| BA200 | PRINCIPLES OF FINANCIAL ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA240 | MANAGEMENT OF ORGANIZATIONS | 3 | FALL/SPRING/ ALL YEARS |
| BA241 | HUMAN RESOURCE MANAGEMENT | 3 | FALL/SPRING/ ALL YEARS |
| CO226 | MEDIA WRITING | 3 | FALL/SPRING/ ALL YEARS |
| CO350 | PUBLIC SPEAKING | 3 | SPRING ONLY/ ALL YEARS |
| CO370 | ORGANIZATIONAL COMMUNICATION | 3 | SPRING ONLY/ ODD YEARS |
| LW360 | ADMINISTRATIVE PROCEDURE | 3 | FALL/SPRING/ ALL YEARS |
| PA201 | PUBLIC ADMINISTRATION IN GUAM AND IN THE WESTERN PACIFIC | 3 | FALL/SPRING/ ALL YEARS |
| PA210 | PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA215 | SUPERVISION IN | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| | GOVERNMENT ORGANIZATIONS | | |
| PA303 | GOVERNMENT FINANCE | 3 | FALL/SPRING/ ALL YEARS |
| PA304 | GOVERNMENT PUBLIC INFORMATION | 3 | FALL/SPRING/ ALL YEARS |
| ED110 | INTRODUCTION TO TEACHING | 3 | FALL/SPRING/ ALL YEARS |
| ED271 | TECHNOLOGY APPLICATIONS FOR EDUCATORS | 3 | FALL/SPRING/ ALL YEARS |

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 (4-5 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| BI410 | ECOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI410L | ECOLOGY LABORATORY | 2 | SPRING ONLY/ ALL YEARS |
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Cannot double count as Applied Biology Core Courses or STEM/Career Building Electives.

MINOR REQUIREMENTS

BIOLOGY MINOR REQUIREMENTS (33-35 CREDIT HOURS)

Required Courses (25-27 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI310 | EVOLUTION | 3 | SPRING ONLY/ ALL YEARS |
| BI315 | GENERAL GENETICS | 3 | FALL ONLY/ ALL YEARS |
| BI315L | GENERAL GENETICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| MA115 | INTRODUCTORY COLLEGE ALGEBRA | 3 | FALL/SPRING/ ALL YEARS |

Choice of (3-5 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

Elective Courses (8 credit hours)

Must meet respective prerequisites to enroll.

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI302 | PLANT BIOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI302L | PLANT BIOLOGY LABORATORY | 1 | FALL ONLY/ EVEN YEARS |
| BI303 | INVERTEBRATE ZOOLOGY | 3 | SPRING ONLY/ ODD YEARS |
| BI303L | INVERTEBRATE ZOOLOGY LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| BI320 | SCIENTIFIC REPORT WRITING | 2 | SPRING ONLY/ ALL YEARS |
| BI321 | SCIENTIFIC ARGUMENTS | 2 | SPRING ONLY/ ALL YEARS |
| BI323 | PLANT PATHOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| BI323L | PLANT PATHOLOGY LAB | 1 | FALL ONLY/ EVEN YEARS |
| BI333 | COMPARATIVE VERTEBRATE ANATOMY | 3 | FALL ONLY/ ODD YEARS |
| BI333L | COMPARATIVE VERTEBRATE ANATOMY LABORATORY | 1 | FALL ONLY/ ODD YEARS |
| BI345 | GENERAL ENTOMOLOGY | 3 | FALL ONLY/ ODD YEARS |
| BI345L | GENERAL ENTOMOLOGY LABORATORY | 1 | FALL ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| BI350 | ETHOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI350L | ETHOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI365 | PLANT SYSTEMATICS | 3 | SPRING ONLY/ EVEN YEARS |
| BI365L | PLANT SYSTEMATICS LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |
| BI380 | OCEANOGRAPHY | 3 | FALL ONLY/ ALL YEARS |
| BI380L | OCEANOGRAPHY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI392 | LABORATORY TEACHING AND ASSISTING | 1 - 3 | FALL/SPRING/ ALL YEARS |
| BI410 | ECOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI410L | ECOLOGY LABORATORY | 2 | SPRING ONLY/ ALL YEARS |
| BI412 | BIOMETRICS | 3 | FALL ONLY/ ALL YEARS |
| BI412L | BIOMETRICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI416 | CELLULAR & MOLECULAR BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI416L | CELLULAR & MOLECULAR BIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI419 | BIOCHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| BI419L | BIOCHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|----------------------------|
| BI425 | MOLECULAR MEDICINE | 3 | SPRING ONLY/ ODD YEARS |
| BI425L | MOLECULAR MEDICINE LABORATORY | 2 | SPRING ONLY/ ODD YEARS |
| BI430 | SCIENTIFIC PHOTOGRAPHY | 3 | SPRING ONLY/ EVEN YEARS |
| BI430L | SCIENTIFIC PHOTOGRAPHY LABORATORY | 1 | |
| BI432 | PHARMACOLOGY | 3 | FALL ONLY/ ODD YEARS |
| BI474 | MARINE BOTANY | 4 | SPRING ONLY/ ODD YEARS |
| BI475 | ADVANCE ANIMAL PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI475L | ADVANCED ANIMAL PHYSIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Or:

BI-390 Special Project

BI-398 Internship

BI-498 Internship

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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.

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. Students will learn to gather hazardous materials information and will recognize and respond properly to potential hazards of handling chemicals and chemical waste.
 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 scientific 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

CHEMISTRY TRACKS

The Chemistry Program offers four tracks under two degrees:

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.

Bachelor of Arts in Chemistry with Teaching Emphasis

- **Chemistry Teaching:** This track is tailored for those who are going to teach at high school level.

CHEMISTRY 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.

DEGREE REQUIREMENTS

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 (68-69 CREDIT HOURS)

Required Courses (63-64 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH310B | ORGANIC CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| CH312 | LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | SPRING ONLY/ ALL YEARS |
| CH330 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ODD YEARS |
| CH330L | QUANTITATIVE ANALYSIS LABORATORY | 2 | FALL ONLY/ ODD YEARS |
| CH410 | INSTRUMENT METHODS OF ANALYSIS | 3 | SPRING ONLY/ EVEN YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|----------------------------|
| CH410L | INSTRUMENT MTHDS OF ANALYS LAB | 2 | SPRING ONLY/ EVEN YEARS |
| CH450A | PHYSICAL CHEMISTRY | 4 | FALL ONLY/ EVEN YEARS |
| CH450B | PHYSICAL CHEMISTRY | 4 | SPRING ONLY/ ODD YEARS |
| CH451 | PHYSICAL CHEMISTRY I LABORATORY | 2 | SPRING ONLY/ ODD YEARS |
| CH491 | CHEMISTRY SEMINAR | 1 - 2 | FALL/SPRING/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |
| MA205 | MULTIVARIABLE CALCULUS | 4 | FALL/SPRING/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |

Elective Courses (5 credit hours)

Any upper division **Chemistry (CH)** courses or program-approved courses.

CHEMISTRY PRE-PHARMACY TRACK (86-88 CREDIT HOURS)

Required Courses (82-84 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH310B | ORGANIC CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| CH312 | LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | SPRING ONLY/ ALL YEARS |
| CH330 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ODD YEARS |
| CH330L | QUANTITATIVE ANALYSIS LABORATORY | 2 | FALL ONLY/ ODD YEARS |
| CH350 | FOUNDATIONS OF PHYSICAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH350L | FOUNDATIONS OF PHYSICAL | 1 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| | CHEMISTRY LABORATORY | | |
| CH419 | BIOCHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH419L | BIOCHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH491 | CHEMISTRY SEMINAR | 1 - 2 | FALL/SPRING/ ALL YEARS |
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BI315 | GENERAL GENETICS | 3 | FALL ONLY/ ALL YEARS |
| BI315L | GENERAL GENETICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI416 | CELLULAR & MOLECULAR BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI416L | CELLULAR & MOLECULAR BIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |
| NU207B | PHARMACOLOGY IN NURSING | 2 | SPRING ONLY/ ALL YEARS |

Choice of (5-6 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

Elective Courses (4 credit hours)

Any upper division [Chemistry \(CH\)](#) or [Biology \(BI\)](#) courses.

General Education (Recommended Courses)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| CT101 | CRITICAL THINKING | 3 | FALL/SPRING/ ALL YEARS |
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

CHEMISTRY TEACHING TRACK (78-82 CREDIT HOURS)

Required Courses (69-73 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH310B | ORGANIC CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| CH312 | LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | SPRING ONLY/ ALL YEARS |
| CH330 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ODD YEARS |
| CH330L | QUANTITATIVE ANALYSIS LABORATORY | 2 | FALL ONLY/ ODD YEARS |
| CH350 | FOUNDATIONS OF PHYSICAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH350L | FOUNDATIONS OF PHYSICAL | 1 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| | CHEMISTRY LABORATORY | | |
| CH392 | LABORATORY TEACHING AND ASSISTING | 1 - 3 | FALL/SPRING/ ALL YEARS |
| CH491 | CHEMISTRY SEMINAR | 1 - 2 | FALL/SPRING/ ALL YEARS |
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |
| NS110 | INTRODUCTION TO THE EARTH | 3 | AS REQUIRED |

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|--------------|
| NS110L | INTRODUCTION TO THE EARTH LABORATORY | 1 | AS REQUIRED |

Choice of (5-6 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

Choice of (4 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| NS112 | HISTORY OF THE EARTH | 3 | AS REQUIRED |
| NS112L | HISTORY OF THE EARTH LABORATORY | 1 | AS REQUIRED |
| GE203 | PRINCIPLES OF PHYSICAL GEOGRAPHY | 4 | SPRING ONLY/ ALL YEARS |

Elective Courses (9 credit hours)

Five credit hours of any upper division [Chemistry \(CH\)](#) courses and any four credit hours of upper division science ([Agriculture & Life Sciences](#), [Biology](#), [Mathematics](#), [Physics](#)) courses.

CHEMISTRY/BIOLOGY DUAL DEGREE TRACK (93-94 CREDIT HOURS)

Required Courses (84-85 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH310B | ORGANIC CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| CH312 | LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | SPRING ONLY/ ALL YEARS |
| CH330 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ODD YEARS |
| CH330L | QUANTITATIVE ANALYSIS LABORATORY | 2 | FALL ONLY/ ODD YEARS |
| CH350 | FOUNDATIONS OF PHYSICAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| CH350L | FOUNDATIONS OF PHYSICAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH410 | INSTRUMENT METHODS OF ANALYSIS | 3 | SPRING ONLY/ EVEN YEARS |
| CH410L | INSTRUMENT MTHDS OF ANALYS LAB | 2 | SPRING ONLY/ EVEN YEARS |
| CH419 | BIOCHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH419L | BIOCHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH491 | CHEMISTRY SEMINAR | 1 - 2 | FALL/SPRING/ ALL YEARS |
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI310 | EVOLUTION | 3 | SPRING ONLY/ ALL YEARS |
| BI315 | GENERAL GENETICS | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI315L | GENERAL GENETICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI410 | ECOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI410L | ECOLOGY LABORATORY | 2 | SPRING ONLY/ ALL YEARS |
| BI412 | BIOMETRICS | 3 | FALL ONLY/ ALL YEARS |
| BI412L | BIOMETRICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI416 | CELLULAR & MOLECULAR BIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| BI416L | CELLULAR & MOLECULAR BIOLOGY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |

Elective Courses (9 credit hours)

Five credit hours of upper division **Chemistry (CH)** courses and any four credit hours of upper division **Biology (BI)** courses.

MINOR REQUIREMENTS

CHEMISTRY MINOR (33-35 CREDIT HOURS)

Required Courses (29-31 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| CH310A | ORGANIC CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH310B | ORGANIC CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH311 | BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | FALL ONLY/ ALL YEARS |
| CH312 | LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY | 2 | SPRING ONLY/ ALL YEARS |
| CH330 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ODD YEARS |
| CH330L | QUANTITATIVE ANALYSIS LABORATORY | 2 | FALL ONLY/ ODD YEARS |
| CH491 | CHEMISTRY SEMINAR | 1 - 2 | FALL/SPRING/ ALL YEARS |

Choice of (5-6 credit hours):

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

Elective Courses (4 credit hours)

Any upper division [Chemistry \(CH\)](#) course(s).

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COMPUTER SCIENCE PROGRAM

PROSPECTUS

The Bachelor of Science in Computer Science provides students with the educational background necessary to pursue professional careers in the wide variety of positions in which computer science is required or to continue their education toward advanced degrees in computer science or related area.

Students may obtain a Bachelor of Science in Computer Science through one of the following paths:

- 1) Complete the two-year Associate of Science in Computer Science - UOG Track degree at Guam Community College followed by two years in the Computer Science program at UOG or
- 2) Complete the full four-year Computer Science program at UOG, starting as a pre-Computer Science major until all general education and prerequisite courses are completed.

Note: Computer Science majors under previous Catalog years 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 (671) 735-0317 or Interim Associate Dean Kate Moots at (671) 735-2006.

PROGRAM EDUCATIONAL OBJECTIVES

Within a few years of graduation, graduates of the Computer Science program are expected to:

1. Successfully apply their problem-solving skills to advance software development in a variety of domains.
2. Successfully apply technical knowledge to innovate and bring forth transformational change for metropolitan, regional, and global well-being.
3. Demonstrate responsible leadership in the development of software/computing technologies to solve real-world problems in diverse communities.
4. Demonstrate lifelong learning and professional growth via advanced study, career advancement, or social contributions.

LEARNING OUTCOMES

The Computer Science program enables students to achieve the following outcomes by the time of graduation:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

All students intending to declare Computer Science as their major must have a cumulative GPA of at least 2.5 prior to entering the program. In addition, all students intending to declare a Computer Science major will be required to take CS280 Programming Lab Practicum in the summer prior to starting Year 3. This admission requirement may be waived if a student passes the Exam in Programming Proficiency. Once admitted into the program, new students should see the Division of Mathematics & 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.

The required courses, electives, and suggested General Education courses are detailed below.

PATHWAY: ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE UOG TRACK FROM GCC (15-16 CREDIT HOURS)

Students who complete their Associate of Science in Computer Science - UOG Track at Guam Community College as their first two years of the Computer Science program will have met their General Education requirements for graduation from UOG as well as their basic programming and computer networking coursework.

Students should also try to complete MA161A/B College Algebra & Trigonometry OR MA165 Precalculus while at GCC. Otherwise, it is recommended to take these courses during the summer prior to entering UOG for Year 3 of the program as the prerequisite for MA203 Calculus I.

Required Courses (11-12 credit hours)

| If not completed at GCC

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |
| BA230 | DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION | 3 | FALL ONLY/ ODD YEARS |

Required Admission Courses (0-3 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

Proposed UOG Curriculum Guide for GCC Transfers (64 credit hours)

The recommended sequencing of course for students transferring from GCC is outlined below:

BRIDGE PROGRAM (Summer)

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |

OR

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

Take CS-280 if you failed in Examination in Programming Proficiency

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

JUNIOR YEAR (First Year at UOG)

Fañuchånan (Aug.-Dec.) (16 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| MA387 | STATISTICS FOR SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| MA387L | STATISTICS FOR SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Fañomnåkan (Jan.-May) (17 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |

and CS-XXX Elective 1

SENIOR YEAR (Second Year at UOG)

Fañuchånan (Aug.-Dec.) (17 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|-------------------------|
| CS383 | ORGANIZATION OF PROGRAMMING LANGUAGES | 3 | FALL ONLY/ ALL YEARS |
| CS385 | INTRODUCTION TO OPERATING SYSTEM | 3 | |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |

and CS-XXX Elective 2

Fañomnåkan (Jan.-May) (14 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|---------------------------------|---|---------------------------|
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

and CS-XXX Elective 3

PATHWAY: PRE-COMPUTER SCIENCE AT UOG (63-64 CREDIT HOURS)

Students who wish to begin the Computer Science program at UOG as Pre-Computer Science majors will need to pass the following courses, in addition to the following General Education requirements: MA161A/B College Algebra & Trigonometry or MA165 Precalculus; CS201 Programming I; CS202 Programming II; CS271 Discrete Structures; BA230 Data Processing & Data Administration with Mac Application.

Required Courses (19-20 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CS201 | PROGRAMMING I | 4 | FALL/SPRING/ ALL YEARS |
| CS202 | PROGRAMMING II | 4 | FALL/SPRING/ ALL YEARS |
| BA230 | DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION | 3 | FALL ONLY/ ODD YEARS |

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |

OR

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

General Education Courses (41 credit hours)

See CNAS Academic Adviser Ms. Katrina Quinata (quinatak@triton.uog.edu).

Required Admission Courses (0-3 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

COMPUTER SCIENCE (63 CREDIT HOURS)

Note: These course are required for both Pathways.

Required Courses (52 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |
| MA387 | STATISTICS FOR SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| MA387L | STATISTICS FOR SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |
| | | | |
| | | | |
| | | | |
| CS383 | ORGANIZATION OF PROGRAMMING LANGUAGES | 3 | FALL ONLY/ ALL YEARS |
| CS385 | INTRODUCTION TO OPERATING SYSTEM | 3 | |
| | | | |
| | | | |
| | | | |

Elective Courses (8 credit hours)

Choose electives from the following:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CS420 | COMPUTER & NETWORK SECURITY COMPUTER AND NETWORK SECURITY | 3 | FALL ONLY/ ALL YEARS |
| CS431 | ADVANCED TOPICS IN COMPUTING | 3 | FALL ONLY/ ALL YEARS |
| CS498 | COMPUTER SCIENCE INTERNSHIP | 4 | SPRING ONLY/ ALL YEARS |
| MA341 | LINEAR ALGEBRA | 3 | FALL/SPRING/ ALL YEARS |
| MA375 | NUMERICAL METHODS AND SOFTWARE | 3 | SPRING ONLY/ ODD YEARS |
| BA330 | INFORMATION TECHNOLOGY AND NETWORKS FOR BUSINESS | 3 | FALL/SPRING/ ALL YEARS |
| BA335 | CYBERSECURITY AND CLOUD SERVICE | 3 | FALL/SPRING/ ALL YEARS |

Required Admission Courses (0-3 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

MINOR REQUIREMENTS (41 CREDIT HOURS)

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 graduate school-bound students and students headed for an information technology intensive workplace.

Required Courses (32 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| CS200 | COMPUTER APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| CS201 | PROGRAMMING I | 4 | FALL/SPRING/ ALL YEARS |
| CS202 | PROGRAMMING II | 4 | FALL/SPRING/ ALL YEARS |
| CS303 | DATA STRUCTURES AND ALGORITHM ANALYSIS | 3 | FALL/SPRING/ ALL YEARS |
| CS315 | INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS | 3 | SPRING ONLY/ ALL YEARS |
| CS360 | INTRODUCTION TO OPERATING SYSTEMS | 3 | FALL ONLY/ ALL YEARS |
| CS403 | DATE COMMUNICATION & COMPUTER NETWORKS | 4 | SPRING ONLY/ ALL YEARS |
| CS492 | PRACTICUM IN COMPUTER SCIENCE | 3 | FALL/SPRING/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |

Elective Courses (9 credit hours)

Select nine credit hours from the following courses:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| CS305 | ASSEMBLY LANGUAGE AND COMPUTER ORGANIZATION | 3 | FALL ONLY/ ALL YEARS |
| CS365 | COMPUTER ARCHITECTURE | 3 | SPRING ONLY/ ALL YEARS |
| CS380 | ORG OF PROGRAMMING LANGUAGES | 3 | FALL ONLY/ ALL YEARS |
| CS431 | ADVANCED TOPICS IN COMPUTING | 3 | FALL ONLY/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |
| MA341 | LINEAR ALGEBRA | 3 | FALL/SPRING/ ALL YEARS |
| MA351 | DISCRETE STRUCTURES | 3 | SPRING ONLY/ ALL YEARS |
| MA385 | APPLIED STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| MA411 | INTRODUCTION TO ABSTRACT ALGEBRA I | 3 | FALL ONLY/ ALL YEARS |
| MA451 | INTRODUCTION TO PROBABILITY THEORY | 3 | FALL ONLY/ EVEN YEARS |
| MA460 | NUMERICAL LINEAR ALGEBRA | 3 | AS REQUIRED |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |

Note: MA-151 fulfills the General Education requirements.

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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 [Secondary Education](#) program. A student must declare a double major in Mathematics and Secondary Education for a secondary teaching degree.

PROGRAM LEARNING OUTCOMES

Students completing the Mathematics Program at UOG will:

1. Demonstrate critical thinking, problem solving skills and ability to use mathematical methods by identifying, evaluating, classifying, analyzing, 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.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS (59 CREDIT HOURS)

Mathematics majors must complete studies with a cumulative GPA of 2.3 in the courses specified as required courses for the major.

Required Courses (47 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |
| MA205 | MULTIVARIABLE CALCULUS | 4 | FALL/SPRING/ ALL YEARS |
| MA302 | FOUNDATIONS OF HIGHER MATHEMATICS | 3 | SPRING ONLY/ ALL YEARS |
| MA341 | LINEAR ALGEBRA | 3 | FALL/SPRING/ ALL YEARS |
| MA411 | INTRODUCTION TO ABSTRACT ALGEBRA I | 3 | FALL ONLY/ ALL YEARS |
| MA412 | INTRODUCTION TO ALGEBRA II | 3 | SPRING ONLY/ ALL YEARS |
| MA421 | INTRODUCTION TO ANALYSIS I | 3 | FALL ONLY/ ALL YEARS |
| MA422 | INTRODUCTION TO ANALYSIS II | 3 | SPRING ONLY/ ALL YEARS |
| MA301 | DIFFERENTIAL EQUATIONS | 3 | SPRING ONLY/ ALL YEARS |

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|----------------|---------|---------------------------|
| CS201 | PROGRAMMING I | 4 | FALL/SPRING/ ALL YEARS |
| CS202 | PROGRAMMING II | 4 | FALL/SPRING/ ALL YEARS |

Electives (12 credit hours)

A minimum of 12 credit hours of upper division **Mathematics (MA)** courses in addition to those already required.

MINOR REQUIREMENTS (29 CREDIT HOURS)

Required Courses (17 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |
| MA205 | MULTIVARIABLE CALCULUS | 4 | FALL/SPRING/ ALL YEARS |
| MA302 | FOUNDATIONS OF HIGHER MATHEMATICS | 3 | SPRING ONLY/ ALL YEARS |

Elective Courses (12 credit hours)

A minimum of 6 credit hours of upper division **Mathematics (MA)** courses in addition to:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| MA302 | FOUNDATIONS OF HIGHER MATHEMATICS | 3 | SPRING ONLY/ ALL YEARS |

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MILITARY SCIENCE PROGRAM

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.

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>.

TRACKS

MILITARY SCIENCE MINOR

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.

DEGREE REQUIREMENTS

MILITARY SCIENCE MINOR REQUIREMENTS (29 CREDIT HOURS)

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 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.

FOUR-YEAR PROGRAM (FOR FRESHMEN)

Required Courses (26 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| MSL101 | INTRODUCTION TO THE ARMY AND CRITICAL THINKING | 2 | FALL ONLY/ ALL YEARS |
| MSL102 | FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP | 2 | SPRING ONLY/ ALL YEARS |
| MSL201 | LEADERSHIP AND DECISION MAKING | 2 | FALL ONLY/ ALL YEARS |
| MSL202 | ARMY DOCTRINE AND TEAM DEVELOPMENT | 2 | SPRING ONLY/ ALL YEARS |
| MSL301 | TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS | 3 | FALL ONLY/ ALL YEARS |
| MSL302 | APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS | 3 | SPRING ONLY/ ALL YEARS |
| MSL392 | CADET LEADERSHIP COURSE | 6 | SUMMER/ ALL YEARS |
| MSL401 | THE ARMY OFFICER | 3 | FALL ONLY/ ALL YEARS |
| MSL402 | COMPANY GRADE LEADERSHIP | 3 | SPRING ONLY/ ALL YEARS |

Elective Courses (3 credit hours)

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| HI306 | MODERN AMERICAN MILITARY HISTORY | 3 | SPRING ONLY/ ALL YEARS |

OR Any 300- or 400-level History course approved by the Professor of Military Science prior to taking the alternative course.

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 Fānomñakan (Jan.–May) semester, or graduate students who have been accepted into a two-year graduate program beginning in the Fānuchanan (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 Fānuchanan (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.

Required Courses (21 credit hours)

All students in the two-year program will complete the following:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| MSL301 | TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS | 3 | FALL ONLY/ ALL YEARS |
| MSL302 | APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS | 3 | SPRING ONLY/ ALL YEARS |
| MSL392 | CADET LEADERSHIP COURSE | 6 | SUMMER/ ALL YEARS |
| MSL401 | THE ARMY OFFICER | 3 | FALL ONLY/ ALL YEARS |
| MSL402 | COMPANY GRADE LEADERSHIP | 3 | SPRING ONLY/ ALL YEARS |

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| HI306 | MODERN AMERICAN MILITARY HISTORY | 3 | SPRING ONLY/ ALL YEARS |

OR Any 300- or 400-level History course approved by the Professor of Military Science prior to taking the alternative course.

Elective Courses (8 credit hours)

To complete their minor requirements, these students will also earn an additional eight credit hours in MSL electives.



FACULTY

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PRE-PROFESSIONAL PROGRAMS

OVERVIEW

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.

PROGRAMS

PRE-OPTOMETRY

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.

PRE-PHARMACY

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.



PRE-VETERINARY

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 pre-professional 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.

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SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

ACCOUNTING PROGRAM

OVERVIEW

ACCREDITATION

The Bachelor of Business Administration in Accounting degree program is accredited by the International Accreditation Council for Business Education (IACBE) until 2026.

PROSPECTUS

The Bachelor of Business Administration in Accounting (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.
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:

- Pass the Accounting Major Competency Exam as part of the prerequisites for BA-300.
- Maintain a cumulative GPA of 3.0 or higher in the Accounting major requirements and an overall GPA of 3.0 or higher.

Student Advisement

DEGREE REQUIREMENTS

PROGRAM REQUIREMENTS (124 CREDIT HOURS)

| Description | Credit Hours |
|---------------------------|--------------|
| General Education | 47 |
| BBAA Foundations | 47* |
| BBAA Major Requirements | 30 |
| Total Credit Hours | 124 |

*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. BBAA advisement sheet can be found [here](#).

GENERAL EDUCATION (47 CREDIT HOURS)

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. (See General Education [Student Advisement Sheet](#).)

Tier I: Core Foundation

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| CT101 | CRITICAL THINKING | 3 | FALL/SPRING/ ALL YEARS |
| MA110 | BASIC MATHEMATICAL APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Diversity Foundation

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA233 | IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS | 3 | FALL/SPRING/ ALL YEARS |

| Recommended | Course | Credits |
|----------------|--------|---------|
| Science & Math | Any | 4 |

| Recommended | Course | Credits |
|----------------------------|--------|---------|
| Creative & Expressive Arts | Any | 3 |
| Cultural Perspectives | Any | 3 |

Choice of One

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Uniquely UOG

| Recommended | Course | Credits |
|-------------|--------|---------|
| Language | Any | 4 |
| Regional | Any | 3 |

Tier II: Direction Building

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| BA180 | BUSINESS ESSENTIALS | 3 | FALL/SPRING/ ALL YEARS |
| PA205 | DATA AND STATISTICS FOR BUSINESS AND GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| BA480 | BUSINESS STRATEGY AND POLICY | 3 | FALL/SPRING/ ALL YEARS |

FOUNDATIONS COURSES (47 CREDIT HOURS)

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 | Term Offered |
|--------|--|---------|----------------------------|
| BA200 | PRINCIPLES OF FINANCIAL ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA201 | PRINCIPLES OF MANAGERIAL ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA220 | BASIC BUSINESS FINANCE | 3 | FALL/SPRING/ ALL YEARS |
| BA230 | DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION | 3 | FALL ONLY/ ODD YEARS |
| BA240 | MANAGEMENT OF ORGANIZATIONS | 3 | FALL/SPRING/ ALL YEARS |
| BA260 | FUNDAMENTALS OF MARKETING | 3 | FALL/SPRING/ ALL YEARS |
| BA409 | SPECIAL STUDIES IN ACCOUNTING | 3 | AS REQUIRED |
| BA310 | APPLIED STATISTICS FOR BUSINESS DECISION | 3 | FALL/SPRING/ ALL YEARS |
| BA334 | BUSINESS ANALYTICS | 3 | SPRING ONLY/ EVEN YEARS |
| BA347 | LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY | 3 | FALL/SPRING/ ALL YEARS |
| PA347 | LEADERSHIP AND COLLABORATION | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| | IN ORGANIZATIONS AND SOCIETY | | |
| BA410 | MANAGERIAL ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| BA440 | ORGANIZATIONAL BEHAVIOR | 3 | FALL/SPRING/ ALL YEARS |
| LW442 | LAW AND ETHICS IN BUSINESS AND GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |
| LW443 | BUSINESS LAW II | 3 | FALL/SPRING/ ALL YEARS |
| BA483 | BUSINESS PROFESSIONAL AND CAREER DEVELOPMENT | 2 | FALL/SPRING/ ALL YEARS |
| BA480 | BUSINESS STRATEGY AND POLICY | 3 | FALL/SPRING/ ALL YEARS |

MAJOR COURSES (30 CREDIT HOURS)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|---------------------------|
| BA300 | INTERMEDIATE ACCOUNTING I | 3 | FALL/SPRING/ ALL YEARS |
| BA301 | INTERMEDIATE ACCOUNTING II | 3 | FALL/SPRING/ ALL YEARS |
| BA304 | INCOME TAXATION | 3 | FALL/SPRING/ ALL YEARS |
| BA305 | COST AND MANAGERIAL ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA400 | ADVANCED ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA401 | GOVERNMENT ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA402 | ACCOUNTING SYSTEMS | 3 | FALL/SPRING/ ALL YEARS |
| BA403 | AUDITING I | 3 | FALL/SPRING/ ALL YEARS |
| BA405 | ACCOUNTING INTERNSHIP | 3 | FALL/SPRING/ ALL YEARS |
| BA406 | ETHICS FOR THE ACCOUNTANT | 3 | FALL/SPRING/ ALL YEARS |

FACULTY

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BUSINESS ADMINISTRATION PROGRAM

OVERVIEW

ACCREDITATION

The Bachelor of Business Administration degree program is accredited by the International Accreditation Council for Business Education (IACBE) until 2026.

PROSPECTUS

Current Trends in Business Education

The Bachelor of Business Administration (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.

Student Advisement

PATHWAYS

BBA 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.

DEGREE REQUIREMENTS

PROGRAM REQUIREMENTS (124 CREDIT HOURS)

| Description | Credit Hours |
|-------------------------------|--------------|
| General Education | 47 |
| BBA Foundation | 50 |
| BBA Pathway | 24 |
| Upper Division Free Electives | 3 |
| Total Credit Hours | 124 |

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 (47 CREDIT HOURS)

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. (See General Education [Student Advisement Sheet](#).)

RECOMMENDED COURSES

Tier I: Core Foundation

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| CT101 | CRITICAL THINKING | 3 | FALL/SPRING/ ALL YEARS |
| MA110 | BASIC MATHEMATICAL APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Diversity Foundation

SCIENCE & MATH

| Course | Course Title | Credits |
|----------------|--------------|---------|
| Science & Math | Any | 4 |

HUMAN SCIENCES

Select one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |

CREATIVE & EXPRESSIVE ARTS

| Course | Course Title | Credits |
|----------------------------|--------------|---------|
| Creative & Expressive Arts | Any | 3 |

HUMAN SYSTEMS & ORGANIZATIONS

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA233 | IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS | 3 | FALL/SPRING/ ALL YEARS |

CULTURAL PERSPECTIVES

| Course | Course Title | Credits |
|-----------------------|--------------|---------|
| Cultural Perspectives | Any | 3 |

Tier II: Uniquely UOG

| Course | Course Title | Credits |
|----------|--------------|---------|
| Language | Any | 4 |
| Regional | Any | 3 |

Tier II: Direction Building

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| BA180 | BUSINESS ESSENTIALS | 3 | FALL/SPRING/ ALL YEARS |
| PA205 | DATA AND STATISTICS FOR BUSINESS AND GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| BA480 | BUSINESS STRATEGY AND POLICY | 3 | FALL/SPRING/ ALL YEARS |

BBA FOUNDATION COURSES (50 CREDIT HOURS)

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 | Term Offered |
|--------|--|---------|---------------------------|
| BA131 | INTRODUCTION TO INFORMATION MANAGEMENT | 3 | FALL/SPRING/ ALL YEARS |
| BA230 | DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION | 3 | FALL ONLY/ ODD YEARS |
| BA200 | PRINCIPLES OF FINANCIAL ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA201 | PRINCIPLES OF MANAGERIAL ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA220 | BASIC BUSINESS FINANCE | 3 | FALL/SPRING/ ALL YEARS |
| BA240 | MANAGEMENT OF ORGANIZATIONS | 3 | FALL/SPRING/ ALL YEARS |
| BA241 | HUMAN RESOURCE MANAGEMENT | 3 | FALL/SPRING/ ALL YEARS |
| BA260 | FUNDAMENTALS OF MARKETING | 3 | FALL/SPRING/ ALL YEARS |
| BA310 | APPLIED STATISTICS FOR BUSINESS DECISION | 3 | FALL/SPRING/ ALL YEARS |
| BA335 | CYBERSECURITY AND CLOUD SERVICE | 3 | FALL/SPRING/ ALL YEARS |
| BA347 | LEADERSHIP AND COLLABORATION IN | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| | ORGANIZATIONS AND SOCIETY | | |
| BA386 | LOGISTICS AND SUPPLY CHAIN MANAGEMENT | 3 | FALL/SPRING/ ALL YEARS |
| BA440 | ORGANIZATIONAL BEHAVIOR | 3 | FALL/SPRING/ ALL YEARS |
| LW442 | LAW AND ETHICS IN BUSINESS AND GOVERNMENT | 3 | FALL/SPRING/ ALL YEARS |
| BA483 | BUSINESS PROFESSIONAL AND CAREER DEVELOPMENT | 2 | FALL/SPRING/ ALL YEARS |
| BA480 | BUSINESS STRATEGY AND POLICY | 3 | FALL/SPRING/ ALL YEARS |

Choice of (3 credits):

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|----------------------------|
| BA333 | MANAGEMENT INFORMATION SYSTEMS | 3 | FALL/SPRING/ ALL YEARS |
| BA334 | BUSINESS ANALYTICS | 3 | SPRING ONLY/ EVEN YEARS |
| BA380 | E-BUSINESS | 3 | SPRING ONLY/ ALL YEARS |

Choice of (3 credits):

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| BA252 | INTERNATIONAL TOURISM | 3 | FALL/SPRING/ ALL YEARS |
| BA341 | INTERNATIONAL BUSINESS ENVIRONMENT | 3 | SPRING ONLY/ ALL YEARS |
| BA420 | INTERNATIONAL CORPORATE FINANCE | 3 | SPRING ONLY/ ALL YEARS |
| BA460 | INTERNATIONAL MARKETING | 3 | FALL ONLY/ ALL YEARS |

BBA PATHWAYS COURSES (24 CREDIT HOURS)

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:

1. 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.
2. BBA pathways are not concentrations.

GENERAL BUSINESS PATHWAY REQUIREMENTS

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 | Credit Hours |
|--------|--------------|
|--------|--------------|

Five upper division, business-interdisciplinary BA courses (see above) 15

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BA410 | MANAGERIAL ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| BA441 | OPERATIONS AND PROJECT MANAGEMENT | 3 | SPRING ONLY/ ALL YEARS |
| BA482A | BUSINESS SERVICE LEARNING: SENIOR TEAM FIELD PROJECT | 3 | FALL/SPRING/ ALL YEARS |

BUSINESS PROFESSIONAL PATHWAY REQUIREMENTS

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 | Credit Hours |
|--------|--------------|
|--------|--------------|

Six courses from economics/finance, management, or marketing 18

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA431 | TOPICS IN THE MANAGEMENT OF TECHNOLOGY AND INNOVATION | 3 | SPRING ONLY/ ALL YEARS |
| BA482A | BUSINESS SERVICE LEARNING: SENIOR TEAM FIELD PROJECT | 3 | FALL/SPRING/ ALL YEARS |

BUSINESS HONORS PATHWAY

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 | Credit Hours |
|--------|--------------|
|--------|--------------|

Five courses from economics/
finance, management, or
marketing

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BA431 | TOPICS IN THE MANAGEMENT OF TECHNOLOGY AND INNOVATION | 3 | SPRING ONLY/ ALL YEARS |

Two Business Service Learning courses*:

*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

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA482B | BUSINESS SERVICE LEARNING: BUSINESS/ RESEARCH INTERNSHIP | 3 | FALL/SPRING/ ALL YEARS |
| BA482C | BUSINESS SERVICE LEARNING: BUSINESS FORMATION/ INNOVATION/ TRANSFORMATION | 3 | FALL/SPRING/ ALL YEARS |

UPPER DIVISION FREE ELECTIVE (3 CREDIT HOURS)

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.

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CRIMINAL JUSTICE PROGRAM

OVERVIEW

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.

Career Possibilities: 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.

Why UOG?: 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 be able to demonstrate:

- A general understanding of the various roles of criminal justice professions in the public and private sectors
- Leadership and teamwork skills
- Critical thinking and analytical skills in solving real world problems in criminal justice
- A sufficient real-world understanding of law and public policy processes
- Proficiency in information technology and communication skills, etc.
- An understanding of local, regional, and global environments and their relevance to criminal justice
- An understanding of ethical, professional, and socially responsible behavior

DEGREE REQUIREMENTS

PROGRAM REQUIREMENTS

| Description | Credit Hours |
|--------------------------------|--------------|
| General Education | 47 |
| Criminal Justice Major Courses | 47 |
| Criminal Justice Electives | 30 |
| Total Credits | 124 |

Important Note: 40 upper division credits are required for the baccalaureate degree.

CRIMINAL JUSTICE MAJOR REQUIREMENTS (124 CREDIT HOURS)

General Education (Recommended Courses)

The Criminal Justice 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. (See General Education [Student Advisement Sheet](#).)

Tier I: Core Foundation

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| CT101 | CRITICAL THINKING | 3 | FALL/SPRING/ ALL YEARS |
| MA110 | BASIC MATHEMATICAL APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Uniquely UOG

| Course | Credits |
|----------|---------|
| Language | Any |
| Regional | Any |

Tier II: Diversity Foundation

| Course | Credits |
|-----------------------|---------|
| Science & Math | Any |
| Cultural Perspectives | Any |

Human Sciences

Choice of:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Human Systems & Organizations

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA233 | IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Direction Building

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| LW101 | INTRODUCTION TO CRIMINAL JUSTICE | 3 | FALL/SPRING/ ALL YEARS |
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| LW480 | CRIMINAL JUSTICE CAPSTONE | 3 | FALL/SPRING/ ALL YEARS |

Required Courses (47 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA130 | INTRODUCTION TO COMPUTERS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| LW106 | PERSONAL LAW | 3 | FALL/SPRING/ ALL YEARS |
| LW202 | TRIAL AND EVIDENCE | 3 | FALL/SPRING/ ALL YEARS |
| LW306 | CRIMINAL LAW | 3 | FALL/SPRING/ ALL YEARS |
| LW311 | CORRECTIONAL SECURITY MANAGEMENT AND ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| LW402 | CONSTITUTIONAL LAW | 3 | FALL/SPRING/ ALL YEARS |
| LW404 | ADMINISTRATION AND MANAGEMENT OF CRIMINAL JUSTICE ORGANIZATIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA210 | PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA233 | IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS | 3 | FALL/SPRING/ ALL YEARS |
| PA303 | GOVERNMENT FINANCE | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA304 | GOVERNMENT PUBLIC INFORMATION | 3 | FALL/SPRING/ ALL YEARS |
| PA305 | DATA ANALYSIS IN PUBLIC ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| PA403 | PUBLIC PERSONNEL ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| PA405 | LEADERSHIP ETHICS IN THE PROFESSIONS | 3 | FALL/SPRING/ ALL YEARS |
| LW480 | CRIMINAL JUSTICE CAPSTONE | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses (30 credit hours)

Required electives must be approved by the Criminal Justice advisor.

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CYBERSECURITY MANAGEMENT PROGRAM

OVERVIEW

PROSPECTUS

The Cybersecurity Management Minor and Professional Certificate Program in Cybersecurity Management are part of an interdisciplinary management approach to cybersecurity in public and private organizations. The primary objectives of this program are to provide students and professionals with the skills and confidence needed to identify problem areas related to cybersecurity and information technology management in an organization and identify solutions. The program is intended to enhance student and participant learning and career opportunities in information security management that can be applied to various organizational settings.

Subject Matter

The focus of the course material is on cybersecurity management challenges in an organizational setting. Students will learn about the critical need for protection of data and information, and what to do in the event that protected information is breached. The program is designed to capitalize on the intellectual strengths of students majoring in difference disciplines that are consistent with the broad suite of professional management needs found in varied institutional settings. Students with background or academic areas of interest in: criminal justice, information technology, business, public administration, law, education, healthcare, the behavioral sciences and many other fields may link their area of interest to this program. The program will cover subject matter in information risk management, computer crime, homeland security, law, defense, terrorism studies, policy development and other topics as they relate to information management and security threats.

Intellectual Skills and Learning Methods

The course of study will provide students with the techniques and tools to deal with cybersecurity management, planning and threats. The methodology of the coursework will provide students and participants with skills to

1. develop an understanding of the importance of cybersecurity management in organizations;
2. identify short and long term cybersecurity threats and problems and their associated consequences for organizations if not properly addressed by management;
3. learn how to gather and analyze relevant information for informed management decision-making and responses to cybersecurity threats; and
4. learn how to think strategically about new ways to approach and solve cybersecurity management challenges in organizations.

Affective and Creative Capabilities

In this program, students will examine cybersecurity and information technology oversight; management techniques and key components in developing cybersecurity plans (see above) and search for strategic ways to protect organizations from cybercrimes and intrusions.

LEARNING OUTCOMES

Student Learning Outcome assessments will be conducted by performing pre-and-post tests in every class and by developing student learning performance profiles for each class. Hands-on simulation exercise and writing assignments will be used to measure proficiency.

DEGREE REQUIREMENTS

CYBERSECURITY MANAGEMENT MINOR AND CYBERSECURITY PROFESSIONAL CERTIFICATE

PROGRAM REQUIREMENTS (15 CREDIT HOURS)

Required Courses (15 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| CSM100 | INTRODUCTION TO CYBERSECURITY MANAGEMENT | 3 | FALL/SPRING/ ALL YEARS |
| CSM200 | FUNDAMENTAL OF COMPUTERS AND NETWORKING TECHNOLOGIES FOR CYBERSECURITY MANAGERS IN ORGANIZATIONS: UNDERSTANDING COMPUTER HARDWARE, NETWORKS AND THE INTERNET | 3 | FALL/SPRING/ ALL YEARS |
| CSM300 | CYBERSECURITY MANAGEMENT TOOLS AND TECHNIQUES | 3 | FALL/SPRING/ ALL YEARS |
| CSM301 | CYBERCRIME AND DIGITAL FORENSICS | 3 | FALL/SPRING/ ALL YEARS |
| CSM302 | LEGAL ISSUES AND CASES IN CYBERSECURITY AND THE LAW: LOCAL, NATIONAL AND INTERNATIONAL | 3 | FALL/SPRING/ ALL YEARS |

Elective Courses

A student may petition the Public Administration and Legal Studies Program for consideration to substitute



a course they have completed that may be equivalent in content to a course required in the Cybersecurity Management program.

FACULTY

PROGRAM CHAIR

Content coming soon!

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HEALTH SERVICES ADMINISTRATION PROGRAM AND PRE-LAW PROGRAM

OVERVIEW

PROSPECTUS

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.

REQUIREMENTS

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 (18 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PA206 | PUBLIC HEALTH AND DISEASE MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| PA207 | ADMINISTRATION OF HEALTH CARE SERVICES | 3 | FALL ONLY/ ALL YEARS |
| PA210 | PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA306 | HEALTH CARE PLANNING AND EVALUATION | 3 | SPRING ONLY/ ALL YEARS |
| PA307 | THE ECONOMICS OF HEALTH CARE | 3 | SPRING ONLY/ ALL YEARS |
| PA405 | LEADERSHIP ETHICS IN THE PROFESSIONS | 3 | FALL/SPRING/ ALL YEARS |

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.

Suggested Pre-Law Courses

Humanities

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|---------------------------|
| CO340 | PERSUASION | 3 | FALL ONLY/ EVEN YEARS |
| EN319 | ADVANCED COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| HI201 | EARLY AMERICA | 3 | FALL/SPRING/ ALL YEARS |
| PA405 | LEADERSHIP ETHICS IN THE PROFESSIONS | 3 | FALL/SPRING/ ALL YEARS |
| PI210 | INTRODUCTION TO LOGIC | 3 | FALL ONLY/ ODD YEARS |

Natural Sciences & Math

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

Business

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BA200 | PRINCIPLES OF FINANCIAL ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA201 | PRINCIPLES OF MANAGERIAL ACCOUNTING | 3 | FALL/SPRING/ ALL YEARS |
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |
| BA130 | INTRODUCTION TO COMPUTERS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |

Social Science

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PS101 | INTRODUCTION TO GOVERNMENT AND POLITICS | 3 | FALL/SPRING/ ALL YEARS |
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |
| PS420 | INTERNATIONAL LAW | 3 | FALL ONLY/ EVEN YEARS |

Legal Studies

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| LW101 | INTRODUCTION TO CRIMINAL JUSTICE | 3 | FALL/SPRING/ ALL YEARS |
| LW202 | TRIAL AND EVIDENCE | 3 | FALL/SPRING/ ALL YEARS |
| LW306 | CRIMINAL LAW | 3 | FALL/SPRING/ ALL YEARS |
| LW311 | CORRECTIONAL SECURITY MANAGEMENT AND ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| LW402 | CONSTITUTIONAL LAW | 3 | FALL/SPRING/ ALL YEARS |

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PUBLIC ADMINISTRATION PROGRAM

OVERVIEW

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.

LEARNING OUTCOMES

Successful students will be able to demonstrate:

- A general understanding of the various roles of professional managers in the public and nonprofit sectors
- Leadership and teamwork skills
- Critical thinking and analytical skills in solving real world problems in public administration
- A sufficient real-world understanding of public policy processes
- Proficiency in information technology and communication skills, etc.
- An understanding of local, regional, and global environments and their relevance to public administration

- An understanding of ethical, professional, and socially responsible behavior

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

PROGRAM REQUIREMENTS (124 CREDIT HOURS)

| Description | Credit |
|--|------------|
| General Education | 47 |
| Public Administration Major Courses | 50 |
| Public Administration Required Electives | 27 |
| Total Credits | 124 |

Note: Students must earn a grade of "C" or better in all major coursework.

GENERAL EDUCATION (47 CREDIT HOURS)

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. (See General Education [Student Advisement Sheet](#).)

Tier I: Core Foundation

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| CT101 | CRITICAL THINKING | 3 | FALL/SPRING/ ALL YEARS |
| MA110 | BASIC MATHEMATICAL APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Uniquely UOG

| Recommended | Course | Credits |
|-------------|--------|---------|
| Language | Any | 4 |
| Regional | Any | 3 |

Tier II: Diversity Foundation

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA233 | IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS | 3 | FALL/SPRING/ ALL YEARS |

| Recommended | Course | Credits |
|-----------------------|--------|---------|
| Science & Math | Any | 3 |
| Cultural Perspectives | Any | 3 |

Choice of One

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Direction Building

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| LW101 | INTRODUCTION TO CRIMINAL JUSTICE | 3 | FALL/SPRING/ ALL YEARS |
| EN210 | INTRODUCTION TO LITERATURE | 3 | FALL/SPRING/ ALL YEARS |

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| PA480 | PUBLIC ADMINISTRATION CAPSTONE | 3 | FALL/SPRING/ ALL YEARS |

MAJOR COURSES (50 CREDIT HOURS)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA130 | INTRODUCTION TO COMPUTERS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| BA330 | INFORMATION TECHNOLOGY AND NETWORKS FOR BUSINESS | 3 | FALL/SPRING/ ALL YEARS |
| BA303 | GOVERNMENTAL ACCOUNTING FOR NON-ACCOUNTING MAJORS | 3 | FALL ONLY/ ALL YEARS |
| LW402 | CONSTITUTIONAL LAW | 3 | FALL/SPRING/ ALL YEARS |
| PA210 | PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA215 | SUPERVISION IN GOVERNMENT ORGANIZATIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA233 | IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS | 3 | FALL/SPRING/ ALL YEARS |
| PA303 | GOVERNMENT FINANCE | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA304 | GOVERNMENT PUBLIC INFORMATION | 3 | FALL/SPRING/ ALL YEARS |
| PA305 | DATA ANALYSIS IN PUBLIC ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| PA307 | THE ECONOMICS OF HEALTH CARE | 3 | SPRING ONLY/ ALL YEARS |
| PA401 | COMMUNITY PLANNING | 3 | SUMMER/ ALL YEARS |
| AL401 | COMMUNITY PLANNING | 3 | AS REQUIRED |
| PA403 | PUBLIC PERSONNEL ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| PA405 | LEADERSHIP ETHICS IN THE PROFESSIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA420 | PUBLIC FINANCE & FISCAL POLICY | 3 | FALL/SPRING/ ALL YEARS |
| PA490 | SPECIAL PROJECT IN PUBLIC ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| PA480 | PUBLIC ADMINISTRATION CAPSTONE | 3 | FALL/SPRING/ ALL YEARS |

ELECTIVE COURSES (27 CREDIT HOURS)

Required electives must be approved by [Public Administration advisor](#).

MINOR REQUIREMENTS

PUBLIC ADMINISTRATION MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PA210 | PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA233 | IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS | 3 | FALL/SPRING/ ALL YEARS |
| PA303 | GOVERNMENT FINANCE | 3 | FALL/SPRING/ ALL YEARS |
| PA403 | PUBLIC PERSONNEL ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| PA405 | LEADERSHIP ETHICS IN THE PROFESSIONS | 3 | FALL/SPRING/ ALL YEARS |
| PA420 | PUBLIC FINANCE & FISCAL POLICY | 3 | FALL/SPRING/ ALL YEARS |

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SCHOOL OF EDUCATION

ELEMENTARY EDUCATION PROGRAM

OVERVIEW

PROSPECTUS

The Field: 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.

Relevance and Demand: 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.

Why UOG?: School of Education students at the University of Guam 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. 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.

Career Possibilities: School of Education graduates are presented with a variety of options to teach 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.

PROGRAM INFORMATION

- [Admission](#)
- [Advisement](#)
- [Grade Requirements](#)
- [Student Status \(Pre-Education or Teacher Candidate\)](#)
- [Student Teaching](#)
- [Learning Outcomes](#)

[Elementary Education Advisement Sheet](#)

DEGREE REQUIREMENTS

PROGRAM REQUIREMENTS (126 CREDIT HOURS)

| Description | Credit Hours |
|---|--------------|
| General Education | 47 |
| Content Area Courses | 22 |
| Admission Foundational Courses | 9 |
| Professional Education Courses (This includes ED-492 Practicum-Student Teaching) | 48 |
| Total Credit Hours | 126 |

GENERAL EDUCATION (47 CREDIT HOURS)

The Elementary Education Program requires students to complete 47 semester credit hours of General Education, as listed on the [Student Advisement Sheet](#). 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:

RECOMMENDED COURSES

Tier I: Core Foundation

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| CT101 | CRITICAL THINKING | 3 | FALL/SPRING/ ALL YEARS |
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Diversity Foundation

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| GE101 | INTRODUCTION TO GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |
| HI121 | WORLD HISTORY I | 3 | FALL/SPRING/ ALL YEARS |
| PS202 | GOVERNMENT IN THE UNITED STATES | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits |
|------------------------------|--------------|---------|
| Creative and Expressive Arts | Any | 3 |

Tier II: Uniquely UOG

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| ED265 | CULTURE AND EDUCATION IN GUAM | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits |
|----------|--------------|---------|
| Language | Any | 4 |

Tier II: Direction Building

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|----------------------------|
| MA115 | INTRODUCTORY COLLEGE ALGEBRA | 3 | FALL/SPRING/ ALL YEARS |
| AL130 | INTRO TO SCIENCE FOR EDUCATORS | 3 | SPRING ONLY/ EVEN YEARS |
| EN213 | LITERATURE, MYTH AND CULTURE | 3 | FALL/SPRING/ ALL YEARS |

CONTENT AREA (22 CREDIT HOURS)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|---------------------------|
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |

ADMISSION FOUNDATIONAL COURSES (9 CREDIT HOURS)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| ED271 | TECHNOLOGY APPLICATIONS FOR EDUCATORS | 3 | FALL/SPRING/ ALL YEARS |

PROFESSIONAL EDUCATION COURSES (48 CREDIT HOURS)

Required Courses

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| ED300 | EDUCATIONAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| ED334 | SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS | 3 | FALL/SPRING/ ALL YEARS |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED350 | EFFECTIVE TEACHING STRATEGIES FOR THE ELEMENTARY MULTICULTURAL CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED353 | SOCIAL STUDIES METHODS: ELEMENTARY | 3 | FALL ONLY/ ALL YEARS |
| ED354 | SCIENCE METHODS: ELEMENTARY | 3 | FALL ONLY/ ALL YEARS |
| ED356 | MATHEMATICS METHODS: ELEMENTARY | 3 | FALL ONLY/ ALL YEARS |
| ED392 | METHODS PRACTICUM | 3 | FALL ONLY/ ALL YEARS |
| ED489 | EVALUATION | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED363 | P.E. AND HEALTH METHODS ELEMENTARY | 3 | SPRING ONLY/ ALL YEARS |
| ED355 | LANGUAGE ARTS METHODS: ELEMENTARY | 3 | SPRING ONLY/ ALL YEARS |
| ED351 | FINE ARTS METHODS: ELEMENTARY | 3 | SPRING ONLY/ ALL YEARS |
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

SPECIALIZATIONS

ELEMENTARY EDUCATION SPECIALIZATION OPTIONS

Education majors may choose to add a specialization to their degree. The specialization courses are designed to provide students with a fundamental understanding of a specific group of learners. They also satisfy some of the UOG prerequisite requirements toward admission into the Master of Education degree in that area.

Early Childhood Education (15 credit hours)

This specialization is for Elementary Education 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 | Term Offered |
|--------|---|---------|---------------------------|
| ED330 | LANGUAGE ARTS IN EARLY CHILDHOOD | 3 | AS REQUIRED |
| ED331 | TEACHING THE YOUNG CHILD | 3 | AS REQUIRED/ ALL YEARS |
| ED333 | CREATIVE ARTS IN EARLY CHILDHOOD | 3 | AS REQUIRED/ ALL YEARS |
| ED334 | SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS | 3 | FALL/SPRING/ ALL YEARS |
| ED336 | BUILDING HOME AND SCHOOL RELATIONSHIPS IN EARLY CHILDHOOD EDUCATION | 3 | AS REQUIRED/ ALL YEARS |

English as a Second Language (ESL) (15 credit hours)

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 for students hoping to pursue careers teaching ESL abroad.

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|------------------------|
| ED280 | INTRODUCTION TO BILINGUALISM/ BICULTURALISM | 3 | FALL ONLY/ ALL YEARS |
| ED385A | STRUCTURE OF THE LANGUAGE | 3 | FALL ONLY/ ALL YEARS |
| ED480 | SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT | 3 | AS REQUIRED/ ALL YEARS |
| ED481 | SECOND LANGUAGE TEACHING METHODOLOGY | 3 | AS REQUIRED/ ALL YEARS |
| ED482 | WORKING WITH SECOND LANGUAGE LEARNERS | 3 | AS REQUIRED/ ALL YEARS |

Special Education (15 credit hours)

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 | Term Offered |
|--------|---|---------|------------------------|
| ED310 | REMEDIATION OF INDIVIDUALS WITH LEARNING DISABILITIES/ BEHAVIOR DISORDERS | 3 | AS REQUIRED |
| ED314 | ASSESSMENT OF SKILLS FOR CHILDREN AND YOUTH WITH SPECIAL NEEDS | 3 | AS REQUIRED |
| ED442 | SPECIAL EDUCATION LAW | 3 | AS REQUIRED/ ALL YEARS |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED457 | BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION | 3 | AS REQUIRED/ ALL YEARS |

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SECONDARY EDUCATION PROGRAM

PROSPECTUS

The Secondary Education Program is designed to prepare students for teaching careers in middle schools 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.

PROGRAM INFORMATION

- [Admission](#)
- [Advisement](#)
- [Grade Requirements](#)
- [Student Status \(Pre-Education or Teacher Candidate\)](#)
- [Student Teaching](#)
- [Learning Outcomes](#)

DEGREE REQUIREMENTS

SECONDARY EDUCATION PROGRAM REQUIREMENTS (124 CREDIT HOURS)

Credit Requirements for Secondary Education

Option A

- Subject Major
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 30-58
 - **Total Credit Hours - 124**

Option B

- Math
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 32
 - Electives - 9
 - **Total Credit Hours - 124**
- General Science
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 42-46
 - **Total Credit Hours - 124-129**
- Physical Education
 - General Education - 47
 - Professional Education - 30
 - Specialty Requirements - 47
 - **Total Credit Hours - 124**
- Fine Arts
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 36
 - Electives - 5
 - **Total Credit Hours - 124**

- Modern Language
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 30
 - Electives - 11
 - **Total Credit Hours - 124**
- Career and Technical - 47
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 30
 - Electives - 11
 - **Total Credit Hours - 124**

Note: 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](#).

EMPHASIS OPTIONS

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 requirement. The student's program must be approved by the [advisor of the Secondary Education Program](#).

General Education (47 credit hours)

Each student must fulfill the General Education requirements as listed in the [General Education Requirements](#).

Professional Education (36 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED110 | INTRODUCTION TO TEACHING | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| ED300 | EDUCATIONAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED462 | CONTENT AREA LITERACY | 3 | FALL ONLY/ ALL YEARS |
| ED463 | CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY | 3 | SPRING ONLY/ ALL YEARS |
| ED489 | EVALUATION | 3 | FALL/SPRING/ ALL YEARS |
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

| Course | Credits |
|--------|--|
| ED | A Methods course based on or related to the major or area of specialty 3 |

Specialty Requirements (30-58 credit hours)

Specialty areas must be selected from areas commonly taught in secondary schools.

An "Emphasis Area" option is available in which certification in an added area is possible. The two (2)

options available to the student majoring in Secondary Education are Special Education and English as a Second Language. Students select the option that best relates to their future plans and previous experience.

OPTION B: ONE TEACHING AREA OF SPECIALTY

Students selecting this option must take a minimum of 30 specified hours in one teaching area identified below. Students receive preparation in a subject area beyond the minimum required for certification. 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 Content Test prior to student teaching. At present, the following emphasis areas make up the secondary Option "B" programs available:

Math Emphasis

General Education (47 credit hours)

To meet the university's General Education requirements, follow the **Student Advisement Sheet** to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Direction Building

1) CF, DF, or UU as pre-requisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |

2) DF or Major Exploration

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA161B | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |

3) DF Exploration outside major requirement (may apply to a minor or second major)

Choose any course.

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

Professional Education (36 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED110 | INTRODUCTION TO TEACHING | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| ED300 | EDUCATIONAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED462 | CONTENT AREA LITERACY | 3 | FALL ONLY/ ALL YEARS |
| ED463 | CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY | 3 | SPRING ONLY/ ALL YEARS |
| ED489 | EVALUATION | 3 | FALL/SPRING/ ALL YEARS |
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

And:

| Course | Credits |
|--------|--|
| ED | A Methods course based on or related to the major or area of specialty 3 |

Specialization Requirements: Math Emphasis (32 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |
| MA205 | MULTIVARIABLE CALCULUS | 4 | FALL/SPRING/ ALL YEARS |
| MA302 | FOUNDATIONS OF HIGHER MATHEMATICS | 3 | SPRING ONLY/ ALL YEARS |
| MA341 | LINEAR ALGEBRA | 3 | FALL/SPRING/ ALL YEARS |
| MA351 | DISCRETE STRUCTURES | 3 | SPRING ONLY/ ALL YEARS |
| MA385 | APPLIED STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| MA411 | INTRODUCTION TO ABSTRACT ALGEBRA I | 3 | FALL ONLY/ ALL YEARS |
| MA421 | INTRODUCTION TO ANALYSIS I | 3 | FALL ONLY/ ALL YEARS |

Elective Courses (9 credit hours)

Students in the math emphasis must complete an additional 9 credit hours of coursework to meet the 124 credit requirement.

General Science Emphasis

General Education (47 credit hours)

To meet the university's General Education requirements, follow the **Student Advisement Sheet** to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Direction Building

1) CF, DF, or UU as pre-requisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

2) DF or Major Exploration

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |

3) DF Exploration outside major requirement (may apply to a minor or second major)

Choose any course.

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

Professional Education (36 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED110 | INTRODUCTION TO TEACHING | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| ED300 | EDUCATIONAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED462 | CONTENT AREA LITERACY | 3 | FALL ONLY/ ALL YEARS |
| ED463 | CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY | 3 | SPRING ONLY/ ALL YEARS |
| ED489 | EVALUATION | 3 | FALL/SPRING/ ALL YEARS |
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

And:

| Course | Credit |
|--------|--|
| ED | A Methods course based on or related to the major or area of specialty 3 |

Specialization Requirements: General Science Emphasis (42-46 credit hours)

Select three complete sequences from the following:

Chemistry (8 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Physics (10 credits)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |

Geology (8-11 credits)

One of the following sets:

Set 1:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|--------------|
| NS110 | INTRODUCTION TO THE EARTH | 3 | AS REQUIRED |
| NS110L | INTRODUCTION TO THE EARTH LABORATORY | 1 | AS REQUIRED |
| NS112 | HISTORY OF THE EARTH | 3 | AS REQUIRED |
| NS112L | HISTORY OF THE EARTH LABORATORY | 1 | AS REQUIRED |

Set 2:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| NS101 | INTRODUCTION TO PHYSICAL SCIENCE | 3 | AS REQUIRED |
| NS101L | INTRODUCTION TO PHYSICAL SCIENCE LABORATORY | 1 | AS REQUIRED |
| GE101 | INTRODUCTION TO GEOGRAPHY | 3 | FALL/SPRING/ ALL YEARS |
| GE203 | PRINCIPLES OF PHYSICAL GEOGRAPHY | 4 | SPRING ONLY/ ALL YEARS |

Biology (9 credits)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits |
|--------|--------------------------|---------|
| BI | Lab Teaching & Assisting | 1 |

Elective Courses (16 credit hours)

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.)

Physical Education/School Health (Grades 6–12) Emphasis

The Physical Education and School Health emphasis 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 (47 credit hours)

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Select one of the following math courses:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MA110 | BASIC MATHEMATICAL APPLICATIONS | 3 | FALL/SPRING/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA165 | PRECALCULUS | 5 | FALL/SPRING/ ALL YEARS |

Take the following courses:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |

Select one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| HI211 | HISTORY OF GUAM | 3 | FALL/SPRING/ ALL YEARS |
| ED265 | CULTURE AND EDUCATION IN GUAM | 3 | FALL/SPRING/ ALL YEARS |

Tier II: Direction Building

1) CF, DF, or UU as pre-requisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-------------------------|
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |

2) DF or Major Exploration

| Course | Course Title | Credits | Term Offered |
|--------|-----------------|---------|---------------------------|
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |

3) DF Exploration outside major requirement (may apply to a minor or second major)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|---------------------------|
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

Professional Education (30 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED110 | INTRODUCTION TO TEACHING | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| ED300 | EDUCATIONAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| ED462 | CONTENT AREA LITERACY | 3 | FALL ONLY/ ALL YEARS |
| ED463 | CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY | 3 | SPRING ONLY/ ALL YEARS |
| ED489 | EVALUATION | 3 | FALL/SPRING/ ALL YEARS |
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

Recommended Elective

One of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| ED271 | TECHNOLOGY APPLICATIONS FOR EDUCATORS | 3 | FALL/SPRING/ ALL YEARS |
| ED451 | AUDIO VISUAL EDUCATION | 3 | FALL/SPRING/ ALL YEARS |

Specialization Requirements: Physical Education/School Health Emphasis (47 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| PE117 | FOLK, SQUARE, AND SOCIAL DANCE | 3 | FALL ONLY/ ODD YEARS |
| PE118 | OUTDOOR PURSUITS AND RACQUET SPORTS | 3 | SPRING ONLY/ EVEN YEARS |
| PE124 | INDOOR INDIVIDUAL SPORTS | 3 | FALL ONLY/ ODD YEARS |
| PE126 | OUTDOOR TEAM SPORTS | 3 | SPRING ONLY/ ODD YEARS |
| PE127 | INTRODUCTION TO TUMBLING AND RHYTHMIC GYMNASTICS | 2 | SPRING ONLY/ EVEN YEARS |
| PE212 | MOTOR LEARNING | 3 | FALL ONLY/ ODD YEARS |
| PE214 | COMMUNITY HEALTH FOR EDUCATORS | 3 | FALL ONLY/ EVEN YEARS |
| PE220 | INDOOR TEAM SPORTS | 3 | FALL ONLY/ EVEN YEARS |
| PE305 | HISTORICAL AND PHILOSOPHICAL FOUNDATIONS OF PHYSICAL EDUCATION | 3 | FALL ONLY/ EVEN YEARS |
| PE312 | SCHOOL HEALTH | 3 | SPRING ONLY/ ODD YEARS |
| HS322 | KINESIOLOGY | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| HS324 | EXERCISE PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| PE352 | METHODS OF TEACHING ELEMENTARY PHYSICAL EDUCATION | 3 | FALL ONLY/ ALL YEARS |
| PE353 | METHODS OF TEACHING MIDDLE AND HIGH SCHOOL HEALTH AND PHYSICAL EDUCATION | 3 | SPRING ONLY/ ALL YEARS |
| HS355 | HUMAN SEXUALITY | 3 | SPRING ONLY/ ALL YEARS |
| PE454 | ADAPTED AND DEVELOPMENTAL PHYSICAL EDUCATION | 3 | SPRING ONLY/ ODD YEARS |

Fine Arts: Music or Art Emphasis

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 School of Education and Commission for Educator Certification.

General Education (47 credit hours)

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses. Under the following sections on the General Education advisement sheet, take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Tier II: Direction Building

1) CF, DF, or UU as pre-requisite (can be within a declared major)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|-------------------------|
| FA231 | SURVEY OF THE ARTS | 3 | FALL ONLY/ ALL YEARS |

2) DF or Major Exploration

For a Fine Arts emphasis in **Music**, choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| MU104 | UNIVERSITY SINGERS | 1 | FALL/SPRING/ ALL YEARS |
| MU105 | BAND | 1 | FALL/SPRING/ ALL YEARS |
| MU106 | INTRODUCTION TO MUSIC | 3 | FALL/SPRING/ ALL YEARS |

For a Fine Arts emphasis in **Art**, take:

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| AR103 | DRAWING I | 3 | FALL/SPRING/ ALL YEARS |

3) DF Exploration outside major requirement (may apply to a minor or second major)

Choose any course.

Tier III: Capstone Experience

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

Professional Education (36 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED110 | INTRODUCTION TO TEACHING | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| ED300 | EDUCATIONAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED462 | CONTENT AREA LITERACY | 3 | FALL ONLY/ ALL YEARS |
| ED463 | CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY | 3 | SPRING ONLY/ ALL YEARS |
| ED489 | EVALUATION | 3 | FALL/SPRING/ ALL YEARS |
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

And:

| Course | Credits |
|--------|--|
| ED | A Methods course based on or related to the major or area of specialty 3 |

Specialty Requirements: Fine Arts Emphasis (36 credit hours)

Students should use the requirements for the [Art Track Minor](#) or [Music Track Minor](#) as their guide when selecting 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.

Elective Courses (5 credit hours)

Students in the Fine Arts emphasis must complete an additional 5 credit hours of coursework to meet the 124 credit requirement. Elective courses should help prepare the student for the required Praxis Subject Assessments. Please see [program advisor](#).

Modern Language: Japanese Emphasis

General Education (47 credit hours)

To meet the university's General Education requirements, follow the [Student Advisement Sheet](#) to fulfill all necessary courses.

Professional Education (36 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED110 | INTRODUCTION TO TEACHING | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| ED300 | EDUCATIONAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED462 | CONTENT AREA LITERACY | 3 | FALL ONLY/ ALL YEARS |
| ED463 | CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY | 3 | SPRING ONLY/ ALL YEARS |
| ED489 | EVALUATION | 3 | FALL/SPRING/ ALL YEARS |
| ED492 | PRACTICUM IN STUDENT TEACHING | 12 | FALL/SPRING/ ALL YEARS |

And:

| Course | Credits |
|--------|--|
| ED | A Methods course based on or related to the major or area of specialty 3 |

Specialty Requirements: Modern Language Emphasis (30 credit hours)

1) Japanese language courses (20 credits beyond JA-101 from any of the following):

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|----------------------------|
| JA102 | ELEMENTARY JAPANESE II | 4 | FALL/SPRING/ ALL YEARS |
| JA201 | INTERMEDIATE JAPANESE I | 4 | FALL ONLY/ EVEN YEARS |
| JA202 | INTERMEDIATE JAPANESE II | 4 | SPRING ONLY/ ODD YEARS |
| JA301 | THIRD YEAR JAPANESE I | 4 | FALL ONLY/ ODD YEARS |
| JA302 | THIRD YEAR JAPANESE II | 4 | SPRING ONLY/ EVEN YEARS |
| JA401 | FOURTH YEAR JAPANESE I | 4 | AS REQUIRED |
| JA402 | FOURTH YEAR JAPANESE II | 4 | AS REQUIRED |

2) Japanese culture course

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|-------------------------|
| JA217 | JAPANESE CULTURE AND SOCIETY | 3 | FALL ONLY/ ALL YEARS |

3) Teaching assistant (choose one of the following):

| Course | Course Description | Credits |
|---------|--------------------|---------|
| JA-392* | Practicum | 1 |
| JA-492* | Practicum | 1 |

*Students must make special arrangements with their advisor for these courses.

Elective Courses (11 credit hours)

Students in the Modern Language emphasis must complete an additional 11 credit hours of coursework to meet the 124 credit requirement.

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](#) (47 credit hours), Professional Education (36 credit hours), 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.)

SPECIALIZATIONS

SECONDARY EDUCATION SPECIALIZATION OPTIONS

Education majors may opt to add a specialization to their degree. The specialization courses are designed to provide students with a fundamental understanding of a specific group of learners. They also satisfy some of the UOG prerequisite requirements toward admission into the Master of Education degree in that area.

English as a Second Language (ESL) (15 credit hours)

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 for students hoping to pursue careers teaching ESL abroad.

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|------------------------|
| ED280 | INTRODUCTION TO BILINGUALISM/ BICULTURALISM | 3 | FALL ONLY/ ALL YEARS |
| ED385A | STRUCTURE OF THE LANGUAGE | 3 | FALL ONLY/ ALL YEARS |
| ED480 | SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT | 3 | AS REQUIRED/ ALL YEARS |
| ED481 | SECOND LANGUAGE TEACHING METHODOLOGY | 3 | AS REQUIRED/ ALL YEARS |
| ED482 | WORKING WITH SECOND LANGUAGE LEARNERS | 3 | AS REQUIRED/ ALL YEARS |

Special Education (15 credit hours)

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 | Term Offered |
|--------|---|---------|------------------------|
| ED310 | REMEDIATION OF INDIVIDUALS WITH LEARNING DISABILITIES/ BEHAVIOR DISORDERS | 3 | AS REQUIRED |
| ED314 | ASSESSMENT OF SKILLS FOR CHILDREN AND YOUTH WITH SPECIAL NEEDS | 3 | AS REQUIRED |
| ED442 | SPECIAL EDUCATION LAW | 3 | AS REQUIRED/ ALL YEARS |
| ED446 | INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM | 3 | FALL/SPRING/ ALL YEARS |
| ED457 | BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION | 3 | AS REQUIRED/ ALL YEARS |

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SCHOOL OF ENGINEERING

CIVIL ENGINEERING PROGRAM

OVERVIEW

PROSPECTUS

The Field

Civil engineering is the oldest branch of engineering and plays a major role in developing a society and civilization.

Relevance and Demand

The need for civil engineers in Guam and the region is projected to remain strong over the next five to 10 years in support of the Marines relocation and general construction demand 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 to meet the needs of local students and the workforce requirements of Guam and all of Micronesia and the neighboring regions of the Pacific and Asia.

Why UOG?

Students from the Pacific region enrolled in UOG's Civil 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.

The School of Engineering is preparing to seek accreditation for its Civil Engineering degree program through the Engineering Accreditation Commission of ABET.

Career Possibilities

UOG Civil Engineering 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 structural systems, construction projects, transportation projects, environmental treatment facilities, and project management.

LEARNING OUTCOMES

Students completing the Civil Engineering Program will have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics;
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare as well as global, cultural, social, environmental, and economic factors;
3. an ability to communicate effectively with a range of audiences;
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts;
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives;
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions;
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

DEGREE REQUIREMENTS

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 126 credit 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, CEE-404 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.

PROGRAM REQUIREMENTS (126 CREDIT HOURS)

| Description | Credit Hours |
|-------------|--------------|
| Mathematics | 13 |
| Sciences | 20 |

| Description | Credit Hours |
|---------------------------------------|--------------|
| General Engineering, Computer Science | 8 |
| Humanities and Social Sciences | 30 |
| Civil Engineering | 55 |
| Total Credit Hours | 126 |

General Education (47 credit hours)

Students must complete the [General Education requirements](#) listed in this catalog. Some of these courses are also Civil Engineering program requirements and may be applied toward both sets of requirements. Consult your [SENG academic advisor or major advisor](#) for recommendations that may count toward both General Education and major requirements.

Mathematics (13 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|------------------------|---------|---------------------------|
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |
| MA204 | CALCULUS II | 5 | FALL/SPRING/ ALL YEARS |
| MA301 | DIFFERENTIAL EQUATIONS | 3 | SPRING ONLY/ ALL YEARS |

Sciences (20 credit hours)

| Course | Course Title | Credits | Term Offered |
|--|--------------------------------------|---------|---------------------------|
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH103 | GENERAL CHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| NS110 | INTRODUCTION TO THE EARTH | 3 | AS REQUIRED |
| NS110L | INTRODUCTION TO THE EARTH LABORATORY | 1 | AS REQUIRED |
| Description | | Credits | |
| General Education Tier II Direction Building | | 3 | |

General Engineering, Computer Science (8 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| CEE100 | ENGINEERING ORIENTATION | 1 | FALL/SPRING/ ALL YEARS |
| CEE101 | ENGINEERING GRAPHICS | 3 | FALL/SPRING/ ALL YEARS |
| CS201 | PROGRAMMING I | 4 | FALL/SPRING/ ALL YEARS |

Humanities and Social Sciences (30 credits)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |
| CT101 | CRITICAL THINKING | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |

| Description | Credits |
|--|---------|
| General Education Tier II Humanities and Social Sciences | 12 |
| General Education Uniquely UOG | 6 |

Civil Engineering (55 credit hours)

| Course | Course Title | Credits | Term Offered |
|---------|--|---------|---------------------------|
| CEE201 | ENGINEERING STATICS | 3 | FALL/SPRING/ ALL YEARS |
| CEE202 | ENGINEERING DYNAMICS | 3 | FALL/SPRING/ ALL YEARS |
| CEE203 | MECHANICS OF MATERIALS | 3 | FALL/SPRING/ ALL YEARS |
| CEE204 | MECHANICS OF FLUIDS | 3 | FALL ONLY/ ALL YEARS |
| CEE301 | STRUCTURAL ANALYSIS | 3 | FALL ONLY/ ALL YEARS |
| CEE302 | ENGINEERING HYDRAULICS | 3 | SPRING ONLY/ ALL YEARS |
| CEE302L | ENGINEERING HYDRAULICS LAB | 1 | SPRING ONLY/ ALL YEARS |
| CEE303 | GEOTECHNICAL ENGINEERING | 3 | FALL ONLY/ ALL YEARS |
| CEE303L | GEOTECHNICAL ENGINEERING LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CEE304 | CIVIL ENGINEERING MATERIALS | 3 | FALL ONLY/ ALL YEARS |
| CEE304L | CIVIL ENGINEERING MATERIALS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CEE305 | EARTH STRUCTURES DESIGN | 3 | SPRING ONLY/ ALL YEARS |
| CEE306 | REINFORCED CONCRETE STRUCTURES DESIGN | 3 | SPRING ONLY/ ALL YEARS |
| CEE307 | INTRODUCTION TO | 3 | SPRING ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|---------|---|---------|---------------------------|
| | ENVIRONMENTAL ENGINEERING | | |
| CEE308L | INTRO TO SURVEYING AND LAB | 3 | SPRING ONLY/ ALL YEARS |
| CEE401 | STEEL STRUCTURES DESIGN | 3 | FALL ONLY/ ALL YEARS |
| CEE402 | FOUNDATION ENGINEERING | 3 | FALL ONLY/ ALL YEARS |
| CEE403 | FUNDAMENTAL OF TRANSPORTATION ENGINEERING | 3 | SPRING ONLY/ ALL YEARS |
| CEE404 | CIVIL ENGINEERING DESIGN I | 2 | FALL ONLY/ ALL YEARS |
| CEE405 | CIVIL ENGINEERING DESIGN II | 2 | SPRING ONLY/ ALL YEARS |
| CEE406 | INTRODUCTION TO CONSTRUCTION MANAGEMENT | 3 | SPRING ONLY/ ALL YEARS |

Note: CEE-201 Course may apply to **General Education requirements.*

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SCHOOL OF HEALTH

HEALTH SCIENCE PROGRAM

PROSPECTUS

The Health Science 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 & Health Promotion, Pre-Physical Therapy, and Public Health.

Relevance and Demand

The Health Science 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.

The goal of this program is to prepare students for graduate studies in health science 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.

Career and Post-Graduate Possibilities

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.

Why UOG?

The Health Science Program at UOG provides training and internship opportunities relevant to Pacific Islanders and found only in Micronesia.

LEARNING OUTCOMES

Students in the Health Science degree program will demonstrate the following outcomes:

- Behavior change skills and health promotion competencies
- The ability to critically analyze information relative to health and disease/injury prevention
- The ability to understand and apply scientific principles and methods
- Written and verbal capabilities
- The ability to work cooperatively in groups
- The ability to problem seek and solve.

CONCENTRATIONS

HEALTH SCIENCE 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 & 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 the following 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.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

PRE-PHYSICAL THERAPY CONCENTRATION (124 CREDIT HOURS)

| Description | Credit |
|----------------------------|------------|
| General Education | 28 |
| Core Requirements | 41 |
| Concentration Requirements | 55 |
| Total Credit Hours | 124 |

Core Requirements (41 Credit Hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |
| HS216 | INTRODUCTION TO PUBLIC HEALTH | 3 | FALL ONLY/ ALL YEARS |
| HS405 | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| HS405G | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| HS416 | RESEARCH IN NURSING AND HEALTH SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| HS498 | INTERNSHIP IN HEALTH SCIENCES | 6 | FALL/SPRING/ ALL YEARS |
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA387 | STATISTICS FOR SCIENCES | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| MA387L | STATISTICS FOR SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| NU112 | MEDICAL TERMINOLOGY | 2 | FALL/SPRING/ ALL YEARS |
| NU344 | AGING: MYTH AND REALITIES | 3 | FALL ONLY/ ALL YEARS |

Concentration Requirements (55 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI157 | PRINCIPLES OF BIOLOGY I | 3 | SPRING ONLY/ ALL YEARS |
| BI157L | PRINCIPLES OF BIOLOGY I LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI158 | PRINCIPLES OF BIOLOGY II | 3 | FALL ONLY/ ALL YEARS |
| BI158L | PRINCIPLES OF BIOLOGY II LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH102L | GENERAL CHEMISTRY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH102 | GENERAL CHEMISTRY | 3 | FALL ONLY/ ALL YEARS |
| CH103L | GENERAL CHEMISTRY LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| HS322 | KINESIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| HS324 | EXERCISE PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| HS350 | TEST AND MEASUREMENT IN HUMAN PERFORMANCE | 3 | SPRING ONLY/ ALL YEARS |
| HS451 | RESEARCH AND REPORT WRITING | 3 | SPRING ONLY/ ALL YEARS |
| MA203 | CALCULUS I | 5 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| PH210 | INTRODUCTORY PHYSICS LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| PH211 | INTRODUCTORY PHYSICS LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| PH251 | UNIVERSITY PHYSICS | 4 | FALL ONLY/ ALL YEARS |
| PH252 | UNIVERSITY PHYSICS | 4 | SPRING ONLY/ ALL YEARS |
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| PY420 | ABNORMAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Choice of One:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| HS491 | CURRENT TOPICS IN HEALTH SCIENCES | 3 | FALL/SPRING/ ALL YEARS |

| Course | Credits |
|--|---------|
| Upper division, advisor-approved BI/CH/PY/SO courses | 6 |

EXERCISE SCIENCE & HEALTH PROMOTION CONCENTRATION (124 CREDIT HOURS)

| Description | Credits |
|-------------------|---------|
| General Education | 32 |

| Description | Credits |
|----------------------------|------------|
| Core Requirements | 41 |
| Concentration Requirements | 51 |
| Total Credit Hours | 124 |

Core Requirements (41 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |
| HS216 | INTRODUCTION TO PUBLIC HEALTH | 3 | FALL ONLY/ ALL YEARS |
| HS405 | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| HS405G | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| HS416 | RESEARCH IN NURSING AND HEALTH SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| HS498 | INTERNSHIP IN HEALTH SCIENCES | 6 | FALL/SPRING/ ALL YEARS |
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA387 | STATISTICS FOR SCIENCES | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| MA387L | STATISTICS FOR SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| NU112 | MEDICAL TERMINOLOGY | 2 | FALL/SPRING/ ALL YEARS |
| NU344 | AGING: MYTH AND REALITIES | 3 | FALL ONLY/ ALL YEARS |

Concentration Requirements (51 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| AL330 | NUTRITION THROUGHOUT THE LIFESPAN | 3 | FALL ONLY/ ALL YEARS |
| AL335 | NUTRITION FOR HEALTH, FITNESS AND SPORT | 3 | SPRING ONLY/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| HS104 | CONDITIONING AND FITNESS | 1 | FALL/SPRING/ ALL YEARS |
| HS105 | STRENGTH TRAINING | 1 | FALL/SPRING/ ALL YEARS |
| HS106 | AEROBIC DANCE | 1 | FALL/SPRING/ ALL YEARS |
| HS210 | HUMAN BIOLOGY AND BEHAVIOR | 3 | FALL ONLY/ ALL YEARS |
| HS322 | KINESIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| HS324 | EXERCISE PHYSIOLOGY | 3 | SPRING ONLY/ ALL YEARS |
| HS350 | TEST AND MEASUREMENT IN HUMAN PERFORMANCE | 3 | SPRING ONLY/ ALL YEARS |
| HS355 | HUMAN SEXUALITY | 3 | SPRING ONLY/ ALL YEARS |
| HS451 | RESEARCH AND REPORT WRITING | 3 | SPRING ONLY/ ALL YEARS |
| HS491 | CURRENT TOPICS IN HEALTH SCIENCES | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|---------------------------|
| PA206 | PUBLIC HEALTH AND DISEASE MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |

| Course | Credit Hours |
|--|--------------|
| Advisor-approved HS/BI/CH/ CF/PE/PH/PY/SO courses | At least 9 |

PUBLIC HEALTH CONCENTRATION (124-125 CREDIT HOURS)

| Decription | Credits |
|----------------------------|----------------|
| General Education | 25 |
| Core Requirements | 41 |
| Concentration Requirements | 55-56 |
| Advisor-Approved Elective | 3 |
| Total Credit Hours | 124-125 |

Core Requirements (41 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |
| HS200 | HEALTH AND WELLNESS | 3 | FALL/SPRING/ ALL YEARS |
| HS216 | INTRODUCTION TO PUBLIC HEALTH | 3 | FALL ONLY/ ALL YEARS |
| HS405 | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| HS405G | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| HS416 | RESEARCH IN NURSING AND HEALTH SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| HS498 | INTERNSHIP IN HEALTH SCIENCES | 6 | FALL/SPRING/ ALL YEARS |
| MA161A | COLLEGE ALGEBRA AND TRIGONOMETRY | 3 | FALL/SPRING/ ALL YEARS |
| MA387 | STATISTICS FOR SCIENCES | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| MA387L | STATISTICS FOR SCIENCE LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| NU112 | MEDICAL TERMINOLOGY | 2 | FALL/SPRING/ ALL YEARS |
| NU344 | AGING: MYTH AND REALITIES | 3 | FALL ONLY/ ALL YEARS |

Concentration Requirements (55-56 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| AL389 | EXTENSION PROGRAMS & PLANNING | 3 | SPRING ONLY/ ALL YEARS |
| CH100 | INTRODUCTION TO INORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH100L | INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH101 | INTRODUCTION TO ORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH101L | INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| HS210 | HUMAN BIOLOGY AND BEHAVIOR | 3 | FALL ONLY/ ALL YEARS |
| HS355 | HUMAN SEXUALITY | 3 | SPRING ONLY/ ALL YEARS |
| HS451 | RESEARCH AND REPORT WRITING | 3 | SPRING ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|---------------------------|
| HS491 | CURRENT TOPICS IN HEALTH SCIENCES | 3 | FALL/SPRING/ ALL YEARS |
| PA206 | PUBLIC HEALTH AND DISEASE MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |

Plus one of these four options:

| Option | Credits |
|-------------------------------|---------|
| Minor in Health Services | 15 |
| Minor in Nutrition | 16 |
| Social/Behavioral Emphasis | 15 |
| Environmental Health Emphasis | 15 |

Note: All students must meet with an advisor to discuss the appropriate courses for each option.

FACULTY

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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.

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.

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.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

GENERIC BSN TRACK (124 CREDIT HOURS)

| Description | Credits |
|---------------------------|------------|
| General Education | 49 |
| Required Support Courses | 11 |
| Required Nursing Courses | 64 |
| Total Credit Hours | 124 |

Required Support Courses (11 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| BI124 | HUMAN ANATOMY AND PHYSIOLOGY I | 3 | FALL ONLY/ ALL YEARS |
| BI124L | HUMAN ANATOMY & PHYSIOLOGY I LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| CH100 | INTRODUCTION TO INORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH100L | INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH101 | INTRODUCTION TO ORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH101L | INTRODUCTION TO ORGANIC | 1 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| | CHEMISTRY LABORATORY | | |
| AN101 | INTRODUCTION TO ANTHROPOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |

*EN-110,/111, MA-151, BI-124/L, BI-125/L, CH-100/L,
CH-101/L, AN-101, PY-101, CO-210, AL-185 courses count
for both **General Education** and **Required Support Courses**.*

Required Nursing Courses (64 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-----------------------------|
| NU200B | COMMUNICATION AND METAL HEALTH CONCEPTS | 3 | FALL ONLY/ ALL YEARS |
| NU202B | FUNDAMENTALS OF NURSING | 4 | SPRING ONLY/ ALL YEARS |
| NU203B | FUNDAMENTALS OF NURSING PRACTICUM | 4 | SPRING ONLY/ ALL YEARS |
| NU204B | HEALTH ASSESSMENT | 2 | SPRING ONLY/ ALL YEARS |
| NU205B | HEALTH ASSESSMENT PRACTICUM | 1 | SPRING ONLY/ ALL YEARS |
| NU207B | PHARMACOLOGY IN NURSING | 2 | SPRING ONLY/ ALL YEARS |
| NU214 | DOSAGE CALCULATION | 1 | FALL/SPRING/ AS REQUIRED |
| NU302B | ADULT HEALTH NURSING | 6 | FALL ONLY/ ALL YEARS |
| NU303B | ADULT HEALTH PRACTICUM I | 4 | FALL ONLY/ ALL YEARS |
| NU304B | FAMILY HEALTH NURSING | 6 | SPRING ONLY/ ALL YEARS |
| NU305B | FAMILY HEALTH NURSING PRACTICUM | 4 | SPRING ONLY/ ALL YEARS |
| NU310 | PATHOPHYSIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| NU403 | COMMUNITY HEALTH NURSING PRACTICUM | 3 | FALL ONLY/ ALL YEARS |
| NU408 | PSYCHIATRIC MENTAL | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| | HEALTH NURSING | | |
| NU409 | PSYCHIATRIC NURSING PRACTICUM | 2 | FALL ONLY/ ALL YEARS |
| NU412 | COMMUNITY HEALTH NURSING | 3 | FALL ONLY/ ALL YEARS |
| NU415 | INDEPENDENT NURSING PRACTICUM | 3 | SPRING ONLY/ ALL YEARS |
| NU416 | RESEARCH IN NURSING AND HEALTH SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| NU418 | LEADERSHIP IN NURSING | 3 | SPRING ONLY/ ALL YEARS |
| NU419 | LEADERSHIP IN NURSING PRACTICUM | 1 | SPRING ONLY/ ALL YEARS |
| NU420 | TRENDS IN NURSING | 2 | SPRING ONLY/ ALL YEARS |

Optional Elective Courses

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| NU344 | AGING: MYTH AND REALITIES | 3 | FALL ONLY/ ALL YEARS |
| NU112 | MEDICAL TERMINOLOGY | 2 | FALL/SPRING/ ALL YEARS |
| NU212 | EMPOWERMENT STRATEGIES FOR NURSING STUDENTS | 3 | FALL/SPRING/ ALL YEARS |

And transition courses:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|------------------------|
| NU223 | CLINICAL MENTORSHIP | 1 | SUMMER/ SUMMER ONLY |
| NU323 | CLINICAL MENTORSHIP | 1 | SUMMER/ SUMMER ONLY |
| NU423 | CLINICAL MENTORSHIP | 1 | SUMMER |

SECOND-STEP BSN TRACK (124 CREDIT HOURS)

| Description | Credits |
|---------------------------|------------|
| General Education | 49 |
| Required Support Courses | 11 |
| Required Nursing Courses | 64 |
| Total Credit Hours | 124 |

Required Support Courses (11 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| EN110 | FRESHMAN COMPOSITION | 3 | FALL/SPRING/ ALL YEARS |
| EN111 | WRITING FOR RESEARCH | 3 | FALL/SPRING/ ALL YEARS |
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |
| BI125 | HUMAN ANATOMY & PHYSIOLOGY II | 3 | SPRING ONLY/ ALL YEARS |
| BI125L | HUMAN ANATOMY & PHYSIO II LABORATORY | 1 | SPRING ONLY/ ALL YEARS |
| BI225 | BASIC MICROBIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| BI225L | BASIC MICROBIOLOGY LABORATORY | 1 | FALL ONLY/ ALL YEARS |
| BI100 | ENVIRONMENTAL BIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BI100L | ENVIRONMENTAL BIOLOGY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH100 | INTRODUCTION TO INORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH100L | INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |
| CH101 | INTRODUCTION TO ORGANIC CHEMISTRY | 3 | FALL/SPRING/ ALL YEARS |
| CH101L | INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY | 1 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------|---------|---------------------------|
| AN101 | INTRODUCTION TO ANTHROPOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| CO210 | FUNDAMENTALS OF COMMUNICATION | 3 | FALL/SPRING/ ALL YEARS |
| ED201 | HUMAN GROWTH AND DEVELOPMENT | 3 | FALL/SPRING/ ALL YEARS |
| AL185 | HUMAN NUTRITION | 3 | FALL/SPRING/ ALL YEARS |

*EN-110,/111, MA-151, BI-124/L, BI-125/L, CH-100/L, CH-101/L, AN-101, PY-101, CO-210, AL-185 courses count for both **General Education** and Required Support Courses.*

Required Nursing Courses (64 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| NU300S | COMMUNICATION AND MENTAL HEALTH CONCEPTS | 3 | FALL ONLY/ ALL YEARS |
| NU306S | HEALTH ASSESSMENT | 2 | SPRING ONLY/ ALL YEARS |
| NU307S | HEALTH ASSESSMENT PRACTICUM | 1 | SPRING ONLY/ ALL YEARS |
| NU310 | PATHOPHYSIOLOGY | 3 | FALL ONLY/ ALL YEARS |
| NU324S | PROFESSIONAL NURSING | 3 | SPRING ONLY/ ALL YEARS |
| NU325S | PROFESSIONAL NURSING PRACTICUM | 3 | SPRING ONLY/ ALL YEARS |
| NU403 | COMMUNITY HEALTH NURSING PRACTICUM | 3 | FALL ONLY/ ALL YEARS |
| NU408 | PSYCHIATRIC MENTAL HEALTH NURSING | 3 | FALL ONLY/ ALL YEARS |
| NU409 | PSYCHIATRIC NURSING PRACTICUM | 2 | FALL ONLY/ ALL YEARS |
| NU412 | COMMUNITY HEALTH NURSING | 3 | FALL ONLY/ ALL YEARS |
| NU415 | INDEPENDENT NURSING PRACTICUM | 3 | SPRING ONLY/ ALL YEARS |
| NU416 | RESEARCH IN NURSING AND HEALTH SCIENCES | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------|---------|---------------------------|
| NU418 | LEADERSHIP IN NURSING | 3 | SPRING ONLY/ ALL YEARS |
| NU419 | LEADERSHIP IN NURSING PRACTICUM | 1 | SPRING ONLY/ ALL YEARS |
| NU420 | TRENDS IN NURSING | 2 | SPRING ONLY/ ALL YEARS |

Optional Elective Courses

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-----------------------------|
| NU344 | AGING: MYTH AND REALITIES | 3 | FALL ONLY/ ALL YEARS |
| NU112 | MEDICAL TERMINOLOGY | 2 | FALL/SPRING/ ALL YEARS |
| NU207B | PHARMACOLOGY IN NURSING | 2 | SPRING ONLY/ ALL YEARS |
| NU212 | EMPOWERMENT STRATEGIES FOR NURSING STUDENTS | 3 | FALL/SPRING/ ALL YEARS |
| NU214 | DOSAGE CALCULATION | 1 | FALL/SPRING/ AS REQUIRED |

And transition courses:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|------------------------|
| NU223 | CLINICAL MENTORSHIP | 1 | SUMMER/ SUMMER ONLY |
| NU323 | CLINICAL MENTORSHIP | 1 | SUMMER/ SUMMER ONLY |
| NU423 | CLINICAL MENTORSHIP | 1 | SUMMER |



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

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SOCIAL WORK PROGRAM

PROSPECTUS

The University of Guam offers a four-year professional educational program in social work leading to a Bachelor of Social Work (BSW) degree. The BSW is recognized by the National Association of Social Workers as the entry-level degree for the profession.

Through the integration of liberal arts education and the teaching of social work knowledge, values, and skills, the Bachelor of Social Work at the University of Guam prepares individuals to think critically, 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 and dignity of all humankind, to serve those in need, and to act with conviction in advancing the principles of social justice and human rights within the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.

Accreditation

The Bachelor of Social Work program at the University of Guam is the only Council on Social Work Education accredited baccalaureate program in the Western Pacific. The program was founded in 1980, attained candidacy status in 1999, and was granted initial accreditation in 2003. The program's accreditation was reaffirmed in 2007 and 2015, and it will seek reaffirmation again in 2023.

What is Social Work?

Social work is a practice-based profession and an academic discipline that promotes social change and development, social cohesion, and the empowerment and liberation of people. Principles of social justice, human rights, collective responsibility and respect for diversities are central to social work. Underpinned by theories of social work, social sciences, humanities and indigenous knowledges, social work engages people and structures to address life challenges and enhance well-being.

Relevance and Demand

The communities in Guam and other Micronesian islands experience many social problems, such as addictions,

poverty, high incidences of sexual abuse, teen pregnancy, homelessness, and more. While these problems are complex and require changes at the micro, mezzo, and macro levels of society, a UOG graduate with a social work degree can function as a change agent and advance solutions with individual people and communities.

Why UOG?

UOG social work faculty members have diverse personal, cultural, and professional backgrounds and are involved with local communities as well as European, Asian, American and global professional networks. Students are admitted in cohort systems and develop mutually supportive learning environments. Theories and interventions taught are relevant and appropriate for indigenous and immigrant cultures of UOG students.

Career Possibilities

Graduates of the UOG social work program are employed in different professional settings (government, nonprofit, and for-profit) and work with various populations (children, adolescents, adults, and elderly). They work with individuals and their families, collaborate with teams, organize and lead groups, develop treatment plans and write reports, and engage in research, program, and policy advocacy, initiatives, and developments.

Examples of employment agencies of UOG social work graduates include, but are not limited to, the following: Guam Behavioral Health & Wellness Center, Department of Public Health & 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.

Post-Graduate Studies

The UOG BSW program and the School of Social Work at the University of Hawaii developed a partnership that allows UOG social work graduates to earn an accredited Master of Social Work degree from the University of Hawaii in one year while maintaining residence in Guam. Students who are, in particular, interested in research and teaching for their careers can pursue doctoral degrees in social work or social welfare.

LEARNING OUTCOMES

Graduates of the BSW program demonstrate the integration and application of the following competencies:

1. Demonstrate ethical and professional behavior
2. Advance human rights and social, racial, economic, and environmental justice
3. Engage anti-racism, diversity, equity, and inclusion in practice
4. Engage practice-informed research and research-informed practice
5. Engage in policy practice
6. Engage with individuals, families, groups, organizations, and communities
7. Assess individuals, families, groups, organizations, and communities
8. Intervene with individuals, families, groups, organizations and communities
9. Evaluate practice with individuals, families, groups, organizations and communities

ADMISSION

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 Principles of 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 documents.

Applications for advancement to BSW student status are accepted annually in April. Upon receipt of applications with all necessary documents, the social work faculty reviews applications and notifies applicants by letter of the faculty's decisions regarding admissions. Students must be advanced to BSW student status in order to take SW330 Generalist Social Work Practice Methods Overview. Social work application forms can be downloaded from the School of Health webpage on the UOG website.

ADVISEMENT

Academic advisers assist students throughout their educational careers as they become competent entry-level social workers. The adviser monitors student progress, provides consultation in planning a course of study, and assists in problem solving with regard to both classroom and field coursework. The faculty adviser serves as an "anchor person" with whom students may confer regarding any program-related problem or question. In general, the chair of the Division of Social Work advises pre-BSW students and other program faculty advise BSW students.

To get connected with an adviser, visit the [Academic Advisement](#) section of the Catalog.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

| Description | Credit Hours |
|---------------------------|--------------|
| Social Sciences Courses | 15 |
| Statistics Course | 3 |
| Social Work Courses | 50 |
| Elective Courses | 6 |
| Total Credit Hours | 74 |

Note: The University of Guam requires a minimum of 124 credit hours for graduation.

Social Science Courses (15 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------|---------|---------------------------|
| PY101 | GENERAL PSYCHOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| SO101 | INTRODUCTION TO SOCIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| BA110 | PRINCIPLES OF ECONOMICS | 3 | FALL/SPRING/ ALL YEARS |

In addition, 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 (3 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------|---------|---------------------------|
| MA151 | INTRODUCTORY STATISTICS | 3 | FALL/SPRING/ ALL YEARS |

Note: These courses may count toward General Education requirements and toward the major in CHamoru Studies.

Social Work Courses (50 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| SW201 | SOCIAL WELFARE AND DEVELOPMENT: GLOBAL CHALLENGES | 3 | FALL/SPRING/ ALL YEARS |
| SW313 | RESEARCH METHODS FOR HEALTH AND SOCIAL SERVICES | 3 | SPRING ONLY/ ALL YEARS |
| SW330 | Generalist Social Work Practice Methods AND OVERVIEW | 3 | FALL ONLY/ ALL YEARS |
| SW331 | GENERALIST SOCIAL WORK PRACTICE METHODS WITH GROUPS | 3 | SPRING ONLY/ ALL YEARS |
| SW332 | GENERALIST SOCIAL WORK PRACTICE METHODS WITH ORGANIZATIONS AND COMMUNITIES | 3 | FALL ONLY/ ALL YEARS |
| SW333 | GENERALIST SOCIAL WORK PRACTICE METHODS INDIVIDUALS AND FAMILIES | 3 | SPRING ONLY/ ALL YEARS |
| SW345 | SOCIAL JUSTICE | 3 | FALL ONLY/ ALL YEARS |
| SW350 | HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I | 3 | FALL ONLY/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| SW351 | HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II | 3 | SPRING ONLY/ ALL YEARS |
| SW406 | SOCIAL POLICY | 3 | FALL ONLY/ ALL YEARS |
| SW408 | ADVOCACY FOR SOCIAL JUSTICE | 3 | SPRING ONLY/ ALL YEARS |
| SW410 | SOCIAL WELFARE AND SOCIAL DEVELOPMENT IN MICRONESIA | 3 | FALL ONLY/ ALL YEARS |
| SW460 | BEHAVIORAL HEALTH PRACTICE FOR SOCIAL WORKERS | 3 | FALL ONLY/ ALL YEARS |
| SW480 | FAMILY VIOLENCE | 3 | SPRING ONLY/ ALL YEARS |
| SW485A | FIELD INSTRUCTION | 4 | FALL ONLY/ ALL YEARS |
| SW485B | FIELD INSTRUCTION | 4 | SPRING ONLY/ ALL YEARS |

Elective Courses (6 credits)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| SW344 | AGING: MYTH & REALITIES | 3 | FALL ONLY/ ALL YEARS |
| SW355 | HUMAN SEXUALITY | 3 | SPRING ONLY/ ALL YEARS |
| SW400 | FIELDS OF SOCIAL WORK PRACTICE | 3 | FALL/SPRING/ ALL YEARS |

Note: Due to the nature of the course, SW400 Fields of Social Work Practice can be taken more than once.

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ROBERT F. KENNEDY MEMORIAL LIBRARY

LIBRARY SCIENCE PROGRAM

OVERVIEW

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 (<https://gcec.guam.gov>) for current requirements.

REQUIREMENTS

MINOR AND CERTIFICATION IN LIBRARY SCIENCE REQUIREMENTS (24 CREDIT HOURS)

Required Courses (15 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| LS312 | SCHOOL LIBRARY/MEDIA ADMINISTRATION | 3 | SPRING ONLY/ ODD YEARS |
| LS315 | REFERENCE AND INFORMATION SOURCES AND SERVICES | 3 | SPRING ONLY/ EVEN YEARS |

Elective Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| LS314 | SCHOOL LIBRARY METHODS: TEACHING AND LEARNING IN THE SCHOOL LIBRARY | 3 | FALL ONLY/ ODD YEARS |
| LS451 | AUDIO VISUAL EDUCATION | 3 | FALL/SPRING/ ALL YEARS |
| LS452 | COMPUTERS IN EDUCATION | 3 | FALL ONLY/ ALL YEARS |
| LS453 | MULTIMEDIA MATERIALS AND SERVICES | 3 | FALL ONLY/ EVEN YEARS |

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COURSE INFORMATION

COURSE LISTINGS

COURSE NUMBERING SYSTEM

GENERAL CLASS-LEVEL DESIGNATIONS

| Credit Hours | Class-Level |
|--------------|-----------------|
| 0-099 | Non-Degree Unit |
| 100-199 | Freshman |
| 200-299 | Sophomore |
| 300-399 | Junior |
| 400-499 | Senior |
| 500-699 | Graduate |

SPECIAL COURSE DESIGNATIONS

- 1.-90 Series: Special Projects.** Courses for individual students, including problems, special studies, and individual research.
- 2.-91 Series: Seminar Courses.** Courses in which the burden of research and preparation is on the students and class activity is discussion-oriented.
- 3.-92 Series: Practicum Courses.** Guided work experience supervised by a qualified professor or project director to whom the student reports at regular intervals.
- 4.-93 Series: Workshops.** Courses administered by a group of specialists and dealing with various applied aspects of a discipline.
- 5.-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).

6.-95 Series: Thesis. Independent research culminating in a major research paper or project (e.g., Senior Thesis, Master's Thesis).

7.-96 Series: Creative Thesis (Art Program only). Independent creative work culminating in an original exhibition.

8.-97 Series: Comprehensive Exam. This a zero-credit C/NC course for students in programs requiring comprehensive or nationally standardized exams or other capstone requirements.

9.-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.

10.-99 Series: Independent Reading. A course of directed readings in a designated field or topic.

1000-level courses. The 800 series of courses are post-baccalaureate, professional development courses for teachers. Admission requirements are:

- proof of a bachelor's degree and
- proof of present employment as a teacher.

12. 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 PROJECT & THESIS COURSES

UNDERGRADUATE

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.

| Course Numbers | Description |
|--------------------|---------------------|
| 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.

GRADUATE

Students enrolling for 590 or 690 course credits must complete "Special Project" course forms available from the Professional & International Programs Office. Students must take the form to the faculty member offering the course. The faculty member will assist in completing the form and sign the form. After obtaining the other required signatures, the formal registration and payment of required fees for these courses shall take place. If the course is to be used for graduation requirements, grades

must be submitted by the instructor on the required deadline. In addition, the required contact hours must also be met between the student and the instructor for academic credit. No more than nine credit hours of 590 and 690 course work can be accumulated toward graduate degree requirements. All other rules and regulations apply.

Students who have been accepted to graduate status may register for Special Project and Internship Courses through the ninth week of a regular semester or the third week of a finakpo' (June–Aug.) term. Graduate students must register for all other courses during regularly scheduled registration periods or drop/add periods.

CONFERENCE COURSES

UNDERGRADUATE

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.

GRADUATE

Conference courses are courses described in this catalog but not listed on the official semester or term class schedule. A graduate student may enroll and study privately with the professor if the advisor, instructor, graduate program chair, appropriate academic dean or director approve the justification for such enrollment. A conference course will not be approved if the course already appears on the regular schedule of classes.

Application forms for a conference course can be obtained from the Professional & International Program Office. Students must first have the forms approved by the instructor. After obtaining the required signatures, the formal registration and payment of required fees for these courses shall take place. If the course is to be used for graduation requirements, grades must be submitted by the instructor on the required deadline. In addition, the required contact hours must also be met between the student and the instructor for academic credit. All other rules and regulations apply.

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 Engineering | 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 |
| 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 |

| Subject | Abbreviation | School / College |
|--------------------------|--------------|------------------|
| Military Science | MSL | CNAS |
| Modern Languages: | | |
| • 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 |

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AGRICULTURE AND LIFE SCIENCES (AL)

AL 101 INTRODUCTION TO AGRICULTURE

FALL/SPRING/ALL YEARS

3 credit hours

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. Prerequisite: MA085 or higher. Corequisite: Enrollment in AL101L a three hour laboratory class.

AL 101L INTRODUCTION TO AGRICULTURE LAB

FALL/SPRING/ALL YEARS

1 credit hour

AL101L is the laboratory portion of AL101 and MUST be taken concurrently with lecture course. Prerequisite: MA085a-b or MA089 or higher. Corequisite: AL101.

AL 102 INTRODUCTION TO PLANT SCIENCE

FALL/SPRING/ALL YEARS

3 credit hours

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 the equivalent of three hours of lecture weekly. Prerequisites: MA085a-b or MA089 or higher. Corequisite: AL102L. DISTANCE EDUCATION This online course is an introduction to the study of living plants and their relationship to the environment. Topics include plant cells, tissues, growth, reproduction, metabolism, genetics, classification, and evolution. The course focuses on the impact of light, temperature, soil and other environmental components on plant growth. Lab experiments will illustrate basic principles of plant biology. The lecture and exams will be available online. There will be 3 hours of lab weekly in the classroom. Corequisite: AL102L. Prerequisites: MA 085a-b or MA089 or higher.

AL 102L INTRODUCTION TO PLANT SCIENCE LAB

FALL/SPRING/ALL YEARS

1 credit hour

AL102L is the laboratory portion of AL102 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: MA085a-b or MA089 or higher. Corequisite: AL102

AL 109 INSECT WORLD

FALL ONLY/EVEN YEARS

3 credit hours

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. Lab is geared toward identifying common insects and experimentally examining aspects of insect biology. Concurrent enrollment in AL109 and AL109L is required. Prerequisite: MA085a-b or MA089 or higher.

AL 109L INSECT WORLD LAB

FALL ONLY/EVEN YEARS

1 credit hour

AL109L is the laboratory portion of AL109 and MUST be taken concurrently with lecture course. Prerequisite: MA085 a-b or MA089 or higher.

AL 130 INTRO TO SCIENCE FOR EDUCATORS

SPRING ONLY/EVEN YEARS

3 credit hours

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 INTRO TO SCIENCE FOR EDUCATORS' LAB

SPRING ONLY/EVEN YEARS

1 credit hour

This is a one-semester course in general science as an introduction to science education and covers scientific inquiry, earth and space sciences, life sciences and physical sciences. This course is the laboratory section taken concurrently with the lecture section. Prerequisites: MA115. Corequisite: AL130.

AL 136 SCIENCE OF AQUACULTURE

SPRING ONLY/ALL YEARS

3 credit hours

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 AL136 and AL136L concurrently. Three hours of lecture and three hours of lab (AL136L) weekly. Prerequisites: MA085 a-b or MA089 or higher.

AL 136L SCIENCE OF AQUACULTURE LAB

SPRING ONLY/ALL YEARS

1 credit hour

AL136L is the laboratory portion of AL136 and MUST be taken concurrently with lecture course. Prerequisites: MA085a-b or MA089 or higher.

AL 140 SCIENTIFIC PRINCIPLES OF FOOD PREPARATION

FALL ONLY/ALL YEARS

3 credit hours

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: MA085 a-b or MA089 and EN109. Corequisite: AL140L.

AL 140L SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB

FALL ONLY/ALL YEARS

1 credit hour

This is the laboratory portion of AL140 and MUST be taken concurrently with lecture course. Includes three hours of lecture and three hours of lab weekly. Prerequisite: MA085 a-b or MA089 and EN109. Corequisite: AL140.

AL 185 HUMAN NUTRITION

FALL/SPRING/ALL YEARS

3 credit hours

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 INTRODUCTION TO ANIMAL SCIENCE

FALL ONLY/ALL YEARS

3 credit hours

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: AL211L, the three hours of laboratory companion course. Prerequisite: MA085 a-b or MA089 or higher, and BI157-157L or AL101.

**AL 211L INTRODUCTION TO ANIMAL SCIENCE
LAB**

FALL ONLY/ALL YEARS

1 credit hour

AL211L is the laboratory portion of AL211 and **MUST** be taken concurrently with lecture course. Prerequisite: MA085a-b or MA089 or higher, and BI157-157L or AL101-101L. Corequisite: AL211.

**AL 281 PRINCIPLES OF HORTICULTURAL
SCIENCE**

SPRING ONLY/ALL YEARS

3 credit hours

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. AL281L is the laboratory portion of AL281 and **MUST** be taken concurrently. Prerequisite: MA115 or higher and AL102 or BI157 or BI158. Co-requisite: AL281L.

**AL 281L PRINCIPLES OF HORTICULTURAL
SCIENCE LAB**

SPRING ONLY/ALL YEARS

1 credit hour

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. AL281L is the laboratory portion of AL281 and **MUST** be taken concurrently. Prerequisite: MA115 or higher, AL101 AL101L and AL102 AL102L or BI157 BI157L or BI158 BI158L. Corequisite: AL281.

AL 300 FOOD PROCESSING TECHNOLOGY

FALL ONLY/ODD YEARS

3 credit hours

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: AL101, AL101L, AL140, AL185 and BI225-BI225L. Corequisite: AL300L.

AL 300L FOOD PROCESSING TECHNOLOGY LAB

FALL ONLY/ODD YEARS

1 credit hour

AL300L is the laboratory portion of AL300 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: AL101, AL101L, AL140, AL185, and BI225-BI225L. Corequisite: AL300.

AL 309 YOUTH AT RISK

FALL ONLY/ODD YEARS

3 credit hours

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. Pre requisites: PY101 or SO101 or consent of instructor.

**AL 311 PRINCIPLES OF AGRICULTURAL
ENGINEER**

AS REQUIRED
3 credit hours

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 AL311 and AL311L is required. Prerequisite: MA161a or higher. Corequisite: AL311L.

**AL 311L PRINCIPLES OF AGRICULTURAL
ENGINEER LAB**

AS REQUIRED
1 credit hour

AL311L is the laboratory portion of AL311 and MUST be taken concurrently with lecture course. Prerequisite: MA161a or higher.

**AL 321 HORTICULTURAL PLANT ID AND
PROPAGATION**

FALL ONLY/EVEN YEARS
3 credit hours

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 application 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 AL321L is required.

**AL 321L HORTICULTURAL PLANT ID AND
PROPAGATION LAB**

FALL ONLY/EVEN YEARS
1 credit hour

AL321L (1) is the laboratory portion of AL321 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: AL281. Corequisite: AL321.

AL 323 PLANT PATHOLOGY

FALL ONLY/EVEN YEARS
3 credit hours

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 AL323L is required. Prerequisites: AL101/L and AL102/L or BI157/L and BI158/L.

AL 323L PLANT PATHOLOGY LAB

FALL ONLY/EVEN YEARS
1 credit hour

This is the laboratory course for AL323. Concurrent enrollment in AL323 is required. This course meets for three hours of laboratory weekly. Prerequisites: AL101/L and AL102/L OR BI157/L and BI158/L.

**AL 330 NUTRITION THROUGHOUT THE
LIFESPAN**

FALL ONLY/ALL YEARS
3 credit hours

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. Pre requisite: AL185. ED201 recommended.

AL 335 NUTRITION FOR HEALTH, FITNESS AND SPORT

SPRING ONLY/ALL YEARS

3 credit hours

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: BI157-157L and BI158-158L, or BI124-124L and BI125-125L with grade of C or better, and AL185.

AL 340 PEST MANAGEMENT

SPRING ONLY/ODD YEARS

3 credit hours

A capstone agriculture course that draws from the student'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. AL340L is the laboratory portion of AL340 and MUST be taken concurrently. Corequisite: AL340L. Prerequisites: AL281. Suggested courses but not required are biology, entomology, plant pathology and plant identification.

AL 340L PEST MANAGEMENT LAB

SPRING ONLY/ODD YEARS

1 credit hour

AL340L is the laboratory portion of AL340 and MUST be taken concurrently with lecture course.

AL 342 FOOD SAFETY AND SANITATION

SPRING ONLY/ODD YEARS

3 credit hours

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: BI157-157L and BI158-158L, or BI124-124L and BI125-125L or consent of instructor.

AL 345 GENERAL ENTOMOLOGY

FALL ONLY/ODD YEARS

3 credit hours

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/BI345L is required. Prerequisites: BI157/L or AL109/L or AL281/L.

AL 345L GENERAL ENTOMOLOGY LABORATORY

FALL ONLY/ODD YEARS

1 credit hour

This course is a corequisite of AL/BI345 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: BI157/L or AL109/L or AL281/L. Corequisite: AL/BI345.

**AL 351 PERSONAL AND FAMILY FINANCIAL
MANAGEMENT**

FALL ONLY/ALL YEARS

3 credit hours

Information is presented to understand the role of family 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: MA110 or higher.

AL 380 PRINCIPLES OF SOIL SCIENCE

FALL ONLY/ALL YEARS

3 credit hours

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: MA115 or higher and any two chemistry courses and concurrent enrollment in AL/NS380L is required.

**AL 380L PRINCIPLES OF SOIL SCIENCE
LABORATORY**

FALL ONLY/ALL YEARS

1 credit hour

This course is a corequisite of AL/NS380 and MUST be taken concurrently. The course meets for three hours of laboratory weekly. Prerequisites: MA115 or higher and any two chemistry courses.

AL 389 EXTENSION PROGRAMS & PLANNING

SPRING ONLY/ALL YEARS

3 credit hours

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: EN111 and PY101 or SO101 or consent of instructor.

**AL 392 LABORATORY TEACHING
ASSISTANTSHIP**

FALL/SPRING/ALL YEARS

1 credit hour

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 401 COMMUNITY PLANNING

AS REQUIRED

3 credit hours

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. Emphasis is on helping village communities understand the special circumstances related to growth and development pressures. Prerequisite: SO101.

AL 423 PLANT DISEASE CLINIC**AS REQUIRED**

3 credit hours

This course expands on the content knowledge and laboratory techniques introduced in AL323/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. Corequisite: AL423L. Prerequisite: AL323/L or consent of instructor.

AL 423L PLANT DISEASE CLINIC LABORATORY**AS REQUIRED**

1 credit hour

This is the laboratory section of AL423. Concurrent enrollment in AL423 and AL423L is required. Course meets for three hours of laboratory weekly. Prerequisite: AL323/L or consent of instructor.

AL 430 SCIENTIFIC PHOTOGRAPHY**SPRING ONLY/EVEN YEARS**

3 credit hours

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/BI430L is the laboratory portion of AL/BI430 and MUST be taken concurrently. Prerequisites: BI158/158L or AL281. Corequisite: AL/BI430L.

**AL 430L SCIENTIFIC PHOTOGRAPHY
LABORATORY****SPRING ONLY/EVEN YEARS**

1 credit hour

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/BI430L is the laboratory portion of AL/BI430 and MUST be taken concurrently. Prerequisite: BI158/158L OR AL281. Corequisite: AL/BI430.

AL 439 COMMUNITY NUTRITION**SPRING ONLY/ODD YEARS**

3 credit hours

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: AL185 and AL330 or consent of instructor. ED300 recommended.

AL 439G COMMUNITY NUTRITION**SPRING ONLY/ODD YEARS**

3 credit hours

This course applies knowledge gained from nutrition across the lifespan to nutrition education. Concepts in nutrition education, community programming, and public health are introduced. It is designed for the student who desires to promote health and nutrition with community groups using community nutrition concepts and strategies. Students taking this course for graduate credit will have additional requirements. Prerequisites: AL330 or consent of instructor. ED300 recommended, not required.



AL 443 TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE

SPRING ONLY/ODD YEARS

3 credit hours

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. AL443L/G is the laboratory portion of AL443/G and MUST be taken concurrently. Prerequisites: MA161a, AL211, AL281, or consent of instructor. Corequisite: AL443L/G.

AL 443G TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE

SPRING ONLY/ODD YEARS

3 credit hours

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 utility in agricultural operation 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. AL443L/G is the laboratory portion of AL443/G and MUST be taken concurrently. Corequisite: AL443L/G. Prerequisites: MA161A, AL211, AL281 or consent of instructor.

AL 443L TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY

SPRING ONLY/ODD YEARS

1 credit hour

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. AL443L/G is the laboratory portion of AL443/G and MUST be taken concurrently. Prerequisites: MA161a, AL211, AL281, or consent of instructor. Corequisite: AL443/G.

AL 443L/G TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY

SPRING ONLY/ODD YEARS

1 credit hour

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. AL443L/G is the laboratory portion of AL443/G and MUST be taken concurrently. Corequisite: AL443/G. Prerequisites: MA161a, AL211, AL281, or consent of instructor.

AL 445 FOOD CHEMISTRY

SPRING ONLY/EVEN YEARS

3 credit hours

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: BI157/157L and BI158/158L or CH102/102L and CH103/103L. Corequisite: AL445L.

AL 445G FOOD CHEMISTRY

SPRING ONLY/ODD YEARS

3 credit hours

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: BI157/157L and BI158/158L or CH102/102L and CH103/103L. Corequisite: AL445G/L.

AL 445G/L FOOD CHEMISTRY LABORATORY

SPRING ONLY/EVEN YEARS

1 credit hour

AL445L is the laboratory portion of AL445 and MUST be taken concurrently. The course consists of lab activities of using various analytical methods to analyze food constituents and determine functional properties and stability of food components. Prerequisite: BI157/157L and BI158/158L or CH102/102L and CH103/103L.

Corequisite AL445G.

AL 445L FOOD CHEMISTRY LABORATORY

SPRING ONLY/EVEN YEARS

1 credit hour

AL445L is the laboratory portion of AL445 and MUST be taken concurrently. The course consists of lab activities of using various analytical methods to analyze food constituents and determine functional properties and stability of food components. Prerequisite: BI157/157L and BI158/158L or CH102/102L and CH103/103L.

Corequisite AL445.

AL 450 FAMILY RESOURCES

SPRING ONLY/ODD YEARS

3 credit hours

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: BA110, and PY101 or SO101 or consent of instructor.

**AL 451 AGRICULTURAL BUSINESS
MANAGEMENT**

SPRING ONLY/ODD YEARS

3 credit hours

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: MA115 or higher and AL351 or BA110.

**AL 451G AGRICULTURAL BUSINESS
MANAGEMENT**

SPRING ONLY/ODD YEARS

3 credit hours

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: MA115 or higher and AL351 or BA110.

AL 455 NUTRITIONAL ASSESSMENT

SPRING ONLY/ODD YEARS

3 credit hours

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: AL330.

AL 455G NUTRITIONAL ASSESSMENT

SPRING ONLY/ODD YEARS

3 credit hours

An in-depth survey and hands-on experience of methods used in the assessment of food and nutrient intakes to include nutritional status of communities, groups, and individuals in both health and disease. Prerequisites: AL330.

AL 460 ADVANCED HUMAN NUTRITION

FALL ONLY/EVEN YEARS

4 credit hours

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: BI157/157L and BI158/158L, or BI124/124L and BI125/125L with grade of C or better; CH101; and AL445 or instructor's consent.

AL 460G ADVANCED HUMAN NUTRITION

FALL ONLY/EVEN YEARS

4 credit hours

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: CH310a; BI157, BI157L and BI158, BI158L, or BI124-124L and BI125-125L with grade of C or better; and AL445, or instructor consent.

AL 470 NUTRITION EDUCATION AND COUNSELING

FALL ONLY/ODD YEARS

3 credit hours

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. Pre-requisites: AL455 and AL439.

AL 475 MEDICAL NUTRITION THERAPY

SPRING ONLY/EVEN YEARS

3 credit hours

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: AL185 and AL455, or instructor consent.

AL 481 ENVIRONMENTAL SOIL SCIENCE

SPRING ONLY/ODD YEARS

3 credit hours

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 AL481L is required. Prerequisites: AL/NS380 and MA161a or higher.

AL 481G ENVIRONMENTAL SOIL SCIENCE

SPRING ONLY/ODD YEARS

3 credit hours

This course uses the principles of soil science with practical demonstrations to study the relationships among contemporary agriculture, natural resources and the environment. It gives an overview of management techniques for erosion control and soil and water conservation with focus on rill and interrill erosion. This course also discusses non-point source pollution and control practices involving disposal of organic wastes on agricultural and forestlands. This course will also equip students with skills useful for environmental assessment and soil contaminants analysis. Techniques used for bioremediation of contaminated soils and how soil can be managed to filter out contaminants will be introduced. The course has three hours of lecture and three hours of laboratory per week. Prerequisites: AG380, MA161a and two Chemistry Courses (CH102, CH103) or BI100

**AL 481L ENVIRONMENTAL SOIL SCIENCE
LABORATORY**

SPRING ONLY/ODD YEARS

1 credit hour

This is the laboratory section of AL481. Concurrent enrollment in AL481 is required. This course meets for three hours of laboratory weekly. Prerequisites: AL/NS380 and MA161a or higher.

**AL 481L/G ENVIRONMENTAL SOIL SCIENCE
LABORATORY**

SPRING ONLY/ODD YEARS

1 credit hour

This is the laboratory section of AL481. Concurrent enrollment in AL481 is required. This course meets for three hours of laboratory weekly. Prerequisites: AL/NS380 and MA161a or higher.

AL 484 TROPICAL VEGETABLE PRODUCTION

SPRING ONLY/ODD YEARS

3 credit hours

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: AL281 and other plant science or biology courses. Corequisite AL484L.

**AL 484L TROPICAL VEGETABLE PRODUCTION
LAB**

SPRING ONLY/ODD YEARS

1 credit hour

This course is a laboratory portion of the tropical vegetable production course. Prerequisite: AL281 and other plant science or biology courses. Corequisite AL484.

AL 485 TROPICAL FRUITS HORTICULTURE

SPRING ONLY/EVEN YEARS

3 credit hours

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 AL485L is required. Prerequisite: AL281.

**AL 485L TROPICAL FRUITS HORTICULTURE
LABORATORY**

SPRING ONLY/EVEN YEARS

1 credit hour

This course is the laboratory section of AL485. The course meets for three hours laboratory weekly. Concurrent enrollment in AL485 is required. Prerequisite: AL281.

AL 486 ORNAMENTAL CROP PRODUCTION IN THE TROPICS

SPRING ONLY/ODD YEARS

3 credit hours

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 AL486L is required. Prerequisite: AL281.

AL 486L ORNAMENTAL CROP PRODUCTION IN THE PACIFIC LABORATORY

SPRING ONLY/ODD YEARS

1 credit hour

AL486L is the laboratory portion of AL486 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: AL281. Corequisite: AL486.

AL 490 SPECIAL PROJECTS

FALL/SPRING/ALL YEARS

2 - 3 credit hours

The ALS Special Project course is a pre-requisite course to the AL499 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. Jr/Sr standing AND Consent of Instructor. Prerequisites: EN111, CO210 and AL281 or AL330.

AL 498 INTERNSHIP

FALL/SPRING/ALL YEARS

2 - 3 credit hours

The ALS Internship course is a pre-requisite course to the AL499 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; a maximum of 4 credit hours may be applied to the ALS degree. Prerequisites: EN111, CO210 and AL281 or AL330.

AL 499 CAPSTONE SEMINAR

FALL/SPRING/ALL YEARS

3 credit hours

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 Projects experience. Students complete 1.5 hrs of directed activities and 1.5 hrs of independent work weekly. Prerequisites: AL490 or AL498.

AL 505 NUTRITIONAL EPIDEMIOLOGY

SPRING ONLY/ODD YEARS

3 credit hours

This is a 3-credit course that explores the complex relationships between diet and the major diseases of Western civilization, such as cancer and atherosclerosis. Topics that will be covered include: research strategies in nutritional epidemiology; methods of dietary assessment (using data on food intake, biochemical indicators of diet, and measures of body size and composition); reproducibility and validity of dietary assessment methods; nutrition surveillance; and diet-disease associations. Prerequisites: BI/EV507.

AL 536 ADVANCES IN SUSTAINABLE AQUACULTURE

FALL ONLY/ODD YEARS

3 credit hours

This course is intended to cover the recent advance in sustainable aquaculture research, development and application, including culture system, aquaculture nutrition, reproductive biology, genetic selective breeding, health management, production techniques, aquatic environmental management, seafood processing technology, off commercially important aquaculture species. It is also designed to provide in-depth knowledge of the molecular techniques currently used in aquaculture research, with emphasis on some applications in developing a sustainable aquaculture in the tropical regions. Prerequisite: AL136 or consent of instructor.

AL 539 PUBLIC HEALTH NUTRITION

FALL ONLY/ODD YEARS

3 credit hours

This course covers farm animal products and provides a general overview of the livestock and poultry industry, relative to biological concepts such as genetics, nutrition, reproduction and disease prevention. This includes biotechnology along with environmental challenges. Prerequisites: AL439/G and AL430.

AL 542 ADVANCED FOOD SAFETY

FALL ONLY/EVEN YEARS

3 credit hours

This course covers biological, chemical, and physical agents of foodborne diseases and provides a farm-to-fork perspective overview of food safety, including the fundamental principles, laboratory and analytical methods, risk assessment and hazard analysis, safe operations and technology, and food safety topics, issues, and regulations. Prerequisites: BI157, BI-157L, BI158, BI158L, BI124, BI124L, BI125, BI125L, BI110, BI110L, BI225, BI225L and AL342.

AL 563 MGMT & RECYCLING OF ORGANIC WASTE

FALL ONLY/ODD YEARS

3 credit hours

This course focuses on various management practices and technologies dealing with handling, storage, and conversation of animal waste and plant by-products to useful energy, animal feed, and fertilizer. Recycling and processing methods such as drying rendering, composting, fermentation, extruding, and bio-gas production are also covered. Prerequisites: consent of instructor. This course focuses on various management practices and technologies dealing with handling, storage, and conversion of animal waste and plant by-products to useful energy, animal feed, and fertilizer. Recycling and processing methods such as drying, rendering, composting, fermentation, extruding, and bio-gas production are also covered. Prerequisites: consent of instructor.

AL 566 AGROECOLOGY FOR ISLAND SUSTAINABILITY

SPRING ONLY/EVEN YEARS

3 credit hours

Agroecology is the science of applying ecological concepts and principles to the design and management of sustainable food/agricultural production systems. The lecture topics include comparing structural and functional differences between natural ecosystems and agroecosystems with an emphasis on the tropical islands. The students study the resource-conservation and diversification of plant materials for agricultural sustainability. This course is offered to graduate students who have interested in studying plant, soil, and natural resource science, environmental science, agricultural and food bio-security, socio- and human ecology and general biological sciences. This course includes three hours of lecture weekly. Prerequisite: BI100 or AL101 or AL102, or consent of instructor.



AL 570 SUSTAINABLE ANIMAL PRODUCTION SYSTEMS

SPRING ONLY/ALL YEARS

3 credit hours

This course covers farm animal products and provides a general overview of the livestock and poultry industry, relative to biological concepts such as genetics, nutrition, reproduction and disease prevention. This includes biotechnology along with environmental challenges.

Prerequisites: BI157, BI157L and AL185.

AL 581 PRINCIPLE OF PLANT NUTRITION

SPRING ONLY/EVEN YEARS

3 credit hours

This course covers plant metabolism and the assimilation of nutrients, their functions in plant and their contributions to plant growth and crop production. The course presents a wide range of topics which cut across the boundaries of soil sciences, plant physiology and biochemistry, as well as some of the ecological conditions pertaining to the tropical and humid environments. Prerequisites: CH102 and CH103.

AL 594 CANCER HEALTH DISPARITIES

FALL ONLY/ALL YEARS

3 credit hours

This course explores and examines how social, cultural, historic, biologic, economic, environmental, and lifestyle factors contribute to differences in outcomes across the cancer continuum among racial and ethnic minorities and the medically underserved. This course provides core grounding in understanding why cancer health disparities exist and persist and explore approached for advancing cancer health equity. The course draws heavily from the experience of clinical practitioners, researchers, administrators, public health professionals and community-based organizations to provide real-world examples of prioritizing cancer health equity in both research and practice.

AL 595 SCIENTIFIC WRITING AND LITERATURE

FALL ONLY/ALL YEARS

2 credit hours

AL 689 Internship for Aquaculture

2 - 3 credit hours

AL 691 SEMINAR AND CURRENT TOPICS

SPRING ONLY/ALL YEARS

1 credit hour

This course is graduate seminar course that combines formal student presentations with invited presentations by faculty and community members involved with agriculture and life sciences and related subjects. The course consists of 1-hour sessions each week throughout the semester.

AL 692 TEACHING/RESEARCH ASSISTANTSHIP

FALL/SPRING/ALL YEARS

1 credit hour

This course provides practical educational experience in graduate Sustainable Agriculture, Food, and Natural Resources' courses. PREREQUISITE: INSTRUCTOR'S CONSENT.

AL 695 THESIS

FALL/SPRING/ALL YEARS

1 - 6 credit hours

The ALS 695 Thesis course is a final course of the SAFNR graduate program. This course is designed to give the student field and research experience within the UOG Research and Extension framework to complete and defend Thesis work. UOG faculty-directed projects are designed for individual students. The student is required to complete two 3-credit courses (i.e. 135 hours for 3 credits) directed research during their last two semesters. Prerequisite: Instructor's consent.

AL 698 INTERNSHIP IN SUSTAINABLE AGRICULTURE, FOOD AND NATURAL RESOURCES

FALL/SPRING/ALL YEARS

1 - 3 credit hours

The internship course provides students with opportunities to work in the academic and professional areas of their interest under the supervision of the expert in the field. For the internship course, a AL698 Student Contract Form needs to be signed by Student, Course Instructor, Student's Advisor, Chair of the graduate program, Dean of the college, and Supervisor of the participating party such as another academic institution, a government agency, a private business, or a non-profit organization engaged in activities that relate to sustainable agriculture, food, nutrition, and natural resources. Each credit (1 credit) requires 40 hours of job training per semester and the 3-credit internship course requires 120 hours. Students may take up to a maximum of six credit hours for completion of the program.

ANTHROPOLOGY (AN)

AN 101 INTRODUCTION TO ANTHROPOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

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 INTRODUCTION TO ARCHAEOLOGY

FALL ONLY/ALL YEARS

3 credit hours

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 CULTURAL ANTHROPOLOGY

FALL ONLY/ALL YEARS

3 credit hours

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 BIOLOGICAL ANTHROPOLOGY

AS REQUIRED

4 credit hours

(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 LINGUISTIC ANTHROPOLOGY LINGUISTIC ANTHROPOLOGY

FALL ONLY/ALL YEARS

3 credit hours

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 PEOPLE OF THE PACIFIC

SPRING ONLY/ALL YEARS

3 credit hours

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 VISUAL ANTHROPOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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 341 CULTURAL ECOLOGY

FALL ONLY/ODD YEARS

3 credit hours

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 344 AGING: MYTH AND REALITIES

FALL ONLY/ALL YEARS

3 credit hours

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 SPECIAL TOPICS

FALL/SPRING/ALL YEARS

3 credit hours

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 370 PRESERVING CULTURAL HERITAGE

SPRING ONLY/ALL YEARS

3 credit hours

What is "cultural heritage"? What does it encompass? Do we need to preserve these things? How? Why? Using examples from different parts of the world, as well as in Micronesia and Guam, this course aims to give students a critical understanding of heritage conservation from an anthropological perspective. The course will introduce basic concepts and cultural contexts of the occurrence and development of cultural heritage conservation, and discuss important issues in this field, including the economic, social and political meanings of heritage in contemporary societies, the impetus of preserving heritage, and the use of heritage as a social and political implement by the state, scholars, and different communities for their own interests.



AN 381 ASIA-PACIFIC MARITIME ARCHAEOLOGY

SPRING ONLY/ALL YEARS
3 credit hours

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 RESEARCH METHODS IN ANTHROPOLOGY

FALL ONLY/ALL YEARS
3 credit hours

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 CROSS-CULTURAL & SOCIOLOGICAL PROBLEMS OF GUAM & MICRONESIA

SPRING ONLY/ODD YEARS
3 credit hours

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 ADVANCED FIELD METHODS IN ARCHAEOLOGY

AS REQUIRED
3 - 6 credit hours

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 for credit if content is different.

AN 498 INTERNSHIP IN ANTHROPOLOGY

FALL/SPRING/ALL YEARS
4 credit hours

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)

AR 101 INTRODUCTION TO ART

FALL/SPRING/ALL YEARS
3 credit hours

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 STUDIO FOR NON-MAJORS

FALL/SPRING/ALL YEARS

3 credit hours

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 DRAWING I

FALL/SPRING/ALL YEARS

3 credit hours

This course develops the student's visual perception and his or her ability to make a visual statement through various drawing media.

AR 104 BASIC DESIGN

FALL ONLY/ALL YEARS

3 credit hours

Basic Design is an introduction to the principles and elements of two-dimensional visual organization.

AR 203 DRAWING II

SPRING ONLY/ALL YEARS

3 credit hours

Drawing II provides additional experience in drawing with emphasis on the ability to interpret visual forms in a creative and individualized manner. Prerequisite: AR103 or consent of instructor.

AR 204 3-DIMENSIONAL DESIGN

SPRING ONLY/ODD YEARS

3 credit hours

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: AR104 or consent of instructor.

AR 205 BASIC WATERCOLOR PAINTING

FALL ONLY/ALL YEARS

3 credit hours

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: AR103 or consent of instructor.

AR 206 BASIC PAINTING

SPRING ONLY/ALL YEARS

3 credit hours

This course explores problems in color and form with an introduction to painting media. Prerequisite: AR103 or consent of instructor.

AR 208 BASIC SCULPTURE

FALL ONLY/ALL YEARS

3 credit hours

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: AR103 or AR104 or consent of instructor.

AR 210 BASIC PRINTMAKING

FALL ONLY/ALL YEARS

3 credit hours

This is a studio course in which printmaking techniques in block printing and monotype printing are introduced. Prerequisites: AR103 or AR104 or consent of instructor.

AR 211 BASIC PHOTOGRAPHY

FALL/SPRING/ALL YEARS

3 credit hours

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 BASIC CERAMICS

FALL/SPRING/ALL YEARS

3 credit hours

This course is a study of ceramic materials and processes. Emphasis is on developing the student's skills and creativity.

AR 240 COMPUTER GRAPHIC DESIGN

FALL/SPRING/ALL YEARS

3 credit hours

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: AR102, AR103, AR104 or consent of the instructor.

AR 303 LIFE DRAWING

FALL ONLY/ALL YEARS

3 credit hours

This course is a development of the creative potential of the figure in art through the various drawing media. Prerequisite: AR103 and AR203 or consent of instructor.

AR 305 INTERMEDIATE WATERCOLOR PAINTING

FALL ONLY/ALL YEARS

3 credit hours

This course provides a continuation of the study of techniques of AR205. Prerequisite: AR205.

AR 306 INTERMEDIATE PAINTING

SPRING ONLY/ALL YEARS

3 credit hours

This course provides a continuation of the painting techniques introduced in Basic Painting with emphasis on the problems of visual organization. Prerequisite: AR206.

AR 308 INTERMEDIATE SCULPTURE

FALL ONLY/ALL YEARS

3 credit hours

This course provides a continuation of the techniques introduced in Basic Sculpture with emphasis on developing the student's skills and creativity. Prerequisite: AR208.

AR 310 INTERMEDIATE PRINTMAKING

SPRING ONLY/ALL YEARS

3 credit hours

This is a studio course in which printmaking techniques in intaglio printing and screen-printing are introduced. Prerequisite: AR103 or AR104 or consent of instructor.

AR 311 INTERMEDIATE PHOTOGRAPHY

SPRING ONLY/ODD YEARS

3 credit hours

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 INTERMEDIATE CERAMICS

SPRING ONLY/ALL YEARS

3 credit hours

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: AR220.

AR 322 HISTORY OF TRADITIONAL JAPANESE ART

FALL ONLY/ODD YEARS

3 credit hours

This course is a historical survey of traditional Japanese Art from Neolithic era to the Meiji period (1860's). Prerequisite: AR101 or consent of instructor.

**AR 323 GALLERY MANAGEMENT & EXHIBITION
DESIGN**

SPRING ONLY/ALL YEARS

3 credit hours

This is a course that explores the technical aspects of gallery management and exhibition design. Prerequisite: AR101 or consent of instructor.

**AR 326 ANALYSIS OF SPECIMENS AND
DOCUMENTATION**

FALL ONLY/ALL YEARS

3 credit hours

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: AR101 or consent of the instructor.

AR 331 HISTORY OF ART I

SPRING ONLY/EVEN YEARS

3 credit hours

This course covers the history of art from the prehistoric through the Gothic periods. Prerequisite: AR101 or consent of the instructor.

AR 332 HISTORY OF ART II

SPRING ONLY/ODD YEARS

3 credit hours

This course covers the history of art from the Renaissance through the twentieth century. Prerequisite: AR101 or consent of the instructor.

AR 340 DIGITAL IMAGING TECHNIQUES

FALL/SPRING/ALL YEARS

3 credit hours

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 ENVIRONMENTAL ART

SPRING ONLY/ODD YEARS

3 credit hours

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.

AR 404 ADVANCED WATERCOLOR PAINTING I

FALL ONLY/ALL YEARS

3 credit hours

The emphasis of this course is on the development of the student's ability to define and express original and personal artistic statements. Prerequisite: AR305.

AR 405 ADVANCED WATERCOLOR PAINTING II

FALL ONLY/ALL YEARS

3 credit hours

This is a continuation of AR404 to further extend the student's awareness and experience. Prerequisite: AR404.

AR 406 ADVANCED PAINTING I

SPRING ONLY/ALL YEARS

3 credit hours

Emphasis is placed upon the student's ability to define and express an original point of view. Prerequisite: AR306.

AR 407 ADVANCED PAINTING II

SPRING ONLY/ALL YEARS

3 credit hours

This is a continuation of AR406 to further extend the student's awareness and experience. Prerequisite: AR406.

AR 408 ADVANCED SCULPTURE I

SPRING ONLY/ALL YEARS

3 credit hours

This course continues AR308. An emphasis is placed on alerting the student to his own creative potential. Prerequisite: AR308 or consent of instructor.

AR 409 ADVANCED SCULPTURE II

SPRING ONLY/ALL YEARS

3 credit hours

This is a continuation of AR408. This course involves individual projects and development of individual style. Prerequisite: AR408.

AR 410 ADVANCED PRINTMAKING I

FALL ONLY/ALL YEARS

3 credit hours

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: AR210, AR310.

AR 410A ADVANCED PRINTMAKING

SPRING ONLY/SPRING ONLY

3 credit hours

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, drypoint, aquatint and mezzotint) and lithography. AR210 Basic Printmaking or AR310 Intermediate Printmaking are required prerequisites.

AR 411 ADVANCED PRINTMAKING II

SPRING ONLY/ALL YEARS

3 credit hours

This course is a continuation of AR410. It offers the art student additional work in printmaking, with the option of focusing on additional printmaking processes which include block printing, silkscreen printing, intaglio printing and lithography. Prerequisite: AR410.

AR 420 ADVANCED CERAMICS I

SPRING ONLY/ALL YEARS

3 credit hours

This course is a continuation of AR320 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: AR320.

AR 421 ADVANCED CERAMICS II

SPRING ONLY/ALL YEARS

3 credit hours

This course is a continuation of AR420 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: AR420.

AMERICAN SIGN LANGUAGE (ASL)

ASL 194 AMERICAN SIGN LANGUAGE

4 credit hours

This course introduces students to basic skills in American Sign Language (ASL) and person-to-person communication in signs. Students learn about vocabulary, grammatical structures, appropriate facial, gestural expressions, and the use of signing space in a variety of interactions. Further, students will learn fundamental deaf culture locally and in mainland United States. The student signed presentations include a song demonstration and informal signed speeches of 2 ? 8 minutes in length. Out-of-class participation in deaf community gatherings, events, and lab assignments are required. ASL 100 is a 4-hour credit course and satisfies the Modern Language requirement. Prerequisite: None



BUSINESS ADMINISTRATION (BA)

BA 110 PRINCIPLES OF ECONOMICS

FALL/SPRING/ALL YEARS

3 credit hours

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: MA110.

BA 130 INTRODUCTION TO COMPUTERS AND APPLICATIONS

FALL/SPRING/ALL YEARS

3 credit hours

This course introduces students to basic computing concepts and the use of computers in management settings. Prerequisite: MA110 or MA115 with a C grade or better.

BA 131 INTRODUCTION TO INFORMATION MANAGEMENT

FALL/SPRING/ALL YEARS

3 credit hours

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: MA110 or MA115 or MA161 a/b with a C grade or better.

BA 180 BUSINESS ESSENTIALS

FALL/SPRING/ALL YEARS

3 credit hours

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 PRINCIPLES OF FINANCIAL ACCOUNTING

FALL/SPRING/ALL YEARS

3 credit hours

The first semester covers basic accounting principles of financial accounting and techniques within a framework of sound modern theory. Prerequisite: BA130 or BA230 or BA131 and MA110 or MA115 or MA161a/b or MA165 with a C grade or better. Instructor's consent required for online method of delivery.

BA 201 PRINCIPLES OF MANAGERIAL ACCOUNTING

FALL/SPRING/ALL YEARS

3 credit hours

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: BA200 with a C grade or better.

BA 203 PREPARATION FOR THE ACCOUNTING PROFESSION

3 credit hours

This course is an introduction of the theory and practice of accounting in financial and managerial accounting. Emphasis is on analyzing, summarizing, reporting, interpreting financial information, managerial accounting concepts for external and internal analysis, reporting and decision-making. Prerequisite: BA201 with a grade of "C" or better. Instructor consent.

BA 220 BASIC BUSINESS FINANCE

FALL/SPRING/ALL YEARS

3 credit hours

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: BA201 and BA210 or MA151 or PA205 with a C grade or better in both courses.

BA 230 DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION

FALL ONLY/ODD YEARS

3 credit hours

This course develops skills in the areas of spreadsheets, database management and cloud computing. Prerequisites: MA110 or MA115 or MA161a/b or MA165 with a C grade or better.

BA 240 MANAGEMENT OF ORGANIZATIONS

FALL/SPRING/ALL YEARS

3 credit hours

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: BA180 for students following catalog years 2018-19 and thereafter.

BA 241 HUMAN RESOURCE MANAGEMENT

FALL/SPRING/ALL YEARS

3 credit hours

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 EN111 and MA110 or higher.

BA 251 GUAM'S TOURISM PRODUCT

AS REQUIRED

3 credit hours

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 INTERNATIONAL TOURISM

FALL/SPRING/ALL YEARS

3 credit hours

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: BA240.

BA 260 FUNDAMENTALS OF MARKETING

FALL/SPRING/ALL YEARS

3 credit hours

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 291 PREP.FOR THE ACCTG PROFESSION

SPRING ONLY

1 credit hour

THIS COURSE IS A REVIEW OF THE ACCOUNTING CONCEPTS COVERED IN BA200, PRINCIPLES OF FINANCIAL ACCOUNTING, AND BA201, PRINCIPLES OF MANAGERIAL ACCOUNTING IN PREPARATION FOR THE ACCOUNTING COMPETENCY EXAM. PREREQUISITE: BA200 AND BA 201 AND INSTRUCTORS CONSENT.

BA 300 INTERMEDIATE ACCOUNTING I

FALL/SPRING/ALL YEARS

3 credit hours

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: BA201 with a C grade or better, Instructor's consent, and pass the Accounting Major Competency Exam.

BA 301 INTERMEDIATE ACCOUNTING II

FALL/SPRING/ALL YEARS

3 credit hours

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: BA300 with a C grade or better.

BA 303 GOVERNMENTAL ACCOUNTING FOR NON-ACCOUNTING MAJORS

FALL ONLY/ALL YEARS

3 credit hours

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 INCOME TAXATION

FALL/SPRING/ALL YEARS

3 credit hours

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: BA300 with a C grade or better.

BA 305 COST AND MANAGERIAL ACCOUNTING

FALL/SPRING/ALL YEARS

3 credit hours

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: BA300 with a C grade or better.

BA 306 ADVANCED COST AND MANAGERIAL ACCOUNTING

AS REQUIRED

3 credit hours

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: BA305 with a C grade or better.

BA 307 INTERNATIONAL ACCOUNTING

FALL/SPRING/ALL YEARS

3 credit hours

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: BA301 with a C grade or better.

BA 310 APPLIED STATISTICS FOR BUSINESS DECISION

FALL/SPRING/ALL YEARS

3 credit hours

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 decisions-making and problem solving. The course is the second in a series of two required BBA Foundation courses, the first being one of the following PA205 Basic Statistics for Business and Economics, MA151 Introductory Statistics, or PA205 Data and Basic Statistics for Government Business. Prerequisites: BA240 and PA205 or MA151 with a C grade or better in both courses.

BA 311 INTERMEDIATE MACRO-ECONOMIC THEORY

FALL ONLY/ALL YEARS

3 credit hours

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: PA205 or MA151 with a C grade or better.

BA 312 INTERMEDIATE MICRO-ECONOMIC THEORY

SPRING ONLY/ALL YEARS

3 credit hours

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: PA205 or MA151 with a C grade or better.

BA 321 MONEY AND BANKING

FALL ONLY/ALL YEARS

3 credit hours

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: BA110 with a C grade or better.

BA 322 PERSONAL FINANCIAL PLANNING

FALL/SPRING/ALL YEARS

3 credit hours

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 CORPORATE FINANCE

FALL ONLY/ALL YEARS

3 credit hours

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: BA220 with a C grade or better.

BA 330 INFORMATION TECHNOLOGY AND NETWORKS FOR BUSINESS

FALL/SPRING/ALL YEARS

3 credit hours

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 MANAGEMENT INFORMATION SYSTEMS

FALL/SPRING/ALL YEARS

3 credit hours

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: BA240 and BA335 with a C grade or better in both courses.

BA 334 BUSINESS ANALYTICS

SPRING ONLY/EVEN YEARS

3 credit hours

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 any one of the following PA-205, BA-210 or MA-151.

BA 335 CYBERSECURITY AND CLOUD SERVICE

FALL/SPRING/ALL YEARS

3 credit hours

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 BA330 or BA335, but not a combination of the two. Prerequisite: BA130 or BA131 or BA230.

BA 341 INTERNATIONAL BUSINESS ENVIRONMENT

SPRING ONLY/ALL YEARS

3 credit hours

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 342A ENTREPRENEURSHIP AND INNOVATION Concepts

FALL/SPRING/ALL YEARS

3 credit hours

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 foundations and terminology of entrepreneurship. Prerequisite: BA110, and BA180, BA240 or concurrent OR Peregrine Exam Subtopics of Basic Business Management and Business Communication, or with Instructor's consent.

BA 342B ENTREPRENEURSHIP: ISSUES AND SOLUTIONS IN BUSINESS START-UPS

FALL ONLY/ALL YEARS

3 credit hours

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: BA240 and BA342A with a C grade or better in both courses.

BA 345 MANAGING THE EMPLOYEE & WORK ENVIRONMENT

FALL/SPRING/ALL YEARS

3 credit hours

This business and public administration management course examines employee management issues, practices 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: BA241 with a C grade or better or Instructor's consent.

BA 347 LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY

FALL/SPRING/ALL YEARS

3 credit hours

The course integrates personal leadership with collaboration and networking for organizational performance and societal gain. The course strengthens practical leadership and collaborative skills. Prerequisite: BA240 for BBA majors or PA210 for PA majors.

BA 350 HOTEL MANAGEMENT

SPRING ONLY/ALL YEARS

3 credit hours

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: BA240 with a C grade or better.

BA 351 TOURISM AND INNOVATION

SPRING ONLY/ALL YEARS

3 credit hours

This course provides a well-rounded approach to management issues facing various hospitality service operations, including service and support businesses that cater to tourists in the tourism industry. This course prepares students in the region seeking entry into the industry either as employees or entrepreneurs in the small and medium-sized enterprises that make up the majority of the travel and tourism sector. Prerequisites: BA-240 BA-252.

BA 352 FOOD AND BEVERAGE MANAGEMENT

SPRING ONLY/ODD YEARS

3 credit hours

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: BA240.

BA 353 HOSPITALITY SERVICES MANAGEMENT

3 credit hours

This course provides a well-rounded approach to management issues facing various hospitality service operations, including service and support businesses that cater to tourists in the tourism industry. This course prepares students in the region seeking entry into the industry either as employees or entrepreneurs in the small and medium-sized enterprises that make up the majority of the travel and tourism sector. Prerequisites: BA-240 BA-252.

BA 361 CONSUMER BEHAVIOR

FALL ONLY/ODD YEARS

3 credit hours

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: BA260 with a C grade or better.

BA 363 ADVERTISING AND SALES PROMOTION

SPRING ONLY/ALL YEARS

3 credit hours

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: BA260 with a C grade or better.

BA 380 E-BUSINESS

SPRING ONLY/ALL YEARS

3 credit hours

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: BA260.

BA 386 LOGISTICS AND SUPPLY CHAIN MANAGEMENT

FALL/SPRING/ALL YEARS

3 credit hours

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: BA240 and BA260.

BA 400 ADVANCED ACCOUNTING

FALL/SPRING/ALL YEARS

3 credit hours

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: BA301 with a C grade or better.

BA 401 GOVERNMENT ACCOUNTING

FALL/SPRING/ALL YEARS

3 credit hours

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: BA301 with a C grade or better.

BA 402 ACCOUNTING SYSTEMS

FALL/SPRING/ALL YEARS

3 credit hours

This course offers an analysis of theoretical models illustrating structure design and installation of specific accounting systems with emphasis on computer applications. Prerequisites: BA301, BA305 and BA330 or BA334 with a C grade or better in all 3 courses.

BA 403 AUDITING I

FALL/SPRING/ALL YEARS

3 credit hours

This is an introduction to auditing theory and the techniques used in examination and verification of financial statements. Prerequisite: BA402 with a C grade or better.

BA 404 ADVANCED INCOME TAXATION

AS REQUIRED

3 credit hours

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: BA304 with a C grade or better.

BA 405 ACCOUNTING INTERNSHIP

FALL/SPRING/ALL YEARS

3 credit hours

The course prepares students for entering the accounting profession by providing them with practical experience with an accounting firm, industry firm, government, or not-for-profit organizations. The course is designed for graduating seniors who have demonstrated proficiency in the foundation and major coursework required of the accounting program. Prerequisite: Instructor's consent and graduating senior.

BA 406 ETHICS FOR THE ACCOUNTANT

FALL/SPRING/ALL YEARS

3 credit hours

This course is designed to provide accounting professionals and intensive treatment of post-Sarbanes-Oxley ethics (also post Enron-WorldCom era). Prerequisite: Graduating Senior and Instructors consent.

BA 408 AUDITING II

AS REQUIRED

3 credit hours

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: BA403 with a C grade or better and Instructor's consent.

BA 409 SPECIAL STUDIES IN ACCOUNTING

AS REQUIRED

3 credit hours

The integration of concepts and skills related to financial and managerial accounting and analysis, and the ability to make sound professional judgements. Prerequisites: BA305, BA400, and BA402 with a "C" grade or better.

BA 410 MANAGERIAL ECONOMICS

FALL/SPRING/ALL YEARS

3 credit hours

This course covers phases of business economics most useful to managers of organizations: defining goals, measuring and forecasting demand, costs, and competition. Prerequisite: BA310 with a C grade or better.

BA 420 INTERNATIONAL CORPORATE FINANCE

SPRING ONLY/ALL YEARS

3 credit hours

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: BA220 with a C grade or better.

BA 421 INVESTMENTS AND REAL ESTATE

SPRING ONLY/ALL YEARS

3 credit hours

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: BA220 with a C grade or better.

BA 431 TOPICS IN THE MANAGEMENT OF TECHNOLOGY AND INNOVATION

SPRING ONLY/ALL YEARS

3 credit hours

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: BA335, BA386, and BA333 or BA334 or BA380; Senior standing and Instructor's consent.

BA 440 ORGANIZATIONAL BEHAVIOR

FALL/SPRING/ALL YEARS

3 credit hours

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: BA240 and SO101 or PY101.

BA 441 OPERATIONS AND PROJECT MANAGEMENT

SPRING ONLY/ALL YEARS

3 credit hours

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: PA205 or MA151 or with a C grade or better.

BA 443 COMPENSATION, BENEFITS AND PERFORMANCE EVALUATION

FALL/SPRING/ALL YEARS

3 credit hours

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: BA241 with a C grade or better or consent of instructor.

BA 444 STAFFING AND EMPLOYEE DEVELOPMENT

FALL/SPRING/ALL YEARS

3 credit hours

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: BA241 with a C grade or better or Instructor's consent.

BA 446 ENTREPRENEURSHIP: NEW VENTURE CREATION

SPRING ONLY/ALL YEARS

3 credit hours

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: BA242 and BA342 with a C grade or better. Note: This course is cross listed with PE446.

BA 450 TOURISM RESEARCH AND MARKET DEVELOPMENT

SPRING ONLY/ODD YEARS

3 credit hours

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: BA260 with a C grade or better.

BA 451 TOURISM/HOTEL INTERNSHIP

FALL/SPRING/ALL YEARS

3 credit hours

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 TOURISM POLICY, PLANNING AND DEVELOPMENT

FALL ONLY/ALL YEARS

3 credit hours

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: BA240 with a C grade or better.

BA 460 INTERNATIONAL MARKETING

FALL ONLY/ALL YEARS

3 credit hours

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: BA260 with a C grade or better.

BA 461 MARKETING CHANNEL MANAGEMENT

FALL ONLY/EVEN YEARS

3 credit hours

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: BA260 with a C grade or better.

BA 462 MARKETING RESEARCH

FALL ONLY/ALL YEARS

3 credit hours

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: BA260 and BA310.

BA 463 MARKETING MANAGEMENT

SPRING ONLY/ALL YEARS

3 credit hours

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: BA260 and BA462 with a C grade or better - Graduating Senior.



BA 480 BUSINESS STRATEGY AND POLICY

FALL/SPRING/ALL YEARS

3 credit hours

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: BA483, Graduating Senior and Instructor's consent.

BA 481 PRACTICAL APPLICATION IN SMALL BUSINESS MANAGEMENT

FALL/SPRING/ALL YEARS

3 credit hours

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: BA260 and Senior standing.

BA 482A BUSINESS SERVICE LEARNING: SENIOR TEAM FIELD PROJECT

FALL/SPRING/ALL YEARS

3 credit hours

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. Prerequisites: Senior Standing and Instructor's consent are required.

**BA 482B BUSINESS SERVICE LEARNING:
BUSINESS/ RESEARCH INTERNSHIP**

FALL/SPRING/ALL YEARS

3 credit hours

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. Prerequisites: Senior Standing and Instructor's consent are required.

**BA 482C BUSINESS SERVICE LEARNING:
BUSINESS FORMATION/ INNOVATION/
TRANSFORMATION**

FALL/SPRING/ALL YEARS

3 credit hours

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. Prerequisites: Senior Standing and Instructor's consent are required.

**BA 483 BUSINESS PROFESSIONAL AND CAREER
DEVELOPMENT**

FALL/SPRING/ALL YEARS

2 credit hours

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: BA220, BA260, BA-310 and BA241 or BA440; Senior



BA 491 SEMINAR IN MARKETING

FALL/SPRING/AS REQUIRED

3 credit hours

The Seminar provides the opportunity for study and discussion of significant topics and problems in the field of marketing. Prerequisites: BA260 and PA205 or MA151 or BA210.

BA 494 SS:DATA ANALYTICS FOR ACCOUNTING

SUMMER

3 credit hours

This course will discuss specialized areas of data analytics in business, financial reporting, and auditing. Participants will examine a variety of analytic tools and software being used today; and research the latest issues affecting the profession and industry such as Artificial and Business Intelligence, Cyber Security, Bitcoin, Block Chain, Data Breaches, and Business Disruption. Prerequisites: BA-230 and BA-300.

BA 500 PROFESSIONAL ACCOUNTING RESEARCH & COMM

FALL/SPRING/ALL YEARS

3 credit hours

Overview of methods for professional researching, organizing, analyzing, and presenting information in financial accounting, auditing, and taxation. Presentation of concepts and techniques for developing a business style of writing and creating documents such as memorandums, letters, and reports. Emphasis on written and oral assignments that develop communication skills for the accounting profession. Introduction to academic research and analysis of literature. Prerequisite: Acceptance into the Master of Accountancy program. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.

BA 502 INFO SYSTEMS & DATA ANALYTICS FOR ACCTNT

SUMMER/ALL YEARS

3 credit hours

In this course, students will learn data analytics models and methods involving accounting information, theory and practice of information systems, and computer based systems controls for management and decision-making of engagements in audit and taxation. Students will also learn how to use and manage various analytical tools to achieve these objectives. Prerequisite: Complete Term 3 of cohort-based Master of Accountancy program. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.

BA 503 ADVANCED AUDITING & FRAUD EXAMINATION

SPRING ONLY/ALL YEARS

3 credit hours

This course builds on undergraduate auditing concepts and understanding to enhance comprehension of the audit process and advanced auditing techniques, and to apply this knowledge to fraud examination and forensic accounting. Students will be introduced to fraud detection and fraud investigation techniques, valuation of closely held businesses, lost profits analyses, and various types of litigation support services. Prerequisite: Complete Term 1 of cohort-based Master of Accountancy program. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.

BA 504 FINANCIAL STATEMENT ANALYSIS & VALUATION

FALL ONLY/ALL YEARS

3 credit hours

This course provides students with frameworks for financial statement analysis and valuation of financial and non-financial data. Students will learn how to integrate concepts from accounting and other disciplines such as economics, finance, and business strategy to determine the impact of managerial decisions. Prerequisite: Complete Term 3. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.

BA 507 CORPORATE GOVERNANCE & ETHICS

SPRING ONLY/ALL YEARS

3 credit hours

This course introduces students to professional ethics guidance and standards of conduct for tax and audit, and enterprise risk management frameworks. Students will also develop an understanding of corporate governance issues and decision-making. Case studies will be used to highlight and exercise the key concepts and frameworks in the course. Prerequisite: Acceptance into the Master of Accountancy program. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.

BA 600 FINANCIAL ACCOUNTING & REPORTING

FALL ONLY/ALL YEARS

3 credit hours

This course prepares students for the Financial Accounting and Reporting part of the CAP examination. Students will demonstrate knowledge and proficiency in financial accounting and reporting frameworks used by business entities (public and nonpublic), not-for-profit entities and state and local government entities. Prerequisite: Complete Term 3. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.

BA 601 CASE STUDIES IN MANAGEMENT

FALL ONLY/ALL YEARS

3 credit hours

The course is broken up into four sections, accommodating brief intervals between inter-term periods that define the one-year master's program. The intent of this course is to introduce the student to case study methods as a means of establishing schema for moving the decision-making process from problem definition to quality control measures via strategic design.

BA 604 REGULTN (CPA EXM:REG) & TAX PLANNG

SPRING ONLY/ALL YEARS

3 credit hours

This course prepares students for the Regulation part of the CPA examination. Students will demonstrate knowledge and proficiency in four broad areas: ethics and professional responsibilities in tax practice, licensing and disciplinary systems, federal tax procedures, and legal duties and responsibilities. Prerequisite: Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.

BA 605 BUSINESS ENVT & CONCEPTS (CPA EXAM:BEC)

SUMMER/ALL YEARS

3 credit hours

This course prepares students for the Business Environment and Concepts part of the CPA examination. Students will demonstrate knowledge and proficiency in four broad areas: corporate, governance, economic concepts and analysis, financial management, information technology and operations management. Prerequisite: Complete Term 2 of cohort-based Master of Accountancy program. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.



BA 606 AUDITING & ATTESTATION (CPA EXAM:AUD)

SPRING ONLY/ALL YEARS

3 credit hours

This course prepares students for the auditing and attestation part of the U.S. CPA examination. This course focuses on understanding, applying and evaluating auditing standards and procedures for attest and non-attest engagements including assessing risk and developing a planned response, performing procedures and obtaining evidence and forming conclusions and reporting. Professional responsibilities and frameworks will be reviewed and observed within this context.

Prerequisite: Complete Term 1. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.

BA 610 MANAGERIAL ECONOMICS

SPRING ONLY/ALL YEARS

3 credit hours

The course begins with an overview of macroeconomic issues. Indicators of macroeconomic performance are identified and managers are given a preview of the tools and resources used to evaluate and forecast economic conditions. Applications of microeconomic theory to strategic management in these market conditions are presented. Basic concepts of supply, demand, market price, output, production, and resource allocation provide a framework for strategic analysis in emerging markets where firms have market/monopoly power. Other topics address sophisticated pricing policies, transfer pricing, models of competition and cooperation, managing under uncertainty, asymmetric information and externalities. The course provides a framework and analytical tools to enhance decision-making within the manager's organization.

BA 611 STRATEGIC MARKETING MANAGEMENT

SUMMER/ALL YEARS

3 credit hours

This advanced marketing management course focuses on strategic marketing analysis and planning at both the corporate and SBU levels. It will use the concepts and theories underlying marketing decision-making and the tools needed to analyze and understand complex marketing situations found in today's ever-changing marketplace. The course is designed to help managers develop and execute appropriate managerial strategies. An emphasis of this course will be on developing executive-level decision-making skills, which students are most likely to encounter during their current and future careers. Students will learn to apply analytical marketing perspectives, decision tools, and concepts to strategic management decisions to achieve organizational goals and objectives. The subject has been organized around the marketing planning process, strategic decision-making, market analysis, competitive analysis, and financial analysis, and the application of these to "real world" situations.

BA 613 STRATEGIC LEADERSHIP AND ETHICS

SPRING ONLY/ALL YEARS

3 credit hours

This seminar provides managers with the tools to explore and evaluate leadership theories and their application from a strategic perspective, taking into consideration their limitations and delimitations as they are applied in real work settings. Emphasis will be placed on professional work experience.

BA 620 FINANCIAL MANAGEMENT

SUMMER/ALL YEARS

3 credit hours

This course introduces financial management principles and investment decisions from a strategic, pragmatic perspective. Although theory is broached, emphasis is placed on practical application. Topical areas include financial statement analysis, working capital management, capital structure optimization, investment selection, and sources of funding.

BA 621 MANAGERIAL ACCOUNTING

SPRING ONLY/ALL YEARS

3 credit hours

The course begins with a review of accounting concepts, standards and practices of financial reporting that serve the needs of decision makers including preparation and analysis of financial statements. The course then extends these concepts to business managers' decision making and evaluation of performance including the use of accounting information for planning and control. The application of accounting to decision models used by today's rapidly changing organizations are addressed along with mechanics of cost accounting and management accounting in resource allocation as in capital budgeting, and performance evaluation. Throughout the course, statistical approaches are applied to the analysis of information.

**BA 622 STATISTICAL ANALYSIS AND
ECONOMETRIC TECHNIQUES**

SUMMER/ALL YEARS

3 credit hours

The course begins with the basic concepts and methods of management science that relies on statistical analysis techniques as well as the art of decision-making under circumstances of constrained optimization. It introduces statistical ideas as they apply to managers. Two ideas dominate: describing data and modeling variability and randomness using probability models. The course provides tools and data analysis models for decision making that use hypothesis testing, linear programming and simulation. It also provides an understanding of the definitions and limitations of a variety of standard econometric measures.

**BA 630 GLOBAL HUMAN RESOURCE
MANAGEMENT**

SPRING ONLY/ALL YEARS

3 credit hours

This graduate Human Resource Management (HRM) course explores regional and international HR principles, strategies, and practices. Key areas such as U.S. and country-specific compensation and benefits, staffing, employee development, and performance appraisal are covered. Students will develop an in-depth understanding of HRM functions in regional and international arenas.

**BA 632 OPERATIONS AND PROJECT
MANAGEMENT**

FALL ONLY/ALL YEARS

3 credit hours

This graduate Operations Management course explores modern theory and practice for planning and controlling the operations function, both in manufacturing and service organizations. Quantitative tools of analysis used to support decision-making in the various activities of operations management are reviewed. Regional and international applications and issues will be included.

BA 701 ACCOUNTING CAPSTONE EXPERIENCE

FALL ONLY/ALL YEARS

3 credit hours

This capstone course builds on the concepts of all courses taken within the Master of Accounting and provides students with an opportunity to integrate and apply their knowledge using evidence-based learning. Assignments also include an academic research paper using action research methodology that comprehensively assesses an important current issue or emerging trend in the field of accounting. Prerequisite: Complete Term 4. Students require computer skills, proficiency with Microsoft Office (PowerPoint, Word, etc.), and a reliable browser.



BA 710 ADVANCE TOPICS IN INTERNATIONAL BUSINESS

SUMMER/ALL YEARS

3 credit hours

This course offers students the opportunity to explore the workings of the international business arena and to demonstrate an understanding of global markets as it relates to their professional field through undertakings that encourage business system adaptation to new environments. It further promotes the importance of ethical and socially responsible decision making in different cultural settings.

BA 711 BUSINESS CAPSTONE EXPERIENCE

FALL ONLY/ALL YEARS

3 credit hours

The Business Capstone course is the culminating professional experience for the PMBA student. It extends over the final two terms of their program. Within teams of two or three, PMBA students will participate in the development of an applied research project that synthesizes the students' learning throughout their tenure in the PMBA program. The nature of the applied project can consist of a strategic management project, an entrepreneurial project, or a special study project.

BIOLOGY (BI)

BI 100 ENVIRONMENTAL BIOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

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, BI100L, MUST be taken concurrently. Corequisite: BI100L.

BI 100L ENVIRONMENTAL BIOLOGY LABORATORY

FALL/SPRING/ALL YEARS

1 credit hour

BI100L is the laboratory portion of BI100 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Corequisite: BI100.

BI 103 MARINE BIOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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, BI103L, MUST be taken concurrently. Corequisite: BI103L.

BI 103L MARINE BIOLOGY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

BI103L is the laboratory portion of BI103 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Corequisite: BI103.

BI 110 HUMAN BIOLOGY

AS REQUIRED

3 credit hours

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, BI110L must be taken concurrently and takes place face ?to-face. Prerequisites: MA085 a-b or MA089 or placement; EN110 Placement or above; Co requisite: BI110L.

BI 110L HUMAN BIOLOGY LABORATORY

AS REQUIRED

1 credit hour

This is an introductory biology laboratory course with a human focus that must be taken concurrently with the BI110 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: BI110; Prerequisite: MA085 a-b or MA089 or Placement; Placement in EN110 or above.

BI 124 HUMAN ANATOMY AND PHYSIOLOGY I

FALL ONLY/ALL YEARS

3 credit hours

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 EN110 and MA110 (or higher). Corequisite: BI124L.

**BI 124L HUMAN ANATOMY & PHYSIOLOGY I
LABORATORY**

FALL ONLY/ALL YEARS

1 credit hour

BI124L is the laboratory portion of BI124 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite or concurrent enrollment in both EN110 and MA110 (or higher). Corequisite: BI124.

BI 125 HUMAN ANATOMY & PHYSIOLOGY II

SPRING ONLY/ALL YEARS

3 credit hours

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, BI125L, MUST be taken concurrently. Prerequisite: BI124, BI124L and prerequisite or concurrent enrollment in both EN110 and MA110 (or higher). Corequisite: BI125L.

**BI 125L HUMAN ANATOMY & PHYSIO II
LABORATORY**

SPRING ONLY/ALL YEARS

1 credit hour

BI125L is the laboratory portion of BI125 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: BI124, BI124L and Prerequisite or concurrent enrollment in both EN110 and MA110 (or higher). Corequisite: BI125.

BI 157 PRINCIPLES OF BIOLOGY I

SPRING ONLY/ALL YEARS

3 credit hours

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, BI 157L, MUST be taken concurrently. Prerequisite: Grade C grade or better in both BI100 and BI100L or concurrent enrollment in both EN110 and MA110 (or higher). Students majoring in other programs or minoring in Biology may substitute another introductory science class for BI100 and BI100L or request a waiver of the prerequisite. Corequisite: BI157L.



BI 157L PRINCIPLES OF BIOLOGY I LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

BI157L is the laboratory portion of BI157 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 BI100, BI100L or request a waiver of the prerequisite. Prerequisite: Grade C or better grade in both BI100 and BI100L or concurrent enrollment in both EN110 and MA110 (or higher). Corequisite: BI157.

BI 158 PRINCIPLES OF BIOLOGY II

FALL ONLY/ALL YEARS

3 credit hours

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, BI158L, **MUST** be taken concurrently. Prerequisites: Grade C or better grade in both BI157 and BI157L or concurrent enrollment in both EN110 and MA110 (or higher). Corequisite: BI158L.

BI 158L PRINCIPLES OF BIOLOGY II LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

BI158L is the laboratory portion of BI158 and **MUST** be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: Grade C or better grade in both BI157 and BI157L or concurrent enrollment in both EN110 and MA110 (or higher). Corequisite: BI158.

BI 201 NATURAL HISTORY OF GUAM

AS REQUIRED

3 credit hours

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 BASIC MICROBIOLOGY

FALL ONLY/ALL YEARS

3 credit hours

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: CH100, CH100L, CH101, CH101L (note: For Biology Majors: CH102, CH102L and CH103, CH103L) AND Grades of C or better in BI157, BI157L and BI158, BI158L or BI124, BI124L and BI125, BI125L. Corequisite: BI225L.

BI 225L BASIC MICROBIOLOGY LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

BI225L is the laboratory portion of BI225 and **MUST** be taken concurrently. The course consists of two 2-hour laboratories and 3 hours of lecture weekly. Prerequisites: CH100, CH100L, CH101, CH101L (note: For Biology Majors: CH102, CH102L and CH103, CH103L) AND Grades of C or better in BI157, BI157L and BI158, BI158L or BI124, BI124L and BI125, BI125L. Corequisite: BI225.

BI 302 PLANT BIOLOGY

FALL ONLY/EVEN YEARS

3 credit hours

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: BI157, BI157L, BI158 and BI158L. Co-requisite: BI302L.

BI 302L PLANT BIOLOGY LABORATORY

FALL ONLY/EVEN YEARS

1 credit hour

BI302L is the laboratory component of BI302 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: BI157 & BI157L, BI158 & BI158L. Corequisite: BI302.

BI 303 INVERTEBRATE ZOOLOGY

SPRING ONLY/ODD YEARS

3 credit hours

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 (BI303L) must be taken concurrently. Prerequisite: BI157, BI157L and BI158, BI158L. Corequisite: BI303L.

**BI 303L INVERTEBRATE ZOOLOGY
LABORATORY**

SPRING ONLY/ODD YEARS

1 credit hour

BI303L is the laboratory portion of BI303 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: BI157, BI157L and BI158, BI158L. Corequisite: BI303.

BI 310 EVOLUTION

SPRING ONLY/ALL YEARS

3 credit hours

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 BI157, BI157L, BI158, BI158L and BI315, BI315L.

BI 315 GENERAL GENETICS

FALL ONLY/ALL YEARS

3 credit hours

Basic principles of heredity, including biochemical genetics and population aspects, are covered. The course includes three hours of lecture weekly. The lab, BI315L, MUST be taken concurrently. Prerequisites: Grades of C or better in BI157, BI157L and (or concurrent enrollment in) BI158, BI158L. Corequisite: BI315L.

BI 315L GENERAL GENETICS LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

BI315L is the laboratory portion of BI315 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: Grades of C or better in BI157, BI157L and (or concurrent enrollment in) BI158, BI158L. Corequisite: BI315.

BI 320 SCIENTIFIC REPORT WRITING

SPRING ONLY/ALL YEARS

2 credit hours

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: BI321 and EN111.

BI 321 SCIENTIFIC ARGUMENTS

SPRING ONLY/ALL YEARS

2 credit hours

Writing and analyzing scientific arguments for effectively presenting scientific work, career aspirations and for getting accepted to graduate school. Prerequisites: BI310.

BI 323 PLANT PATHOLOGY

FALL ONLY/EVEN YEARS

3 credit hours

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 AL323L is required. Prerequisites: AL101/L and AL102/L or BI157/L and BI158/L.

BI 323L PLANT PATHOLOGY LAB

FALL ONLY/EVEN YEARS

1 credit hour

This is the laboratory course for BI323. Concurrent enrollment in AL323 is required. This course meets for three hours of laboratory weekly. Prerequisites: AL101/L and AL102/L OR BI157/L and BI158/L.

BI 333 COMPARATIVE VERTEBRATE ANATOMY

FALL ONLY/ODD YEARS

3 credit hours

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, BI333L, MUST be taken concurrently. Prerequisite: BI157, BI157L, BI158, BI158L and BI310. Corequisite: BI333L.

BI 333L COMPARATIVE VERTEBRATE ANATOMY LABORATORY

FALL ONLY/ODD YEARS

1 credit hour

BI333L is the laboratory portion of BI333 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: BI157, BI157L, BI158, BI158L and BI310. Corequisite: BI333.

BI 345 GENERAL ENTOMOLOGY

FALL ONLY/ODD YEARS

3 credit hours

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/B1345L is required. Prerequisites: BI157/L or AL109/L or AL281/L.

BI 345L GENERAL ENTOMOLOGY LABORATORY

FALL ONLY/ODD YEARS

1 credit hour

This course is a corequisite of AL/B1345 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: BI157/L or AL109/L or AL281/L.

BI 350 ETHOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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, BI350L, MUST be taken concurrently. Prerequisites: BI157, BI157L, BI158, BI158L, BI310 (or concurrent enrollment) and Instructor's consent. Corequisite: BI350L.

BI 350L ETHOLOGY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

BI350L is the laboratory portion of BI350 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: BI157, BI157L, BI158, BI158L, BI310 (or concurrent enrollment) and Instructor's consent. Corequisite: BI350.

BI 365 PLANT SYSTEMATICS

SPRING ONLY/EVEN YEARS

3 credit hours

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: BI310. Corequisite: BI365L.

BI 365L PLANT SYSTEMATICS LABORATORY

SPRING ONLY/EVEN YEARS

1 credit hour

BI365L is the laboratory portion of BI365 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: BI310. Corequisite: BI365.

BI 380 OCEANOGRAPHY

FALL ONLY/ALL YEARS

3 credit hours

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, BI380L, MUST be taken concurrently. Prerequisite: BI100, BI100L, BI157, BI157L, BI158 and BI158L or equivalent and MA161a or higher. Corequisite: BI380L.

BI 380L OCEANOGRAPHY LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

BI380L is the laboratory portion of BI380 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: BI380.

BI 392 LABORATORY TEACHING AND ASSISTING

FALL/SPRING/ALL YEARS

1 - 3 credit hours

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 ECOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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: BI412 & BI412L, BI321, and any ONE of the following lecture & lab pairs: BI225 & BI225L or BI302 & BI302L or BI 303 & BI303L or BI333 & BI333L or BI365 & BI365L.

BI 410L ECOLOGY LABORATORY

SPRING ONLY/ALL YEARS

2 credit hours

BI410L is the laboratory component of BI410 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: BI320 and BI412 and BI412L. Corequisite: BI410.

BI 412 BIOMETRICS

FALL ONLY/ALL YEARS

3 credit hours

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, BI412L MUST be taken concurrently. Prerequisite: MA115 and BI321. Corequisite: BI412L.

BI 412L BIOMETRICS LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

BI412L is the laboratory portion of BI412 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: MA115 and BI321. Corequisite: BI412.

BI 416 CELLULAR & MOLECULAR BIOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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, BI416L MUST be taken concurrently. Prerequisites: CH102, CH102L, CH103, CH103L, BI315 & BI315L. Corequisite: BI416L.

BI 416L CELLULAR & MOLECULAR BIOLOGY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

BI416L is the laboratory portion of BI416 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites CH102, CH102L & CH103, CH103L, BI315 & BI315L. Corequisite: BI416.

BI 419 BIOCHEMISTRY

SPRING ONLY/ALL YEARS

3 credit hours

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. Prerequisite: CH310a, CH311, CH310b and CH312 or concurrent enrollment, Corequisite: BI/CH419L.

BI 419G BIOCHEMISTRY

SPRING ONLY/ALL YEARS

3 credit hours

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: CH310a, CH311, CH310b and CH312; or concurrent enrollment. Corequisite: BI/CH419L.

BI 419G/L BIOCHEMISTRY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

This course is the laboratory portion of BI/CH419G and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: CH310a, CH311, CH310b and CH312 or concurrent enrollment. Corequisite: BI/CH419G.

BI 419L BIOCHEMISTRY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

BI/CH419L is the laboratory portion of BI/CH419 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: CH310a, CH311, CH310b and CH312 or concurrent enrollment. Corequisite: BI/CH419.

BI 425 MOLECULAR MEDICINE

SPRING ONLY/ODD YEARS

3 credit hours

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 biotechnology 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: BI416 & BI416L, or equivalent. Corequisite: BI425/G/L.

BI 425G MOLECULAR MEDICINE

SPRING ONLY/AS REQUIRED

3 credit hours

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 biotechnology 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: BI416 & BI416L, or equivalent. Corequisite: BI425/G/L.

BI 425L MOLECULAR MEDICINE LABORATORY

SPRING ONLY/ODD YEARS

2 credit hours

BI 425L is the molecular biology laboratory course that is taken concurrently with BI425. 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: BI416 & BI416L, or equivalent. Corequisite: BI425.

BI 430 SCIENTIFIC PHOTOGRAPHY

SPRING ONLY/EVEN YEARS

3 credit hours

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/BI430L is the laboratory portion of AL/BI430 and MUST be taken concurrently. Corequisite: AL/BI430L.

**BI 430L SCIENTIFIC PHOTOGRAPHY
LABORATORY**

1 credit hour

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/AL430L is the laboratory portion of BI/AL430 and MUST be taken concurrently. The course consists of two hours of lecture and three hours laboratory period per week. Corequisite: BI/AL430.

BI 432 PHARMACOLOGY

FALL ONLY/ODD YEARS

3 credit hours

This upper division course will provide a foundation of pharmacology that builds upon basic physiological principles. 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 MARINE BOTANY

SPRING ONLY/ODD YEARS

4 credit hours

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: BI302.

BI 474G MARINE BOTANY

SPRING ONLY/ODD YEARS

4 credit hours

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. Prerequisite: BI302.

BI 475 ADVANCE ANIMAL PHYSIOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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

BI 475G ADVANCED ANIMAL PHYSIOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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. Corequisite: BI475L.

BI 475G/L ADVANCED ANIMAL PHYSIOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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

**BI 475L ADVANCED ANIMAL PHYSIOLOGY
LABORATORY**

SPRING ONLY/ALL YEARS

1 credit hour

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

**BI 503 BIOLOGICAL LITERATURE AND
SCIENTIFIC WRITING**

SPRING ONLY/ALL YEARS

2 credit hours

Survey of biological literature as an assist in thesis and manuscript preparation in the areas of writing, proofreading, literature citation, figure and table preparation. Two hours of lecture weekly.

BI 507 ADVANCED STATISTICAL METHODS

FALL ONLY/ALL YEARS

4 credit hours

An advanced course in applied statistical methods as used in the biological and environmental sciences stressing the design and analysis of experimental and observational studies. Lectures will be 3 hours per week. Prerequisites: MA385 or equivalent.

**BI 508 SCIENTIFIC COMPETENCE AND
INTEGRITY**

FALL ONLY/ALL YEARS

3 credit hours

This course examines historical, philosophical, methodological, ethical, and moral aspects of scientific thought and practice in the context of both historical and contemporary issues in natural and environmental science. Readings and discussions are built around classical examples such as the scientific controversy over Continental Drift and Plate Tectonics as well as contemporary environmental issues, ranging from global concerns such as climate and sea level change, to local public concerns such as solid waste management and the safety of tap water. The central objective of the course is to develop the skills and habits of sound critical thinking essential to the progress, ethical practice, and moral application of science.

BI 515 ADVANCES IN BIOGEOGRAPHY

FALL ONLY/EVEN YEARS

3 credit hours

This course presents the fundamentals of biogeography, and then focuses on recent advances in theory and method. Topics include the distribution of plants and animals over space and time, defining metapopulations, reconstructing biogeographic history and the theory of island biogeography. Students will be given hands-on experience with the latest analytical tools used for hypothesis testing. Emphasis will be on marine organisms, including algae, invertebrates and fish. Three hours of lectures per week.

BI 520 CURRENT TOPICS IN CELLULAR BIOLOGY

SPRING ONLY/ODD YEARS

3 credit hours

Important background information in biochemistry, cellular physiology, and molecular biology, with emphasis on recent scientific articles, new techniques and advances in the field. Application of new techniques and advances toward biotechnology and medicine will be discussed. Students will be required to actively participate in discussions, critique scientific articles, make oral presentations, and write a research paper. Prerequisite: BI101a-b or equivalent, or consent of instructor.

BI 525 EVOLUTIONARY BIOLOGY

FALL ONLY/EVEN YEARS

3 credit hours

This course provides a survey of the origin and evolution of life on Earth, exploring the history and major features of evolutionary change through time and the mechanisms responsible for those changes. The course will also consider evolutionary aspects of genetics, development, ecology, biogeography, systematics and paleontology. Prerequisite: Genetics or consent of instructor.

**BI 529A ENVIRONMENTAL CONTAMINATION &
TOXICOLOGY I: FUNDAMENTAL PRINCIPLES &
BASIC CONCEPTS**

SPRING ONLY/EVEN YEARS

3 credit hours

This course covers the fundamental principles and mechanisms governing the interaction of pollutants with natural systems. The basic concepts of classical and environmental toxicology are also addressed with emphasis on contaminant absorption, distribution, metabolism, systemic toxicology, carcinogenesis, toxicity testing and risk assessment. The course concludes with a general introduction to air, land and water pollution. Three hours of lectures weekly. Prerequisites: BI157, BI158, CH102 and CH103 or equivalent.

**BI 529B ENVIRONMENTAL CONTAMINATION
& TOXICOLOGY II: MAJOR CLASSES OF
ENVIRONMENTAL POLLUTANTS**

SPRING ONLY/ODD YEARS

3 credit hours

This course focuses on classic and contemporary groups of environmental contaminants and their impact on organisms, ecosystems and man. Physical and chemical properties of each contaminant group are discussed in relation to their environmental distribution, fate and toxicity. Occupational health related pollution problems and pollution monitoring strategies are also discussed. Three hours of lectures a week. Prerequisites: BI157, BI158, CH102 and CH102, or equivalent, or consent of instructor. EV/BI529a is also highly recommended as it provides the foundations upon which EV/BI529b is built. Undergraduates may enroll in the course with instructor's consent.

BI 531 BEHAVIORAL ECOLOGY

FALL ONLY/ODD YEARS

3 credit hours

Review and discussions of current topics in behavioral ecology. These include game theory, foraging strategies, mating systems, predator-prey interactions, animal communication, and the ecological determinants of social behavior. Prerequisite: BI101a-b or equivalent, or consent of instructor.

BI 540 ICHTHYOLOGY

SPRING ONLY/EVEN YEARS

3 credit hours

This course is a survey of the classification and morphology of fishes with emphasis on local forms. It includes three hours of lecture weekly. The lab, BI440L, MUST be taken concurrently. Prerequisite: BI157-157L and BI158-158L or equivalent. Corequisite: BI440L.

BI 540L ICHTHYOLOGY LABORATORY

SPRING ONLY/EVEN YEARS

1 credit hour

This course is the laboratory portion of BI540G and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: BI157-157L and BI158-158L or equivalent. Corequisite: BI540G.

BI 546 MARINE INVERTEBRATES

FALL ONLY/EVEN YEARS

4 credit hours

Survey of the classification and morphology of marine invertebrates, with emphasis on local forms. Six hours of lecture-laboratory weekly.

BI 557 POPULATION ECOLOGY

FALL ONLY/ODD YEARS

3 credit hours

This course provides a quantitative background of the processes and principles associated with population dynamics. Both theoretical approaches and applied modeling techniques are used to help students visualize patterns observed in natural systems. The course is relevant for both marine and terrestrial biology or environmental science graduate students, however, examples are mainly focused on marine ecosystems, and coral reefs in particular. Prerequisites: BI157-157L and BI158-158L. Corequisite: BI410.

BI 557L POPULATION ECOLOGY LABORATORY

FALL ONLY/ODD YEARS

1 credit hour

This lab is required for BI/EV557, "Population Ecology". The labs provide a quantitative background of the processes and principles associated with population dynamics. Labs consist of applied modeling techniques to help students visualize patterns observed in natural systems. The course is relevant for both marine and terrestrial biology or environmental science graduate students, however, examples are mainly focused on marine ecosystems, and coral reefs in particular. Prerequisites: BI157-157L and BI158-158L. Corequisite: BI410.

BI 581 PHYSICAL OCEANOGRAPHY

SPRING ONLY/EVEN YEARS

3 credit hours

This course is intended to give students a view to how wind, radiation, gravity, friction, and the Earth's rotation determine the ocean's temperature and salinity patterns and currents. Some important processes we study include heat budget of the oceans, exchange of heat with the atmosphere and the role of the ocean in climate, surface mixed layer waves in the ocean, geostrophy, Ekman transport, and Rossby waves. Students learn how to explain physical features of the ocean ranging from microscopic turbulence to global circulation. Prerequisites: MA203 or consent of instructor. Recommended: MA204, PH-251 and PH-252.

BI 691 SEMINAR

FALL/SPRING/ALL YEARS

1 credit hour

BI 695 THESIS

FALL/SPRING/ALL YEARS

1 - 6 credit hours

CIVIL ENGINEERING (CEE)

CEE 100 ENGINEERING ORIENTATION

FALL/SPRING/ALL YEARS

1 credit hour

This course is designed to give freshmen students an insight into the nature of technology and the engineer's role in society, introduce students to engineering statistics, ethics, professionalism, and sustainability, members of the faculty and guest speakers present lectures dealing with the various engineering disciplines and related areas.

CEE 101 ENGINEERING GRAPHICS

FALL/SPRING/ALL YEARS

3 credit hours

Concepts and methods of communications by graphical means; freehand and instrument drawing, orthogonal projections, and descriptive geometry are covered in this course.

CEE 201 ENGINEERING STATICS

FALL/SPRING/ALL YEARS

3 credit hours

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 and EN-111.

CEE 202 ENGINEERING DYNAMICS

FALL/SPRING/ALL YEARS

3 credit hours

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: MA204 or concurrent enrollment and CEE-201.

CEE 203 MECHANICS OF MATERIALS

FALL/SPRING/ALL YEARS

3 credit hours

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: CEE-201.

CEE 204 MECHANICS OF FLUIDS

FALL ONLY/ALL YEARS

3 credit hours

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: CEE-201 and MA-203.

CEE 301 STRUCTURAL ANALYSIS

FALL ONLY/ALL YEARS

3 credit hours

The course includes an introduction to structural systems and basic analysis methods for beams, frames, and trusses. Prerequisite: CEE-203.

CEE 302 ENGINEERING HYDRAULICS

SPRING ONLY/ALL YEARS

3 credit hours

Introduction of hydrological properties for the sustainable design. Hydraulics of closed conduits and open channel flow with the emphasis on engineering applications. Pump hydraulics, urban drainages, and Statistical analysis for the flood event, and floodplain determination and management. Prerequisite: CEE-204 and concurrent enrollment in CEE-302L.

CEE 302L ENGINEERING HYDRAULICS LAB

SPRING ONLY/ALL YEARS

1 credit hour

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 CEE302.

CEE 303 GEOTECHNICAL ENGINEERING

FALL ONLY/ALL YEARS

3 credit hours

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, and introduction to geosynthetics. Prerequisites: CEE203 and concurrent enrollment in CEE303L

**CEE 303L GEOTECHNICAL ENGINEERING
LABORATORY**

FALL ONLY/ALL YEARS

1 credit hour

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, and substantial emphasis on writing lab reports. Prerequisite: CEE-203 and concurrent enrollment in CEE-303.

CEE 304 CIVIL ENGINEERING MATERIALS

FALL ONLY/ALL YEARS

3 credit hours

A study of principal materials used for engineering purposes with special attention to mechanical properties and their importance to the engineer. Topics include introduction to mechanical properties and their importance to the engineer. Topics include introduction to mechanical behavior of materials, characteristics of metals, characteristics of wood, evaluation of aggregates, design of Portland cement concrete and asphalt concrete, and hands-on experience in testing of civil engineering materials. Concurrent enrollment in CEE-304L. Prerequisite: CEE203

**CEE 304L CIVIL ENGINEERING MATERIALS
LABORATORY**

FALL ONLY/ALL YEARS

1 credit hour

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 CEE304.

CEE 305 EARTH STRUCTURES DESIGN

SPRING ONLY/ALL YEARS

3 credit hours

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. Prerequisite: CEE-303 and CEE-303L.

CEE 306 REINFORCED CONCRETE STRUCTURES DESIGN

SPRING ONLY/ALL YEARS

3 credit hours

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-301.

CEE 307 INTRODUCTION TO ENVIRONMENTAL ENGINEERING

SPRING ONLY/ALL YEARS

3 credit hours

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 sustainable design for the environmental remediation. Prerequisites: CH103, MA203 and CEE 204.

CEE 308L INTRO TO SURVEYING AND LAB

SPRING ONLY/ALL YEARS

3 credit hours

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 STEEL STRUCTURES DESIGN

FALL ONLY/ALL YEARS

3 credit hours

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 columns, 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-301.

CEE 402 FOUNDATION ENGINEERING

FALL ONLY/ALL YEARS

3 credit hours

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, introduction to sustainability, risk and reliability in geotechnical engineering projects. Prerequisite: CEE 303 and CEE303L.

CEE 403 FUNDAMENTAL OF TRANSPORTATION ENGINEERING

SPRING ONLY/ALL YEARS

3 credit hours

History of transportation modes, transportation systems, new transport technologies, traffic operations and control, economic evaluation of transport alternatives, introduction to transportation planning, design, statistical comparison of spot mean speeds in decision making, operation of transportation systems with an emphasis on highway design, horizontal and vertical alignment, cross-sections, earthwork, drainage, pavement materials for highways, pavement foundation design, traffic surveys, introduction to the role of sustainability in pavements. Prerequisites: CEE-301, CEE-303, CEE303L and CEE-306.

CEE 404 CIVIL ENGINEERING DESIGN I

FALL ONLY/ALL YEARS

2 credit hours

This course is the first semester of a one-year independent study under the supervision of a faculty member, which includes analytical, experimental, computational, or case-study type work. A final report must be submitted near the end of the second semester accompanied with an A3 size poster. The project will be assessed through both report writing and oral presentation. The mark will be given as a single unit for both the courses "CEE404 Civil Engineering Design 1" and "CEE405 Civil Engineering Design 2", with a total of 4 credits. Prerequisite: All CEE 300 level courses and Instructors consent.

CEE 405 CIVIL ENGINEERING DESIGN II

SPRING ONLY/ALL YEARS

2 credit hours

This course is the second semester of a one-year independent study under the supervision of a faculty member, which includes analytical, experimental, computational, or case-study type work. A final report must be submitted near the end of the second semester accompanied with an A3 size poster. The project will be assessed through both report writing and oral presentation. The mark will be given as a single unit for both the courses "CEE404 Civil Engineering Design 1" and "CEE405 Civil Engineering Design 2", with a total of 4 credits. Prerequisite: CEE404 and Instructors consent.

CEE 406 INTRODUCTION TO CONSTRUCTION MANAGEMENT

SPRING ONLY/ALL YEARS

3 credit hours

Fundamental concepts in managing construction Projects. Introduction to overall construction Process including planning, design, delivery Methods construction contracts, equipment and Labor productivity, cost estimating, scheduling, Quality assurance and safety. Prerequisites: CEE 303, CEE303L, CEE 304 and CEE304L.

CHEMISTRY (CH)

CH 100 INTRODUCTION TO INORGANIC CHEMISTRY

FALL/SPRING/ALL YEARS

3 credit hours

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, CH100L, MUST be taken concurrently. Prerequisite: Completion of MA085 a-b or MA089. Corequisite: CH100L.

CH 100L INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY

FALL/SPRING/ALL YEARS

1 credit hour

CH100L is the laboratory portion of CH100 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: CH100.

CH 101 INTRODUCTION TO ORGANIC CHEMISTRY

FALL/SPRING/ALL YEARS

3 credit hours

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: CH101L. Prerequisite: CH100 and CH100L, or consent of instructor.

CH 101L INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY

FALL/SPRING/ALL YEARS

1 credit hour

CH101L is the laboratory component of CH101 and must be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: CH101 Prerequisite: CH100 and CH100L.

CH 102 GENERAL CHEMISTRY

FALL ONLY/ALL YEARS

3 credit hours

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, CH102L, MUST be taken concurrently. Prerequisite: Demonstrated proficiency at the MA161 level or concurrent enrollment in 161a. Corequisite: CH102L.

CH 102L GENERAL CHEMISTRY LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

CH102L is the laboratory portion of CH102 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: CH102.

CH 103 GENERAL CHEMISTRY

SPRING ONLY/ALL YEARS

3 credit hours

This course is a continuation of CH102-102L 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, CH103L, MUST be taken concurrently. Prerequisites: CH102-102L, and MA161a or MA161b or MA165 or higher level, or placement at this level. (CH100-100L may be substituted for CH102-102L by program consent). Corequisite: CH103L.

CH 103L GENERAL CHEMISTRY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

CH103L is the laboratory portion of CH103 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: CH103.

CH 110 CHEMISTRY AND SOCIETY

FALL ONLY/ALL YEARS

3 credit hours

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 CHEMISTRY AND SOCIETY
LABORATORY**

FALL ONLY/ALL YEARS

1 credit hour

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: CH110.

CH 310A ORGANIC CHEMISTRY

FALL ONLY/ALL YEARS

3 credit hours

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: CH103-103L.

CH 310B ORGANIC CHEMISTRY

SPRING ONLY/ALL YEARS

3 credit hours

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: CH103-103L.

CH 311 BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY

FALL ONLY/ALL YEARS

2 credit hours

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: CH310a.

CH 312 LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY

SPRING ONLY/ALL YEARS

2 credit hours

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: CH311. Corequisite: CH310b.

CH 330 QUANTITATIVE ANALYSIS

FALL ONLY/ODD YEARS

3 credit hours

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: CH103-103L. Corequisite: CH330L.

CH 330L QUANTITATIVE ANALYSIS LABORATORY

FALL ONLY/ODD YEARS

2 credit hours

CH330L is the laboratory portion of CH330 and MUST be taken concurrently. The course consists of six hours of laboratory work per week. Corequisite: CH330.

CH 350 FOUNDATIONS OF PHYSICAL CHEMISTRY

FALL ONLY/ALL YEARS

3 credit hours

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: MA203, CH103, CH103/L. Corequisite: CH350L.

CH 350L FOUNDATIONS OF PHYSICAL CHEMISTRY LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

This course is the laboratory component of CH350. 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, CH103, CH103/L. Co-requisite: CH350.

CH 392 LABORATORY TEACHING AND ASSISTING

FALL/SPRING/ALL YEARS

1 - 3 credit hours

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 400 CHEMISTRY SERVICE LEARNING

FALL/SPRING/ALL YEARS

1 - 2 credit hours

Chemistry Service-Learning course is patterned after Service-Learning initiative established by the American Chemical Society. Service Learning is part of an education program that integrates community service with classroom instruction to enhance learning, teach civic responsibility, and strengthen communities. For the chemical sciences, service-learning projects can vary greatly depending on community needs and the instructor's curriculum. Projects can include environmental testing, water clean-up, chemical safety workshops, classroom assistance in an elementary-high school, support and assistance in chemistry outreach, and volunteer mentoring or tutoring for elementary, middle or high school students. The course will require 45 hours per credit. Prerequisites: CH-310a CH-310b CH-311 CH-312 CH-330 CH-330L or consent of instructor.

CH 410 INSTRUMENT METHODS OF ANALYSIS

SPRING ONLY/EVEN YEARS

3 credit hours

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: CH310a-b, 311, 312, 330, and MA161a-b or consent of program. Corequisite: CH410L.

CH 410L INSTRUMENT MTHDS OF ANALYS LAB

SPRING ONLY/EVEN YEARS

2 credit hours

Ch 410L is the laboratory portion of CH 410 and MUST be taken concurrently. Corequisite: CH 410

CH 419 BIOCHEMISTRY

SPRING ONLY/ALL YEARS

3 credit hours

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: CH310a, CH310b, CH311 and CH312; or concurrent enrollment. Corequisite: BI/CH419L.

CH 419G BIOCHEMISTRY

SPRING ONLY/ALL YEARS

3 credit hours

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: CH310a, CH311, CH310b and CH312; or concurrent enrollment. Corequisite: BI/CH419G/L.

CH 419G/L BIOCHEMISTRY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

This course is the laboratory portion of BI/CH419G and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisites: CH310a, CH311, CH310b and CH312; or concurrent enrollment. Corequisite: BICH419G.

CH 419L BIOCHEMISTRY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

CH/BI419L is the laboratory portion of CH/BI419 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Prerequisites: CH310a, CH311, CH310b and CH312; or concurrent enrollment. Corequisite: CH/BI419.

CH 420 NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY

FALL ONLY/ALL YEARS

3 credit hours

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: CH310a-b, CH312, MA204 and consent of instructor.

CH 430 INORGANIC CHEMISTRY

SPRING ONLY/EVEN YEARS

3 credit hours

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: CH103-103L, MA204 or consent of program.

CH 450A PHYSICAL CHEMISTRY

FALL ONLY/EVEN YEARS

4 credit hours

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: MA203, MA204 and MA205 or consent of program.

CH 450B PHYSICAL CHEMISTRY

SPRING ONLY/ODD YEARS

4 credit hours

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: MA203, MA204 and MA205 or consent of program.

CH 451 PHYSICAL CHEMISTRY I LABORATORY

SPRING ONLY/ODD YEARS

2 credit hours

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 480 SPECIAL TOPICS IN CHEMISTRY

FALL/SPRING/ALL YEARS

2 - 3 credit hours

This course will provide an in-depth study of a specific area or areas of chemistry that are novel, and not represented in the regular offerings within the program. The topics offered may include offerings in forensic chemistry, food chemistry, polymer chemistry, advance in the thermodynamics, medicinal chemistry, environmental chemistry, wine chemistry, chemical sensor, electrochemistry, bioanalytical chemistry, coordination chemistry, nanoparticles, natural products, organic synthesis, metabolomics, nuclear chemistry, industrial chemistry, surface chemistry, geochemistry, or other areas of interest or expertise. This course also provides customized opportunities to capitalize on the currently expertise in teaching and research being conducted at the Chemistry Program and related fields in the natural science, including visiting scholars. Prerequisites: CH-310a, CH-310b, CH-311, CH-312, CH-330, CH-330L, MA-203 and Instructors Consent.

CH 491 CHEMISTRY SEMINAR

FALL/SPRING/ALL YEARS

1 - 2 credit hours

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 RESEARCH METHODS IN CHEMISTRY

AS REQUIRED

4 credit hours

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: CH330/330L, CH310A/310B, CH311, CH312 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.

CH 495G RESEARCH METHODS IN CHEMISTRY

AS REQUIRED

4 credit hours

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: CH330/330L, CH310A/310B, CH311, CH312 or 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. 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.

CH 498 CHEMISTRY INTERNSHIP

1 - 3 credit hours

This course will provide students with practical skills and application of chemical knowledge in a chemistry related work environment. Students will also learn and apply communication and interaction skills in a work environment. Students desiring to take this course must have the internship course approved by the Program. Arrangement of an internship for credit is a collaborative process between the student, the supervising organization, and the academic department. An internship agreement form must be signed by all parties before the final approval of the course. The internship work must be primarily chemistry in nature. Students must complete the respective numbers of hours for the desired credit: 45 hours per credit, 90 hours for 2 credits, and 135 hours for 3 credits. Prerequisites: CH-310a, CH-310b, CH-311, CH-312 and CH-330 CH-330L. Instructors Consent.

COMMUNICATION AND MEDIA (CO)

CO 106 INTRODUCTION TO MASS COMMUNICATION

FALL/SPRING/ALL YEARS

3 credit hours

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 VOICE AND ARTICULATION

AS RESOURCES PERMIT

3 credit hours

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 FUNDAMENTALS OF COMMUNICATION

FALL/SPRING/ALL YEARS

3 credit hours

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: EN110 placement.

CO 226 MEDIA WRITING

FALL/SPRING/ALL YEARS

3 credit hours

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: EN110 placement.

CO 228 FILM AND TELEVISION CRITICISM

FALL ONLY/ALL YEARS

3 credit hours

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: EN110 and EN111.

CO 236 BROADCAST PRODUCTION

FALL ONLY/ALL YEARS

3 credit hours

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 PHOTO JOURNALISM

FALL ONLY/EVEN YEARS

3 credit hours

Production, selection and use of photographs in newspaper and magazines are covered in this course. Students must have 35 mm camera. Prerequisite: CO226 or consent of instructor.

CO 250 ARGUMENTATION

FALL ONLY/ALL YEARS

3 credit hours

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 INTERCULTURAL COMMUNICATION

SPRING ONLY/ALL YEARS

3 credit hours

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: CO210, EN110.

CO 320 INTERPERSONAL COMMUNICATION

SPRING ONLY/EVEN YEARS

3 credit hours

Theory and practice of interpersonal interaction: including personal growth, cooperation, conflict, negotiation and gaming. Prerequisite: CO210 or consent of instructor.

CO 326 ADVANCED REPORTING

SPRING ONLY/EVEN YEARS

3 credit hours

This course covers the theory and practice of special news gathering skills; including investigative reporting, feature writing and precision journalism. Prerequisite: CO226.

CO 327 ADVERTISING IN THE MASS MEDIA

FALL ONLY/ALL YEARS

3 credit hours

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: CO106 or consent of instructor.

**CO 328 INDEPENDENT NARRATIVE
FILMMAKING**

SPRING ONLY/ALL YEARS

3 credit hours

This is a comprehensive upper division cinema production class that develops student's abilities and direct professional narrative films. Students will focus on completing two short length films for regional and national student festival circuits.

CO 330 SMALL GROUP COMMUNICATION

FALL ONLY/ODD YEARS

3 credit hours

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: CO210.

CO 336 BROADCAST JOURNALISM

SPRING ONLY/ALL YEARS

3 credit hours

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: CO236, concurrent enrollment or consent of instructor.

CO 340 PERSUASION

FALL ONLY/EVEN YEARS

3 credit hours

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: CO210.

CO 350 PUBLIC SPEAKING

SPRING ONLY/ALL YEARS

3 credit hours

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: CO210 or consent of instructor.

CO 356 EDITING AND LAYOUT DESIGN

SPRING ONLY/EVEN YEARS

3 credit hours

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: CO226 or consent of Instructor.

CO 357 MEDIA COMPUTER GRAPHICS

SPRING ONLY/ALL YEARS

3 credit hours

This course introduces students to advanced elements of motion graphic design and digital manipulation for effective visual special effects used in TV and films. Students learn how to create meaningful movie trailers, action scenes with special effects and motion graphic openings for video News formats. The class is complementary to all upper division promotional and video production classes, including CO327 Advertising in Mass Media, CO336 Broadcast Journalism, CO328 Independent Narrative Filmmaking and CO426 Documentary Process. Prerequisite: CO 236 Broadcast Production.

CO 360 PUBLIC RELATIONS IN BUS AND PROFESSIONS

FALL ONLY/ALL YEARS

3 credit hours

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: CO210.

CO 370 ORGANIZATIONAL COMMUNICATION

SPRING ONLY/ODD YEARS

3 credit hours

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: CO210.

CO 385 PRINT MEDIA EXPERIENCE

SPRING ONLY/ALL YEARS

3 credit hours

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: CO226 or concurrent enrollment.

CO 386 MASS MEDIA EXPERIENCE: BROADCASTING

FALL ONLY/ALL YEARS

3 credit hours

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: CO236 or concurrent enrollment or consent of the instructor.

CO 398 COMMUNICATION INTERNSHIP

FALL/SPRING/ALL YEARS

3 credit hours

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 SPECIAL TOPICS IN COMMUNICATION STUDIES

AS REQUIRED

3 credit hours

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 426 DOCUMENTARY PROCESS

SPRING ONLY/EVEN YEARS

3 credit hours

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: CO106, CO236 or consent of instructor.

**CO 436 DIGITAL COMMUNICATIONS
TECHNOLOGIES**

FALL ONLY/EVEN YEARS

3 credit hours

This course surveys the theory, practice ethical issues, and design of contemporary and new and Emerging digital communication technologies. The Course will focus on the problems and Possibilities of such technologies. Students will Be actively engaged in class written assignments and hands-on projects. Prerequisites: CO-106 and EN-111.

**CO 450 COMMUNICATION THEORY AND
RESEARCH**

FALL ONLY/ALL YEARS

3 credit hours

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 460 INTERGRATED PUBLIC RELATIONS
CAMPAIGNS**

SPRING ONLY/ALL YEARS

3 credit hours

This course offers practical experience in the development of public relations campaigns for clients. It focuses on the application of public relations theory in the development and analysis of campaigns, with a particular emphasis on events intended to enhance an organization's reputation with various target audiences. Topics to be explored are relationship-building, creative messaging, and digital marketing. Prerequisites: CO-210, CO-327, CO-360 or consent of the instructor.

**CO 491 CURRENT ISSUES IN COMMUNICATION
AND SOCIETY**

FALL/SPRING/ALL YEARS

3 credit hours

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: CO210. Senior-level status.

CO 498 COMMUNICATION INTERNSHIP

FALL/SPRING/ALL YEARS

3 credit hours

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)

CS 200 COMPUTER APPLICATIONS

FALL/SPRING/ALL YEARS

3 credit hours

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 PROGRAMMING I

FALL/SPRING/ALL YEARS

4 credit hours

This course introduces high level computer programming languages with emphasis on program design, coding, debugging, testing, and proper documentation with applications. Prerequisite: CS200, MA161a/MA165 with a "C" or higher or consent of instructor.

CS 202 PROGRAMMING II

FALL/SPRING/ALL YEARS

4 credit hours

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: CS200 and CS201; or consent of instructor.

CS 303 DATA STRUCTURES AND ALGORITHM ANALYSIS

FALL/SPRING/ALL YEARS

3 credit hours

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: CS202 or consent of instructor.

CS 305 ASSEMBLY LANGUAGE AND COMPUTER ORGANIZATION

FALL ONLY/ALL YEARS

3 credit hours

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: CS202 and CS303, or consent of instructor.

CS 315 INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS

SPRING ONLY/ALL YEARS

3 credit hours

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: CS202 or consent of instructor.



CS 360 INTRODUCTION TO OPERATING SYSTEMS

FALL ONLY/ALL YEARS

3 credit hours

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 weekly. Prerequisite: CS-202, CS-303 or Consent of instructor.

CS 365 COMPUTER ARCHITECTURE

SPRING ONLY/ALL YEARS

3 credit hours

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: CS202 CS303 and CS305, or consent of instructor.

CS 371 ETHICS AND PROFESSIONALISM

SPRING ONLY/ALL YEARS

3 credit hours

This course introduces students to the societal and ethical obligations of computer science, information technology, and electrical/computer engineering practice. Topics include obligations of professional practice, electronic privacy, intellectual property, ethical issues in networking, computer security, computer reliability, and whistleblowing. Prerequisite: Junior standing.

CS 380 ORG OF PROGRAMMING LANGUAGES

FALL ONLY/ALL YEARS

3 credit hours

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: CS202 and CS303, or consent of instructor.

CS 383 ORGANIZATION OF PROGRAMMING LANGUAGES

FALL ONLY/ALL YEARS

3 credit hours

This course introduces the fundamental constructs of programming languages and principles of translation. Topics include history of programming languages, various programming paradigms, language design issues and criteria, and a formal method of describing syntax and introduction of lexical and syntax analysis. Prerequisites: CS-373 and CS-375 with grade C or higher.

CS 385 INTRODUCTION TO OPERATING SYSTEM

3 credit hours

The course will study the introductory concepts in operating systems: historical development of batch, multi-programmed, and interactive systems; virtual memory, process, and thread management; interrupt and trap handlers, abstraction layer, message passing; kernel tasks and kernel design issues; signals and inter process communication; synchronization, concurrency, and deadlock problems. Prerequisite: CS-375 with grade C or higher.

CS 403 DATE COMMUNICATION & COMPUTER NETWORKS

SPRING ONLY/ALL YEARS

4 credit hours

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 hands-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 420 COMPUTER & NETWORK SECURITY COMPUTER AND NETWORK SECURITY

FALL ONLY/ALL YEARS

3 credit hours

This course introduces the general principles of computer and network security from an applied viewpoint. Includes physical security, operating system, security, network security, database security, web security, cryptography and so on. Students must present hand-on labs in computer and network securities. Prerequisite: CS-315 CS-360 CS-403 with a C or better; or consent of Instructor.

CS 425 SYSTEMS ANALYSIS & DESIGN (CAPSTONE Course)

FALL/SPRING/ALL YEARS

3 credit hours

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-365 CS-380, CS-403 or consent of instructor.

CS 431 ADVANCED TOPICS IN COMPUTING

FALL ONLY/ALL YEARS

3 credit hours

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 CS202 and CS303, or consent of instructor.

CS 492 PRACTICUM IN COMPUTER SCIENCE

FALL/SPRING/ALL YEARS

3 credit hours

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 COMPUTER SCIENCE INTERNSHIP

SPRING ONLY/ALL YEARS

4 credit hours

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 CS315, CS360 and CS403.

CYBERSECURITY MANAGEMENT (CSM)

CSM 100 INTRODUCTION TO CYBERSECURITY MANAGEMENT

FALL/SPRING/ALL YEARS

3 credit hours

This course introduces students to the growing Legal, technical, managerial, economic, and social Issues surrounding crimes committed in cyberspace. The course discusses the nature of cybercrime from A management and international perspective and Focuses on how the borderless nature of cybercrime. Impacts law enforcement and cybersecurity in Public and business organizations.

CSM 200 FUNDAMENTAL OF COMPUTERS AND NETWORKING TECHNOLOGIES FOR CYBERSECURITY MANAGERS IN ORGANIZATIONS: UNDERSTANDING COMPUTER HARDWARE, NETWORKS AND THE INTERNET

FALL/SPRING/ALL YEARS

3 credit hours

This course introduces students to the growing Legal, technical, managerial, economical and Social issues surrounding crimes committed in Cyberspace. The course discusses the nature of Cybercrime from a management and international Perspective and focuses on how the borderless Nature of cybercrime impacts law enforcement and Cybersecurity in public and business Organizations.



CSM 300 CYBERSECURITY MANAGEMENT TOOLS AND TECHNIQUES

FALL/SPRING/ALL YEARS

3 credit hours

Cybersecurity has become a topic of critical importance in today's networked and interconnected environment. The study of cybersecurity management describes the tools, techniques, methods, and strategies used by information security professionals and managers to combat security breaches and threats. This course provides an overview of the field of information security and in-depth knowledge of the complex nature of cyber threats and countermeasures. In this course, students will examine key strategies and methodologies used to increase information continuity in business and government organizations and information security disaster preparedness. Also presented are methods of securing information systems using organizational security controls, policies, and best practices. With coverage extended to additional topics including information privacy and regulations.

CSM 301 CYBERCRIME AND DIGITAL FORENSICS

FALL/SPRING/ALL YEARS

3 credit hours

The global reach of the internet, the low marginal cost of on-line activity, and the relative anonymity of information technology users have contributed to a wide escalation in cybercrimes. Consequently, information and communication technologies (ICT) are being increasingly employed to instigate threats to government, business and global economies. This course provides an overview of cybercrime and the forensic and digital law enforcement practices put in place to respond to them. The course will focus on the types and extent of current cybercrimes, how organizations respond to these crimes, including protections afforded to computer users, the policies that govern cybercrime detection and prosecution, related law enforcement technologies.

CSM 302 LEGAL ISSUES AND CASES IN CYBERSECURITY AND THE LAW: LOCAL, NATIONAL AND INTERNATIONAL

FALL/SPRING/ALL YEARS

3 credit hours

This course will introduce students to the key issues in cybersecurity management and the law and help them develop a basic understanding of the technical, legal and ethical issues related to cybersecurity. Case studies in cybersecurity breaches and their legal consequences shall be presented, discussed and analyzed in this course. At the end of the course, students will understand today's cybersecurity legal and privacy related challenges faced by leaders and managers of public and business organizations (local, national and international).

CRITICAL THINKING (CT)

CT 101 CRITICAL THINKING

FALL/SPRING/ALL YEARS

3 credit hours

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: EN109 or the equivalent.

EDUCATION (ED)

ED 110 INTRODUCTION TO TEACHING

FALL/SPRING/ALL YEARS

3 credit hours

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. In addition to the classroom assignments, nine hours of classroom observation in elementary, middle and high school is required to pass this course. Student will work individually to write reflections on their observations and present a 10-minute presentation on one of the episodes.

ED 201 HUMAN GROWTH AND DEVELOPMENT

FALL/SPRING/ALL YEARS

3 credit hours

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 INTRODUCTION TO EXCEPTIONAL INDIVIDUALS

FALL/SPRING/ALL YEARS

3 credit hours

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 ED215 and ED292 prior to taking higher-level Special Education courses.

ED 265 CULTURE AND EDUCATION IN GUAM

FALL/SPRING/ALL YEARS

3 credit hours

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 TECHNOLOGY APPLICATIONS FOR EDUCATORS

FALL/SPRING/ALL YEARS

3 credit hours

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 INTRODUCTION TO BILINGUALISM/BICULTURALISM

FALL ONLY/ALL YEARS

3 credit hours

This course examines bilingualism/biculturalism and includes the sociological, psychological, linguistics, cultural, and educational aspects.

ED 292 PRACTICUM IN SPECIAL EDUCATION

AS REQUIRED

3 credit hours

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: ED215, 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 EDUCATIONAL PSYCHOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

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: PY101, ED201.

**ED 310 REMEDIATION OF INDIVIDUALS WITH
LEARNING DISABILITIES/BEHAVIOR DISORDERS****AS REQUIRED**

3 credit hours

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: ED215 or consent of instructor.

**ED 311 CURRICULUM FOR CHILDREN AND
YOUTH WITH DISABILITIES****AS REQUIRED**

3 credit hours

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 disabilities. 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: ED215 and ED292, or consent of instructor.

**ED 312 GUIDANCE FOR EXCEPTIONAL
INDIVIDUALS AND FAMILY****AS REQUIRED**

3 credit hours

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: ED215 or consent of instructor.

**ED 314 ASSESSMENT OF SKILLS FOR CHILDREN
AND YOUTH WITH SPECIAL NEEDS****AS REQUIRED**

3 credit hours

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: ED215 or consent of instructor.

**ED 315 METHODS OF TEACHING CHILDREN
AND YOUTH WITH SPECIAL NEEDS**

AS REQUIRED

3 credit hours

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: ED215 or consent of instructor.

ED 319 CHILDREN'S LITERATURE

FALL/SPRING/ALL YEARS

3 credit hours

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 LANGUAGE ARTS METHODS:
SECONDARY**

FALL/SPRING/ALL YEARS

3 credit hours

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: ED110, 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 SOCIAL SCIENCES METHODS:
SECONDARY**

FALL/SPRING/ALL YEARS

3 credit hours

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 MATHEMATICS METHODS: SECONDARY

FALL/SPRING/ALL YEARS

3 credit hours

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 SCIENCE METHODS: SECONDARY

FALL/SPRING/ALL YEARS

3 credit hours

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 BUSINESS SUBJECTS METHODS:
SECONDARY**

FALL/SPRING/ALL YEARS

3 credit hours

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 FINE ARTS METHODS, SECONDARY

FALL/SPRING/ALL YEARS

3 credit hours

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 CONSUMER FAMILY SCIENCES
METHODS: SECONDARY**

FALL/SPRING/ALL YEARS

3 credit hours

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 CAREER AND TECHNICAL EDUCATION
METHODS I**

AS REQUIRED

3 credit hours

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 VOCATIONAL/TECHNICAL METHOD II

SPRING ONLY/ALL YEARS

3 credit hours

This course is an extension of ED328 and provides students an opportunity to strengthen their skills in Vocational/Technical Curriculum Development and instructional techniques. Students also prepare and utilize instructional material that support individualized learning. Prerequisite: ED328.

**ED 330 LANGUAGE ARTS IN EARLY
CHILDHOOD**

AS REQUIRED

3 credit hours

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: ED251.

ED 331 TEACHING THE YOUNG CHILD

AS REQUIRED/ALL YEARS

3 credit hours

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: ED251.

ED 332 CURRICULUM FOR YOUNG CHILDREN

AS REQUIRED/ALL YEARS

3 credit hours

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: ED251.

ED 333 CREATIVE ARTS IN EARLY CHILDHOOD

AS REQUIRED/ALL YEARS

3 credit hours

Methods of directing children's experience in the fine arts and encouraging creativity are presented. Practicum is required. Prerequisite: ED251.

**ED 334 SOLVING DISCIPLINE PROBLEMS:
STRATEGIES FOR CLASSROOM TEACHERS**

FALL/SPRING/ALL YEARS

3 credit hours

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 BUILDING HOME AND SCHOOL
RELATIONSHIPS IN EARLY CHILDHOOD
EDUCATION**

AS REQUIRED/ALL YEARS

3 credit hours

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. Prerequisite: ED331.

ED 343 TRANSITION IN SPECIAL EDUCATION

AS REQUIRED

3 credit hours

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: ED215 or consent of instructor.

**ED 350 EFFECTIVE TEACHING STRATEGIES
FOR THE ELEMENTARY MULTICULTURAL
CLASSROOM**

FALL/SPRING/ALL YEARS

3 credit hours

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, 300 or consent of instructor.

ED 351 FINE ARTS METHODS: ELEMENTARY

SPRING ONLY/ALL YEARS

3 credit hours

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 SOCIAL STUDIES METHODS:
ELEMENTARY**

FALL ONLY/ALL YEARS

3 credit hours

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 SCIENCE METHODS: ELEMENTARY

FALL ONLY/ALL YEARS

3 credit hours

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 ED350.

**ED 355 LANGUAGE ARTS METHODS:
ELEMENTARY**

SPRING ONLY/ALL YEARS

3 credit hours

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 MATHEMATICS METHODS:
ELEMENTARY**

FALL ONLY/ALL YEARS

3 credit hours

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 READING METHODS: ELEMENTARY

AS REQUIRED

3 credit hours

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 ED355 and ED357 to be taken concurrently. Prerequisites: EN111 and ED350 or concurrent enrollment. Corequisite: ED355.

**ED 363 P.E. AND HEALTH METHODS
ELEMENTARY**

SPRING ONLY/ALL YEARS

3 credit hours

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 STUDENT ACADEMIC COUNSELOR
TRAINING**

FALL/SPRING/ALL YEARS

3 credit hours

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: EN111. Sophomore standing. Approval of Counseling Services Committee required.

ED 385A STRUCTURE OF THE LANGUAGE

FALL ONLY/ALL YEARS

3 credit hours

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 385B STRUCTURE OF THE LANGUAGE

AS REQUIRED/ALL YEARS

3 credit hours

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 385C STRUCTURE OF THE LANGUAGE:
CHAMORU ORTHOGRAPHY**

SUMMER/AS REQUIRED

3 credit hours

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: ED385a-b.

ED 392 METHODS PRACTICUM

FALL ONLY/ALL YEARS

3 credit hours

This course provides a field experience with the first upper division in the Elementary Education Program.

Prerequisites: ED350; Effective Teaching in the Elementary Multicultural Classroom; consent of instructor.

ED 403 FOUNDATIONS OF EDUCATION

SPRING ONLY

3 credit hours

Through a study of philosophy and principles which underlie American's schools, the forces which influence education (economic, historical, social and psychological) are examined. Open only to students with 60 hours or more earned college credits. Meets the requirement for ED110. Prerequisite: Upper division standing.

**ED 404 FOUNDATIONS OF VOCATIONAL/
TECHNICAL EDUCATION**

FALL ONLY/ALL YEARS

3 credit hours

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 ORGANIZATION AND MANAGEMENT
OF VOCATIONAL/TECHNICAL EDUCATION
LABORATORIES**

SPRING ONLY/ALL YEARS

3 credit hours

This course assists students in the development of knowledge and skills necessary to organize and manage the Vocational/Technical Education Laboratories.

**ED 406 EVALUATION AND THE IMPROVEMENT
OF VOCATIONAL/TECHNICAL EDUCATION
PROGRAMS**

SPRING ONLY/ALL YEARS

3 credit hours

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: ED404 or consent of instructor.



ED 411 CONTEMPORARY ISSUES IN COUNSELOR EDUCATION

SPRING ONLY/ALL YEARS
3 credit hours

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 420 YOUNG ADULT LITERATURE

SPRING ONLY/ODD YEARS
3 credit hours

This is a survey of books and other forms of literature that are 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.

ED 442 SPECIAL EDUCATION LAW

AS REQUIRED/ALL YEARS
3 credit hours

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: ED215 or consent of instructor.

ED 443 ASSISTIVE TECHNOLOGY IN SPECIAL EDUCATION

AS REQUIRED
3 credit hours

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: ED215 or consent of instructor.

ED 443G ASSISTIVE TECHNOLOGY IN SPECIAL EDUCATION

SPRING ONLY/ALL YEARS
3 credit hours

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. Prerequisites: ED655 or consent of instructor.

ED 444 SOCIOCULTURAL ASPECTS OF EDUCATION

SPRING ONLY/ALL YEARS
3 credit hours

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: SO101, PY101 or consent of instructor.

ED 444G SOCIOCULTURAL ASPECTS OF EDUCATION

AS REQUIRED
3 credit hours

This course is a survey of sociological and psychological factors related to the education of children outside the cultural and economic mainstream of American society. Review of local resources and facilities to assist these pupils. Prerequisite: SO101, PY101, or consent of instructor.

**ED 446 INCLUDING CHILDREN WITH
DISABILITIES IN THE REGULAR CLASSROOM**

FALL/SPRING/ALL YEARS

3 credit hours

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 446G INCLUDING CHILDREN WITH
DISABILITIES IN THE REGULAR CLASSROOM**

FALL/SPRING/ALL YEARS

3 credit hours

This course is designed for special and general education teachers (both elementary and secondary). 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. Prerequisite: ED655 or consent of instructor.

**ED 449 DIRECT INSTRUCTION TEACHING
STRATEGY**

AS REQUIRED

4 credit hours

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: ED300 or consent of instructor.

**ED 449G DIRECT INSTRUCTION TEACHING
STRATEGY**

AS REQUIRED

4 credit hours

This competency-based course deals with the development of skills necessary for effectively teaching direct instructional programs dealing with basic skills of reading, spelling, language, or arithmetic. The specific conceptual content will vary depending on the specific level of program(s) taught. Prerequisite: ED300 or consent of instructor.

ED 451 AUDIO VISUAL EDUCATION

FALL/SPRING/ALL YEARS

3 credit hours

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: ED300 or consent of instructor.

ED 452 COMPUTERS IN EDUCATION

FALL/SPRING/ALL YEARS

3 credit hours

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 452G COMPUTERS AND EDUCATION**AS REQUIRED**

3 credit hours

The course is designed to teach pre-service 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 BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION**AS REQUIRED/ALL YEARS**

3 credit hours

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: ED215.

ED 457G BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION**SPRING ONLY/EVEN YEARS**

3 credit hours

This course is designed to provide classroom teachers and other school staff with the knowledge and skills necessary to promote school-wide discipline procedures, prevent discipline problems, and correct inappropriate behaviors. Focus will include preventive measures related to effective instruction. In addition, strategies on dealing with disruptive, distracting, and dangerous behaviors will be provided in order to ensure a safe and effective learning environment. Information on conducting functional assessments, developing positive behavioral support plans, and disciplining students with behavioral support plans, and disciplining students with disabilities will also be covered in this course. Prerequisite: ED655.

ED 462 CONTENT AREA LITERACY**FALL ONLY/ALL YEARS**

3 credit hours

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: ED110, ED192, ED300 and Admission to SOE.

ED 463 CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY**SPRING ONLY/ALL YEARS**

3 credit hours

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 DEVELOPING COGNITIVE ABILITIES**AS REQUIRED**

3 credit hours

This course examines how to help pupils develop skills necessary to independent learning; strategies designed to help pupils make inferences and predication. Three processes essential to developing independent learners are emphasized: concept diagnosis, interpretation of data and application of knowledge.

ED 476 EFFECTIVE MIDDLE SCHOOLS**FALL ONLY/ALL YEARS**

3 credit hours

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 SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT**AS REQUIRED/ALL YEARS**

3 credit hours

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. Prerequisite: ED280.

ED 481 SECOND LANGUAGE TEACHING METHODOLOGY**AS REQUIRED/ALL YEARS**

3 credit hours

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 481G SECOND LANGUAGE TEACHING METHODOLOGY**AS REQUIRED**

3 credit hours

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 WORKING WITH SECOND LANGUAGE LEARNERS**AS REQUIRED/ALL YEARS**

3 credit hours

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 INTRODUCTION TO EARLY CHILDHOOD SPECIAL EDUCATION**AS REQUIRED**

3 credit hours

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.

**ED 483G INTRODUCTION TO EARLY
CHILDHOOD SPECIAL EDUCATION**

FALL ONLY/ALL YEARS

3 credit hours

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 will be presented. Implications for educational intervention and service delivery for children from birth to 5 years will be discussed. The course is designed to introduce students to the field of Early Childhood Special Education.

**ED 484G THE ART AND CRAFT OF TEACHING
WRITING**

Intersession/ALL YEARS

3 credit hours

This course draws on current perspectives in language and literacy acquisition to help teachers set up a process-centered reading and writing classroom. Emphasis will be on the Authoring Cycle as a conceptual framework for a reading/writing curriculum in PK-12 classrooms. In addition, teachers will learn how to use the authoring cycle to construct meaning across the sign systems.

**ED 486 BEST (BUILDING EFFECTIVE STRATEGIES
FOR TEACHING)**

FALL ONLY/ALL YEARS

3 credit hours

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 ED392, or consent of advisor.

**ED 486G BEST (BUILDING EFFECTIVE
STRATEGIES FOR TEACHING)**

AS REQUIRED

3 credit hours

This course brings together novice and experienced teachers 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 392, or consent of advisor.

ED 488 SCHOOL LAW FOR TEACHERS

FALL ONLY/ALL YEARS

3 credit hours

This course is design 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 488G SCHOOL LAW FOR TEACHERS

AS REQUIRED

3 credit hours

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 EVALUATION

FALL/SPRING/ALL YEARS

3 credit hours

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: ED110, ED300, MA151.

ED 492 PRACTICUM IN STUDENT TEACHING

FALL/SPRING/ALL YEARS

12 credit hours

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 INTERNSHIP IN TEACHING:

AS REQUIRED

12 credit hours

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.

ED 582 FOUNDATIONS OF TESOL

FALL ONLY/ALL YEARS

3 credit hours

In this introductory course, students will learn the basics in teaching English as a second or foreign language. All four language skills will be taught, with details about how they can be taught separately or integrated. A wide range of lessons with details activities and tools will be introduced. Prerequisite: Instructors consent required and Admission into M.Ed. TESOL cohort.

ED 583 MATERIALS DESIGN AND EVALUATION

FALL ONLY/ALL YEARS

3 credit hours

This course examine materials that are used in the ESL classroom. Adapting existing materials as well as developing authentic materials are discussed in detail. Basic techniques and strategies for creating new materials for learners from all language and age backgrounds are discussed. Prerequisites: ED661, ED660 and Instructors consent.

ED 584 PHONETICS AND PHONOLOGY

FALL ONLY/ALL YEARS

3 credit hours

This course provides a fundamental overview about the English phonetic system. Reasons and solutions for common pronunciation problems that ELLs have are examined. Methods for improving ELL's spoken English are explored. This course is comparative in nature in that it looks at the English phonetic system as compared to other languages. Prerequisites: ED661, ED660, ED601, Instructors consent and Admission into M.Ed. TESOL cohort.

ED 585 ENGLISH GRAMMAR

FALL ONLY/ALL YEARS

3 credit hours

This is the study of English structure which provides valuable information for second language teachers and teachers in bilingual/bicultural programs. Prerequisites: ED 661 and instructors consent.

ED 600 ISSUES & PHILOSOPHIES IN CULTURALLY DIVERSE SCHOOLS

AS REQUIRED

3 credit hours

Advanced study concepts and procedures on Bilingual/Bicultural and Multicultural education and process in classroom instruction related to issues and philosophies which impact culturally diverse schools.

**ED 601 INTRODUCTION TO RESEARCH
METHODS**

FALL/SPRING/ALL YEARS

3 credit hours

This course introduces students to quantitative and qualitative methods common in educational research. Students examine and evaluate research methods and design research programs.

ED 602 QUALITATIVE INQUIRY IN EDUCATION

SPRING ONLY/ALL YEARS

3 credit hours

A survey of qualitative research methods common in educational research. This course discusses the theoretical and methodological tenets underlying qualitative research and focuses on five specific qualitative methods: history, ethnography, case study, critical theory, and field study. Prerequisites: ED601, Graduate status and strong writing skills.

ED 603 QUANTITATIVE ANALYSIS

FALL ONLY/ALL YEARS

3 credit hours

This is a foundation course in conducting research that involves the collection, analysis and presentation of quantitative data. Classification of data, descriptive statistics, measurement of association, regression analysis and several parametric and nonparametric inferential statistics are included. Computer software will be relied upon to analyze and display data. Interpretation and critique of quantitative research is included. Prerequisites: ED601, Graduate standing; computer experience.

**ED 604 RESOURCES FOR TEACHING AND
LEARNING THROUGH GRANT WRITING**

SUMMER/ALL YEARS

3 credit hours

This course focuses on grant proposal writing covering the research and prospect identification process of foundation grants and government grants to include the relational process of grant approvals.

ED 605 FOUNDATIONS OF EDUCATION

FALL ONLY/ALL YEARS

3 credit hours

This course is designed for perspective secondary teachers as an overview of factors involved in the educational process and to explore multiple issues that affect teaching and learning. It familiarizes students with the responsibilities of teachers and the general operations of a school. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program.

**ED 606 CHILD AND ADOLESCENT
DEVELOPMENT**

SUMMER/ALL YEARS

3 credit hours

This course is an introduction to adolescent development. It emphasizes physical development, emotional growth, mental development, interests, attitudes and social behavior, moral development, and problems common to the age. It is designed to give the teacher insight into the issues adolescents encounter in and outside of school. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program.

ED 607 LEARNING THEORIES

SPRING ONLY/ALL YEARS

3 credit hours

This course focuses on adolescent learning in an educational setting. It offers an analysis of the complex factors involved in cognitive and social development, learner differences and information processing, motivation to succeed academically, and effective classroom management and assessment. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program.

ED 608 CLASSROOM ASSESSMENT

SPRING ONLY/ALL YEARS

3 credit hours

This course is an introduction to the theory and application of varied assessment methods used to improve teaching and promote student learning. It examines the use of traditional assessment practices, as well as alternative methods of classroom assessment. Various issues including grading, the assessment of students with special needs, and ethics in assessment is addressed. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program.

ED 609 INSTRUCTIONAL TECHNOLOGY IN THE SECONDARY CLASSROOMS

SUMMER/ALL YEARS

3 credit hours

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. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program.

ED 610 SCHOOL LEADERSHIP AND ADMINISTRATION

FALL ONLY/ALL YEARS

3 credit hours

Introduction of the organization and direction of public and private schools to prospective administrators and supervisors.

ED 611 SCHOOL PERSONNEL MANAGEMENT

SPRING ONLY/ALL YEARS

3 credit hours

Focuses on the responsibilities of administrators in improving the total educational program through effective administration of all personnel within an educational organization. Includes study of concerns relative to selection, assignment, development, and retention of personnel. Prerequisite: Consent of advisor.

ED 612 SCHOOL LAW

SPRING ONLY/ALL YEARS

3 credit hours

This course is an overview of school law at the territorial (state) and national levels as it affects the organization, general policies and practices of public education. Emphasis is placed on constitutional rights and the related ramifications these pose for administrators. The context of the Guam scene is emphasized. Prerequisite: Consent of advisor.

ED 613 SCHOOL FINANCIAL MANAGEMENT

FALL ONLY/ALL YEARS

3 credit hours

School business management, budgeting process, salary, scheduling, cost accounting, and purchasing procedures. Principles and practices of school financing, past, present, and future, on both national and local levels are considered. Prerequisite: Consent of advisor.

ED 614 CLINICAL SUPERVISION

AS REQUIRED

3 credit hours

This course is designed for the practicing administrator and for master's degree candidates who will be certified as school site administrators. The focus is on the professional and personal development of an administrator through the use of contemporary clinical supervision techniques. The use of various observation instruments, the analysis of data and skills in conferencing are emphasized. Discussion will also center on the role of the evaluator in the legal aspects of teacher evaluation. Some attention is given to teacher participation on clinical educator teams which assist colleagues.

ED 615 DIVERSITY IN EDUCATION**AS REQUIRED**

3 credit hours

Diversity involves a variety of student needs including those of ethnicity, language, socioeconomic class, disabilities, and gender. It includes issues of race, class, sexuality, religion, and other social dynamics. Diversity implies that all students are different from one another relative to other aspects of diversity such as attention span, capability to stay on task, and how they get along with one another. This course will focus on issues of student diversity at the secondary level and develop skills to reflectively teach and to continuously seek ways to facilitate meaningful learning through instructional practice sensitive to student diversity. Must be enrolled in the MAT Program.

**ED 616A SECONDARY TEACHING METHODS -
LANGUAGE ARTS**

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.

**ED 616B SECONDARY TEACHING METHODS -
SOCIAL SCIENCE**

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.

**ED 616C SECONDARY TEACHING METHODS-
MATHEMATICS**

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.



ED 616D SECONDARY TEACHING METHODS - SCIENCE

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.

ED 616E SECONDARY TEACHING METHODS - BUSINESS

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.

ED 616F SECONDARY TEACHING METHODS - FINE ARTS

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.

ED 616G SECONDARY TEACHING METHODS - HOME ECONOMICS

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.



ED 616H SECONDARY TEACHING METHODS - HEALTH/PE

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.

ED 616I SECONDARY TEACHING METHODS - FOREIGN LANGUAGE

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisites: Admission into the Certification or MAT Secondary Education Teaching Program or consent of advisor.

ED 616J SECONDARY TEACHING METHODS - INSTRUCTIONAL TECHNOLOGY

SPRING/SUMMER/ALL YEARS

3 credit hours

Students registering for this class will register for the specific content area they seek certification in. Students seeking certification in another content area can take the class again to be certified in that area of specialty. This course covers a study of the secondary teaching methods which is field-based in the secondary classroom. The course is designed to provide the students with a variety of teaching strategies and skill building techniques in how to effectively bring about the teaching-learning process in a secondary classroom setting. Each student has the opportunity to apply their knowledge gained in the content to a variety of micro-teaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Secondary Education Teaching Program, or Consent of Advisor.

ED 617 ACTION RESEARCH IN SECONDARY SETTINGS

FALL ONLY/ALL YEARS

3 credit hours

Action research is a collaborative methodology which can be effective in creating school and community partnerships aimed at collecting and analyzing valid and reliable information for data-driven decision making. This course defines action research and reviews the historical and theoretical background of this research method. The student as teacher-researcher engaging in action research is a main focus. Skill in conducting the action-research process from planning to write up will be a major goal of the course. Students will design an action research plan in partnership with a GPSS high school or other school context and write up the study for possible publication. Students will be trained in the appropriate use of human subjects research and request IRB approval or exemption as determined by our Human Subjects Research Board. This is the capstone artifact for the Professional Certification Master's Degree Program. Must be enrolled in the MAT Program, or consent of advisor.

ED 618 INSTRUCTIONAL STRATEGIES FOR ELEMENTARY EDUCATORS

AS REQUIRED

2 credit hours

This course is designed for perspective teachers in elementary education and examines the research and best practices in the selection, implementation, and evaluation of instructional strategies. This includes the development of lesson plans and connection to local and national standards. Students will have opportunities to apply their knowledge gained in a variety of microteaching and curriculum planning experiences. Prerequisite: Admission into the Certification or MAT Elementary Education Teaching Program.

ED 619 INTRODUCTION TO COUNSELING

FALL ONLY/AS REQUIRED

3 credit hours

Designed to provide a broad overview of the field of counseling. It will introduce students to the counseling process, basic counseling skills, the role of culture in counseling, and the nature and scope of counseling resources in the schools and in the community. Prerequisite: Consent of advisor

ED 620 THE COUNSELING PROCESS: THEORY

FALL ONLY/AS REQUIRED

3 credit hours

Overview of approaches to counseling. Emphasis is given to understanding the theoretical assumptions of each approach. Theories will be examined in their cultural context. Prerequisite: consent of advisor.

ED 621 THE COUNSELING PROCESS: INDIVIDUAL PRACTICE

FALL ONLY/ALL YEARS

3 credit hours

Study, discussion, and practice of useful counseling techniques. The creation and use of a facultative helping relationship is stressed. Prerequisite: ED619, ED620, and consent of advisor.

ED 622 GROUP COUNSELING

SPRING ONLY/ALL YEARS

3 credit hours

Designed to develop useful counseling techniques in group settings through the study of basic concepts, discussion, observation, and practice of group counseling techniques. Prerequisite: ED619, ED620, ED621, and consent of advisor.

ED 623 DYNAMICS OF INDIVIDUAL BEHAVIOR

SPRING ONLY/ALL YEARS

3 credit hours

Focuses upon understanding the dynamics of individual behavior, the formation of personality, and human development in general from a cross-cultural perspective. Prerequisite: ED619 and consent of advisor.

ED 624 INDIVIDUAL AND GROUP ASSESSMENT

FALL ONLY/ALL YEARS

3 credit hours

Study of psychological assessment and testing as they pertain to educational and community mental health center settings. Prerequisite: ED619 and consent of advisor.

ED 625 MULTICULTURAL COUNSELING

SPRING ONLY/ALL YEARS

3 credit hours

This course is designed to develop multicultural competence in counseling. The emphasis will be upon issues related to being in a therapeutic relationship that is multicultural. Prerequisite: ED619, ED620, ED621, and consent of advisor.

ED 626 PREVENTION AND OUTREACH

FALL ONLY/AS REQUIRED

3 credit hours

Application of theory and research to the contemporary and lifespan prevention of personal and psychological problems in educational, organizational, professional, and community settings. Prerequisite: Consent of Advisor.

ED 627 CAREER COUNSELING

SPRING ONLY/AS REQUIRED

3 credit hours

Study of sources and use of information about occupations, vocational development theories, assessment instruments used in career counseling, and approaches used for vocational counseling. Prerequisite: consent of advisor

ED 628 FAMILY COUNSELING

AS REQUIRED

3 credit hours

An overview of approaches in family counseling. The course focuses on upon understanding the dynamics of family interactions for effective counseling interventions. Prerequisite: ED619, ED620, ED621, and consent of advisor.

ED 629 PSYCHOLOGICAL TESTING

AS REQUIRED

3 credit hours

In class supervised training in a wide variety of effective methods of psychological evaluation and decision making for counselors in applied settings. Prerequisite: consent of advisor

ED 630 INSTRUCTIONAL DESIGN SEMINAR

AS REQUIRED

3 credit hours

Problems in systematically applying educational media technology to instruction and learning. Includes selecting appropriate modes of instruction based on clearly defined objectives, organization of instructional configurations, and media implementation.

ED 631 INSTRUCTIONAL APPLICATIONS OF HYPERMEDIA

AS REQUIRED

3 credit hours

Course is designed to develop skills needed to author interactive instructional hypermedia software. It will apply basic instructional design principles in the production of hypermedia programs. Prerequisite: ED451, ED452 and ED630.

ED 632 COMPUTER APPLICATIONS, GRAPHICS AND DESKTOP PUBLICATION

AS REQUIRED

3 credit hours

Application of communication theory and learning principles to design of graphic instructional materials to improve individual and group learning. Includes design, production, evaluation, and preparation of necessary utilization and study materials and guides.

ED 633 TELECOMMUNICATIONS AND DISTANCE LEARNING

AS REQUIRED

3 credit hours

Studies of interactive distance learning models for education and training; logistics and economics for satellite, ITFS, microwave, fiber-optic, cable, twisted-pair, compressed video, radio, and telephone/modem. Teleconferencing. Legislation and FCC regulations. Support systems: courier, FAX, voice mail, computers.

ED 634 INSTRUCTIONAL INTERACTIVE MULTIMEDIA

AS REQUIRED

3 credit hours

Application of instructional design, video production and computer theory to the production of Instructional Interactive Multimedia programs. Emphasis on production and examination of interactive video accompanied by hypermedia as a training and educational media. CD-ROM applications will be examined. Prerequisite: ED451, ED452, ED630 and ED631.

ED 635 PHOTOGRAPHIC VIDEO PRODUCTION**AS REQUIRED**

3 credit hours

Develop skills in designing and producing, educational, informational and/or motivational slide/tape and video programs.

ED 636 UTILIZING MEDIA RESOURCES IN INSTRUCTION**AS REQUIRED**

3 credit hours

A course focusing on the role of the advanced technologies of education such as telecommunications and interactive media in the instructional process. Emphasis is on the selection, utilization, and evaluation of these media resources for instruction. Applications for advanced technologies in the teaching learning process are stressed. Prerequisite: ED451 and ED452 or other Computer course or consent of instructor.

ED 637 INTEGRATING TECHNOLOGY IN THE CURRICULUM**AS REQUIRED**

3 credit hours

This course is designed to prepare students to effectively integrate microcomputers in the curriculum. Students will develop conceptual frameworks, strategies and skills to utilize computers to support and enhance the curriculum. Prerequisite: ED452 equivalent.

ED 638 TEACHING WITH THE INTERNET**AS REQUIRED**

3 credit hours

This course focuses on how to use the Internet for teaching and learning. It helps students develop skills and strategies in integrating the Internet as an essential resource into the curriculum. Prerequisite: ED452 equivalent.

ED 639 INTEGRATED METHODOLOGIES: LITERACY AND SOCIAL STUDIES**AS REQUIRED**

3 credit hours

This course examines the basic theories, issues, methods, and materials for a developmental K-5 social studies and language arts program. It emphasizes literacy (including reading, as well as writing, speaking and listening) as tools for learning both social studies and language arts with a "literacy across the curriculum" approach. It addresses cultural diversity in social studies and language instruction, with emphasis on linguistic diversity. The course includes surveys of strategies to support reading and writing instruction and study skills across the curriculum, with an understanding of the various purposes of reading and writing within the subjects of social studies and language arts. This course will focus on theories of reading instruction, language and literacy development before school, emergent literacy, and the development of chronological awareness, phonics, and fluency in children from birth through grade 5. It will also detail strategies for teaching social studies and language arts through an interdisciplinary approach. Prerequisite: Instructors consent.

ED 640 LANGUAGE AND LITERACY DEVELOPMENT**SUMMER/ALL YEARS**

3 credit hours

This course explores the theory and practice of literacy development and instruction across the K-12 school years as well as adults. Topics include models of reading and writing processes, emergent literacy, reading and writing instruction for diverse learners, assessment, and adult literacy. Students will be introduced to the theoretical and research base for various models of literacy development, reading and writing processes, and instructional practices. The field has moved from viewing literacy as a process of skills acquisition to viewing literacy as a psycholinguistic process that is socially based and constructivist in nature. This course will help teachers apply current views of how children and adolescents develop as readers and writers to their own teaching situations.

**ED 641 MIDDLE/SECONDARY READING AND
WRITING IN CONTENT AREAS**

SUMMER/ALL YEARS

3 credit hours

Educators will learn how to support the needs of adolescent and young adults, helping them develop into confident and independent readers and writers. Focus will be on the improvement of literacy skills through meaningful, constructive engagements in reading and writing.

**ED 642 SEMINAR IN LITERATURE FOR
CHILDREN AND YOUNG ADULTS**

SUMMER/ALL YEARS

3 credit hours

Increasingly, teachers are using literature in the language arts classroom and across the curriculum. In this course, students read and critically evaluate a wide range of books for preschoolers to young adults, considering such issues as developmental needs, linguistic complexity, genre, aesthetics, interest and cultural diversity. Reader response theory, among others, provides a framework for exploring how readers respond to texts through talk, drawing, writing, dramatic play, etc.

ED 643 PRACTICUM: LITERACY ASSESSMENT

FALL ONLY/ALL YEARS

3 credit hours

Students will learn how to use a range of formal and informal assessment tools and methods to diagnose and assess individual learners' reading and writing development, to guide instruction, and to involve the learner in self-assessment. The emphasis is on using assessment in the service of instruction in the classroom and clinical settings. This course is an advanced practicum focusing on the PK-12 grade levels. Supervised clinical practice is provided at the School of Education Literacy Center. Prerequisite: Consent of Advisor.

**ED 644 PRACTICUM: LITERACY INSTRUCTIONAL
LAB**

SPRING ONLY/ALL YEARS

3 credit hours

Building on students' experience in ED643: Literacy Assessment, this course focuses on reading and writing instruction for children and adolescents with diverse learning needs. Students observe, diagnose, and instruct children at the School of Education Literacy Center. They will deepen their understanding of reading/writing processes and strengthen their skills in designing and implementing instruction that is responsive to the current knowledge, skills, interests, motivation and needs of individual learners. Students will also extend their knowledge of how to assess students, synthesize measurement data (both formal and informal) and present findings to parents and professionals in the form of a case report. This course is an advanced practicum focusing on the PK-12 grade levels. Supervised clinical practice is provided at the School of Education Literacy Center. Prerequisite: ED643.

**ED 645 ADVANCED METHODS IN PK-12
SCHOOL LITERACY**

FALL ONLY/ALL YEARS

3 credit hours

This course draws on the constructive nature of literacy development to teach PK-12 students. Emphasis will be placed on ways to motivate and engage students in literacy learning. Teachers will explore models of literacy learning and how they relate to literacy instruction. Literacy methods and strategies will be responsive to the sociocultural contexts of learning in diverse classroom populations. The ultimate goal is to foster students' willing engagement in reading and writing.



ED 646 THE ORGANIZATION AND SUPERVISION OF READING PROGRAMS

SPRING ONLY/AS REQUIRED

3 credit hours

Introduces students to organization, administration, and supervision of school reading programs (K-12). Students examine roles of reading personnel, evaluate major reading programs and develop, implement, and evaluate a reading program at the classroom and school level.

Prerequisite: ED640, ED641 or ED645, or consent of advisor.

ED 647 ISSUES & RESEARCH IN LITERACY EDUCATION

SUMMER/ALL YEARS

3 credit hours

Students conduct a critical examination of current issues in literacy, including extensive reading of recent research literature relevant to those issues. The course is also intended as an opportunity to examine one significant issue in depth and develop a well-synthesized review of research - to use multiple expert informational resources, to read extensively, to write and present for a professional audience.

ED 648 INTEGRATED METHODOLOGIES: HEALTH AND PHYSICAL EDUCATION

AS REQUIRED

1 credit hour

This course will provide perspective teachers in elementary education with the knowledge and skills to instruct quality physical education and physical activity classes in the elementary grades. Perspective elementary teachers will learn to provide inclusive, academically integrated, enjoyable activities that enhance motor development and academic skills in elementary students.

ED 649 CAPSTONE SEMINAR IN LANGUAGE AND LITERACY

FALL/SPRING/ALL YEARS

3 credit hours

This seminar is designed as a final, integrative experience for students completing the master's degree program in language and literacy. Candidates create an Electronic Capstone Portfolio to showcase their growth in mastery of competencies identified by program goals, objectives and standards, their synthesis of graduate course work and experience, and the professionalism expected of an educator. Prerequisites: A candidate's Capstone Experience occurs during his/her last fall or spring semester of course work.

ED 650 ASSESSMENT OF INDIVIDUALS WITH DISABILITIES

SPRING ONLY/ALL YEARS

3 credit hours

Course deals with various methods and approaches to psychological and educational assessment of special education students. Analysis and interpretations of tests and results will also be examined. A practicum component dealing with the administration, interpretation and uses of various tests will be heavily stressed. Prerequisite: An undergraduate or graduate course in evaluation, skill assessment or tests and measurement is critical.

ED 652 FAMILY AND SCHOOL CONSULTATION

FALL ONLY/ALL YEARS

3 credit hours

Consideration of problem-solving strategies techniques, and methods that special educators utilize in consultation with families and regular education personnel. The roles of model, advisor, counselor, instructor, and program consultant are examined in relation to the individual program needs of students with disabilities and their families. Prerequisite: Courses in assessment, methods and materials, and curriculum development.

ED 654 MULTICULTURAL SPECIAL EDUCATION

FALL ONLY/ALL YEARS

3 credit hours

Exploration of the unique needs and problems associated with providing special education services to students with disabilities in multicultural settings. Emphasis will be placed on students with limited English proficiency with a focus on appropriate assessment practices and program planning. Prerequisite: Basic tenets of special education, including assessment techniques and instructional planning. A course in cultural anthropology is recommended.

ED 655 PHILOSOPHIES AND PRACTICES IN SPECIAL EDUCATION

AS REQUIRED

3 credit hours

This course is designed to introduce graduate students to the concept of disability and to the field of special education. The history, etiology, and characteristics of specific categories of disability will be examined, as will educational programs designed to meet the needs of school-aged students with disabilities. Topics germane to the study of disability and the field of special education, such as inclusion and impact of disability on families, will also be explored.

ED 656 ADVANCED TECHNIQUES AND PRACTICES IN THE EDUCATION OF STUDENTS WITH LEARNING DISABILITIES

AS REQUIRED

3 credit hours

This is a method 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. Prerequisites: ED655 or equivalent.

ED 657 ADVANCED TECHNIQUES AND PRACTICES IN THE EDUCATION OF STUDENTS WITH MODERATE TO SEVERE DISABILITIES

AS REQUIRED

3 credit hours

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 grade levels in various educational settings. It will include the adaptation of content, methodology and delivery of instruction to all students with moderate to severe disabilities. Prerequisites: ED655 or equivalent.

ED 658A SPECIAL TOPICS IN SPECIAL EDUCATION: SPECIAL EDUCATION LAW

AS REQUIRED

3 credit hours

a) Special Topics in Special Education: Special Education Law, b) Special Topics in Special Education: Education of Children with Autism. Students may repeat this course with different special topics. Topic will vary to meet the needs of the students, the Guam Public School System and other educational agencies. Students may repeat this course with different special topics. Prerequisite: ED655.

ED 658B SPECIAL TOPICS IN SPECIAL EDUCATION: EDUCATION WITH CHILDREN WITH AUTISM

AS REQUIRED

3 credit hours

a) Special Topics in Special Education: Special Education Law, b) Special Topics in Special Education: Education of Children with Autism. Students may repeat this course with different special topics. Topic will vary to meet the needs of the students, the Guam Public School System and other educational agencies. Students may repeat this course with different special topics. Prerequisite: ED655.

**ED 659 INTEGRATED METHODOLOGIES FOR
ELEMENTARY MATH AND SCIENCE**

AS REQUIRED

3 credit hours

This course is designed to promote excellence among elementary teacher candidates in the teaching of math and science using STEAM principles. It covers objectives, methods, materials and assessments appropriate for elementary learners in science, technology, engineering, arts and math. It is designed to strengthen candidates' ability to actively engage diverse learners, provide meaningful activities, and effectively assess outcomes and to foster pleasure and creativity in exploring and understanding content through the lens of STEAM.

ED 660 APPLIED LINGUISTICS

FALL ONLY/ALL YEARS

3 credit hours

This course explores the field of applied linguistics, providing a multidisciplinary approach to the solution of language-related problems. The course focuses on implications of second language acquisition research and theories on language pedagogical methods; language policy and language planning; linguistics and poetics; stylistics; the use of literature in language pedagogy; and computer-assisted language learning and language research. Prerequisite: LN300.

**ED 661 SECOND LANGUAGE CURRICULUM
THEORY AND DEVELOPMENT**

FALL ONLY/ALL YEARS

3 credit hours

This course examines curriculum theory and provides the student with the criteria to design a curriculum for a second language and to evaluate the strategies and materials for teaching and language.

**ED 662 SECOND LANGUAGE TESTING AND
EVALUATION**

SPRING ONLY/ALL YEARS

3 credit hours

This is a course in which all the techniques of teaching a second language are united and related to their effectiveness according to parameters derived from language acquisition theory and statistical quantification. Prerequisite: Native or native-like proficiency in English and familiarity with a second language. Also, familiarity with basic arithmetic and algebra.

ED 663 SEMINAR IN PSYCHOLINGUISTICS

SPRING ONLY/EVEN YEARS

3 credit hours

This course provides fundamental knowledge of psycholinguistics and emphasizes its interdisciplinary nature. It encompasses the processes underlying the acquisition of a language and the factors that influence these processes. Prerequisite: LN300.

ED 664 SEMINAR IN BILINGUAL EDUCATION

SPRING ONLY/EVEN YEARS

3 credit hours

This course deals with the various situations where bilingualism occurs. The course is divided into two aspects: a general, theoretical perspective and a contextual perspective of situations where two or more language coexists. In the first part, the focus and concepts that can be applied to the study of bilingualism in general will be traced. The second part will consider the manifestation of bilingualism in the individual and how he/she fits into society. Problems in situations where a great linguistic heterogeneity exists will be presented. Basic themes that confront education and language planning will also be considered, analyzing the contexts and proposing necessary measures for solutions. It will also attempt to raise the consciousness of the educator to his role within the bilingual community.

**ED 667 READING AND WRITING FOR THE
SECOND LANGUAGE STUDENT**

FALL ONLY/ODD YEARS

3 credit hours

This course examines first and second language reading and writing with respect to theory and methodology at various levels of proficiency. Prerequisite: ED600.

**ED 668 TEACHING THE CONTENT AREAS TO
SECOND LANGUAGE STUDENTS**

FALL ONLY/ALL YEARS

3 credit hours

This course discusses various methods, strategies, and techniques for teaching content to second language students. Adapting existing text or materials and developing appropriate materials are also discussed. The course is designed for both elementary and secondary teachers in the regular classroom where there may be one or several second language students. It is also appropriate for teachers of sheltered classes or for ESL resource specialist who wish to know more this topic and how they might assist the regular classroom teacher. Prerequisite: Prospective students should be currently working with second language students.

**ED 669 CULTURE AND ITS INFLUENCE ON
EDUCATION**

AS REQUIRED

3 credit hours

This course looks at culture and cultural values and explores their influence on the educational system - organization, curriculum, and implementation. The course is comparative in nature, examining the U.S. system and comparing it to others. Prerequisite: Graduate Status.

ED 670 EFFECTIVE MIDDLE SCHOOLS

FALL ONLY/ALL YEARS

3 credit hours

Examination of the middle school concept and the rationale for designing educational programs for effective teaching of students at grades 6--8. The course will focus on the needs of middle school student, the effective application of the middle school concept and how teachers could effectively deal with issues related to the middle school.

ED 671 ISSUES AND TRENDS IN EDUCATION

FALL ONLY/ALL YEARS

3 credit hours

This course examines contemporary issues and trends in education such as school reform and effectiveness, desegregation, cultural relevancy, curriculum innovation, and social change. Prerequisite: Graduate student and consent of advisor.

ED 672 PHILOSOPHY OF EDUCATION

FALL ONLY/ALL YEARS

3 credit hours

This course will include examination of three basic areas of philosophy: (a) metaphysics or what is real; (b) epistemology, or what is true; and (c) axiology or what is good, and the relationship of these issues to educational theory and practice. This material will provide a framework for exploration of questions, issues and models of education. Prerequisite: Graduate student standing and consent of advisor.

**ED 673 INCLUSION OF LINGUISTICALLY
DIVERSE STUDENTS**

SPRING ONLY/ALL YEARS

3 credit hours

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.

ED 674 LIFESPAN TRANSITION COUNSELING**AS REQUIRED**

3 credit hours

This course provides instruction in practical counseling applications of transition theory and technique in the specific areas of applied gerontology (age/generations era/passages), cognition (memory loss & retraining), imagery (hypnosis & time), health psychology (sleep dysfunction), and existential thanatology (coping with death). Prerequisite: Consent of Advisor.

ED 675 GROUP COUNSELING PRACTICUM**AS REQUIRED**

3 credit hours

Supervised laboratory experience in group counseling techniques. May be taken concurrently or following ED622 Group Counseling. An elective opportunity to add the depth of a laboratory component to the required theory and research course ED622 and to meet current professional standards for training in group counseling. Prerequisite: ED619, ED620, ED621, ED622 (may be taken concurrently), and consent of advisor

ED 676 MENTORING PRACTICUM FOR COUNSELORS**AS REQUIRED**

3 credit hours

Individually supervised graduate experience of instruction and research in a university setting as preparation for contemporary counseling curricula, evaluation, research, and teaching at all educational levels. Addresses the recently highlighted national career counseling core career competencies of teaching, administration, advocacy, and professional network. Course may be repeated for a maximum of six credits. Prerequisite: consent of advisor

ED 677 ETHICAL AND LEGAL ISSUES IN COUNSELING**FALL ONLY/AS REQUIRED**

3 credit hours

This course is designed to help students in the profession of school and community/mental health counseling to identify and examine ethical, legal, and professional issues encountered in the counseling process and to explore ways to effectively deal with them. Students become familiar with both legal and psychological literature about these issues, including ethical decision-making protocols. Prerequisites: ED619, ED620, ED621 and Consent of advisor

ED 678 ORGANIZATION AND ADMINISTRATION OF SCHOOL COUNSELING PROGRAMS**AS REQUIRED**

3 credit hours

This course focuses on the designing, developing, implementing, and evaluating of contemporary and relevant school counseling programs in accordance with the American School Counselor Association (ASCA) National Model. Foundations of school counseling programs and results-based guidance approaches are examined. In addition, students learn leadership skills necessary to become change agents in order to deliver, manage, and evaluate developmentally appropriate and services to meet the needs of the school and surrounding community. Prerequisites: consent of advisor

ED 679 INTRODUCTION TO COMMUNITY COUNSELING**AS REQUIRED**

3 credit hours

This course is a seminar which includes fieldwork designed to acquaint the student with the functions and roles of the counselor in various community and agency settings. Prerequisites: ED619, ED620, ED621 and Consent of Advisor

ED 683 CLASSROOM MANAGEMENT

FALL ONLY/ALL YEARS

3 credit hours

Course is designed to familiarize students with the primary factors affecting the effective functioning of classrooms and to provide practical knowledge for preventing and resolving management problems.

ED 687 CURRICULUM THEORY AND ASSESSMENT

FALL ONLY/ALL YEARS

3 credit hours

The purpose of this course is to provide the educational leader with an understanding of the social and psychological bases for curriculum development, skills in small group leadership and communication, strategies for working with the various publics involved in curriculum change, and the conceptual base of development of curriculum theory. In addition, this course is designed for teachers to develop skills needed for determining social and academic student needs to enhance the systematic planning of curriculum.

ED 688 PERSONALITY AND MENTAL HEALTH

SPRING ONLY/AS REQUIRED

3 credit hours

This course introduces traditional theories of personality with a focus on personality assessment instruments and the DSM-5 taxonomy of mental and personality disorders. Prerequisites: ED619, ED620, ED621 and Consent of Advisor

ED 689 ENRICHING THE LEARNING EXPERIENCE

SPRING ONLY/ALL YEARS

3 credit hours

This course addresses research based best practices for enriching the learning experience. The course guides students in refining their use of a variety of current best teaching practices and facilitates skill building techniques in how to effectively bring about the teaching-learning process in any classroom setting. Each student has the opportunity to apply the knowledge gained in the content to a variety of teaching and curriculum planning experiences.

ED 690 SPECIAL PROJECT

FALL/SPRING/ALL YEARS

3 - 6 credit hours

ED 691 OVERVIEW SEMINAR:

FALL/SPRING/ALL YEARS

3 credit hours

This seminar is designed as a final, integrative experience for students at the thesis stage of the program. Students review major issues in the field from different theoretical and methodological perspectives and develop their own research, community service and/or professional exploration projects. In addition to presenting work-in-progress reports, providing feedback, and submitting a thesis/final project proposal, students reflect on their experiences in the program, reassess personal views and beliefs and set goals for further development.

ED 692 PRACTICUM:

FALL ONLY/AS REQUIRED

1 - 6 credit hours

PRACTICUM (1-6) A survey of action research theory and methods, focusing on theoretical, methodological, and ethical tenets with an emphasis on applied research in educational settings. **PRACTICUM TESOL (3)** This course is an advanced, supervised practicum in TESOL. The practicum provides an opportunity to teach in an English as a Second Language classroom setting. The course is designed to help candidates understand the connection between teaching and student learning by analyzing the multiple, dynamic relationships between planning, instruction, and assessment. Candidates will complete a Teacher Work Sample as an extended assignment to assess their instructional choices and strategies in relation to current research in pedagogy, curriculum standards, and content area knowledge. Prerequisite: Approval of advisor. **PRACTICUM IN COUNSELING (3)** The practice of counseling in a closely supervised clinical setting for a total of 100 hours, at least 40 of which are direct client contact hours as approved by instructor. Emphasizes is on the practical application of counseling skills and theories for advanced students in the counseling program. Prerequisite: ED619, ED620, ED621, ED622, ED623, ED624, ED625, ED677, and consent of advisor.

ED 695 THESIS:

FALL/SPRING/ALL YEARS

1 - 6 credit hours

ED 697 COMPREHENSIVE EXAM

FALL/SPRING/ALL YEARS

0 credit hours

This course provides an opportunity to document the successful completion of the PRAXIS II or comprehensive exam. It is a way to ensure that a student's academic evaluation accurately reflects the additional requirement for PRAXIS II or comprehensive exam and does not provide a false indication that the student is ready to graduate.

ED 698 INTERNSHIP:

FALL/SPRING/AS REQUIRED

3 - 6 credit hours

INTERNSHIP IN ADMINISTRATION AND SUPERVISION (3-6 credits) F/SP The practice of administration and supervision in an educational setting is the goal of the program. Through the internship, a prospective administrator is exposed to the day to day operations of a school or educational setting. It is a critical transition prior to full time appointment in a position. Prerequisite: At least three Administration/Supervision Specialization Graduate courses and consent of advisor. **INTERNSHIP IN COUNSELING (3 credits)** FA/SP/As Needed The practice of counseling in an approved closely supervised setting for a total of 600 hours, at least 240 of which are direct client contact hours as approved by instructor. Interns meet regularly on campus or on-site with the faculty instructor. This internship may be taken over one semester for 6 credits or two consecutive semesters. Prerequisite: ED619, ED620, ED621, ED622, ED623, ED624, ED625, ED677, ED692 and Consent of Advisor

ED 699 SPECIAL TOPICS

FALL/SPRING/ALL YEARS

1 - 3 credit hours

May be repeated in a different topic area. Prerequisite: Graduate Status and instructor's approval.

ENGLISH (EN)

EN 109 INTRODUCTION TO COLLEGE COMPOSITION

FALL/SPRING/ALL YEARS

4 credit hours

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 FRESHMAN COMPOSITION

FALL/SPRING/ALL YEARS

3 credit hours

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. EN110 must be completed with a grade of "C" or better before taking EN111. Grades are A, B, C, D, F, I or NC. Prerequisites: Completion of EN109 or test out.

EN 111 WRITING FOR RESEARCH

FALL/SPRING/ALL YEARS

3 credit hours

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: EN110 with a grade "C" or better. REVISED AS APPROVED 042116

EN 111H HONORS WRITING FOR RESEARCH

SPRING ONLY/ALL YEARS

3 credit hours

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 EN110, EN111H places emphasis on clarity, accuracy, and effectiveness in written English. Prerequisite: EN110. This course is open to students who are eligible to enroll in Honors courses.

EN 210 INTRODUCTION TO LITERATURE

FALL/SPRING/ALL YEARS

3 credit hours

This course is an introduction to poetry, the short story and drama. Prerequisite: EN110.

EN 210H HONORS INTRODUCTION TO LITERATURE

SPRING ONLY/ALL YEARS

3 credit hours

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: EN110. This course is open to students eligible to enroll in Honors courses.

EN 213 LITERATURE, MYTH AND CULTURE

FALL/SPRING/ALL YEARS

3 credit hours

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: EN110.

EN 225 INTRODUCTION TO LITERARY CRITICISM

FALL ONLY/ALL YEARS

3 credit hours

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: EN111.

EN 311 CREATIVE WRITING

FALL/SPRING/ALL YEARS

3 credit hours

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 BRITISH LITERATURE

SPRING ONLY/ALL YEARS

3 credit hours

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 PROFESSIONAL WRITING

FALL/SPRING/ALL YEARS

3 credit hours

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 AMERICAN LITERATURE

FALL/SPRING/ALL YEARS

3 credit hours

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 WORLD LITERATURE

FALL ONLY/ALL YEARS

3 credit hours

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 ADVANCED COMPOSITION

FALL/SPRING/ALL YEARS

3 credit hours

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 OTHER VOICES

SPRING ONLY/ALL YEARS

3 credit hours

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 THE POETIC TRADITION

SPRING ONLY/ODD YEARS

3 credit hours

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 LITERATURE BY WOMEN

FALL ONLY/ALL YEARS

3 credit hours

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 LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC

FALL ONLY/ALL YEARS

3 credit hours

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 MAJOR AUTHORS

SPRING ONLY/EVEN YEARS

3 credit hours

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 LITERARY GENRES

FALL ONLY/ODD YEARS

3 credit hours

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 LITERARY HISTORY

FALL ONLY/ALL YEARS

3 credit hours

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 RHETORIC AND COMPOSITION

SPRING ONLY/ALL YEARS

3 credit hours

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 400H RHETORIC AND COMPOSITION

SPRING ONLY/ALL YEARS

3 credit hours

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 upper-division courses.

**EN 411 ADVANCED CREATIVE WRITING
WORKSHOP**

SPRING ONLY/ALL YEARS

3 credit hours

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: EN311 or consent of instructor.

EN 450 ENVIRONMENTAL LITERATURE

SPRING ONLY/ALL YEARS

3 credit hours

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 LITERATURES IN ENGLISH

FALL ONLY/ALL YEARS

3 credit hours

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 PACIFIC WOMEN WRITERS

SPRING ONLY/ODD YEARS

3 credit hours

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 WORLD LITERATURES IN TRANSLATION

FALL ONLY/EVEN YEARS

3 credit hours

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 THE MODERN JAPANESE NOVEL

FALL ONLY/ODD YEARS

3 credit hours

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 LITERARY THEORY

SPRING ONLY/ALL YEARS

3 credit hours

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: EN225; nine credit hours in other literature courses; or consent of the instructor.

EN 501 GRADUATE RESEARCH & DOCUMENTATION

FALL ONLY/AS REQUIRED

3 credit hours

This seminar prepares students to meet the research writing requirements of the Master of Arts in English degree, including seminar papers and the Master's Thesis. The course focuses on research methodology as well as the critical, analytical, and rhetorical skills needed for successful graduate-level research in English studies. Students review sources, bibliographic literature, and appropriate indexes, both conventionally and electronically published. Students become skilled in the use of MLA and/or other documentation styles. Required of all candidates for the Masters of Arts in English.

EN 550 ENVIRONMENTAL LITERATURE

SPRING ONLY/AS REQUIRED

3 credit hours

This course offers intensive trans-disciplinary study of major environmental literary modes or as part of the history of eco-criticism 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. Prerequisites: EN501 completed, concurrent enrollment, or consent of instructor.

EN 560 LITERATURES IN ENGLISH

FALL ONLY/AS REQUIRED

3 credit hours

This course offers an intensive study of representative work of authors writing in English, or of a related group of authors (e.g., the metaphysical poets, Commonwealth novelists, or Western Pacific writers). With different subject matter the course may be taken more than once for credit. Prerequisites: Any 200-level literature course (in English) or permission of the instructor.

EN 561 PACIFIC WOMEN WRITERS

SPRING ONLY/ODD YEARS

3 credit hours

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: EN111; Any 200-level literature course or consent of instructor.

EN 570 LITERATURES IN TRANSLATION

FALL ONLY/EVEN YEARS

3 credit hours

This course is a study of representative world literature to acquaint the student with the sweep of history as represented in great works of literature. 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 matter or periods are covered.

**EN 573 MODERN JAPANESE NOVEL IN
TRANSLATION**

FALL ONLY/ODD YEARS

3 credit hours

This course features a 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. Prerequisite: Any 200 level literature course (in English) or permission of the instructor.

EN 580 LITERARY THEORY

SPRING ONLY/ODD YEARS

3 credit hours

Mimetic, pragmatic, and objective theories are considered in relation to specific literary works. An emphasis is placed on twentieth-century criticism and contemporary critical movement and theories. Critical papers are required. Prerequisite: 12 credit hours in literature courses.

**EN 611 SEMINAR: RHETORIC AND
COMPOSITION**

FALL ONLY/AS REQUIRED

3 credit hours

This seminar informs students how rhetorical traditions inform the teaching and major theories of composition, especially those of modern and postmodern eras. The seminar examines how cultural factors such as history, ideology, gender, race, ethnicity, and politics affect composition pedagogy. Prerequisite: EN501 or consent of instructor.

EN 620 GRADUATE WRITING SEMINAR

AS REQUIRED

3 credit hours

This graduate seminar in writing enables advanced students to develop manuscripts for professional development and publication. A workshop structure allows feedback and criticism from peers and instructor. The course may be repeated for credit when different subject matter is covered.

EN 630 SEMINAR: BRITISH LITERATURE

FALL ONLY/AS REQUIRED

3 credit hours

This seminar offers detailed analyses of the major works of British authors. The topics can cover the works of one or more authors of one particular region, a movement, or a period. The course may be repeated for credit when different subject matters or periods are covered. Prerequisite: EN501 or consent of instructor.

EN 640 SEMINAR: AMERICAN LITERATURE

SPRING ONLY/AS REQUIRED

3 credit hours

This seminar offers detailed analyses of the major works of American authors. The topics can cover the works of one or more authors of one particular region, a movement, or a period. The course may be repeated for credit when different subject matters or periods are covered. Prerequisite: EN501 or consent of instructor.

**EN 650 TEACHING COLLEGE COMPOSITION
WITH PRACTICUM**

AS REQUIRED

3 credit hours

This one-semester practicum is a requirement for graduate students to gain experience teaching EN085, EN100, and EN110 in the University of Guam's Composition program. Students will spend the first half of the semester in seminar. Students will engage in observation and teaching in the second half of the semester. Although designed for our University's specific needs, the course provides the theoretical and pedagogical content and the practicum experience necessary for teaching development and freshman composition in any diverse post-secondary setting. Prerequisite: EN611 or consent of instructor.

EN 660 SEMINAR: LITERATURES IN ENGLISH

AS REQUIRED

3 credit hours

This seminar provides intensive study of selected topics in the various literatures in English. Topics may include the work of a particular author, group of authors, movement, or period. The course may be repeated with different topics. Prerequisite: EN501 or consent of instructor.

EN 670 WORLD LITERATURES IN TRANSLATION

SPRING ONLY/EVEN YEARS

3 credit hours

This seminar offers detailed analyses of the major works of famous world authors. The topics can cover the works of one or more authors of one particular region, a movement, or a period. The course may be repeated for credit when different subject matter or periods are covered. Prerequisite (or concurrent with): EN501.

EN 675 SEMINAR IN POSTCOLONIAL LITERATURE

AS REQUIRED

3 credit hours

This course examines topics in postcolonial literature, including the literatures of empire, colonization, and cross-cultural encounters. Readings will focus on current postmodernist and postcolonial literatures to emphasize historical contexts, social attitudes, and contemporary theoretical methods. Prerequisite: EN501 or consent of instructor.

EN 680 CONTEMPORARY CRITICAL THEORY

SPRING ONLY/AS REQUIRED

3 credit hours

This is a seminar in advanced topics and problems of contemporary critical theory. It will benefit students and teachers in literature, cultural history, and education. The course may be repeated with different topics. Prerequisite: EN501 or consent of instructor.

EN 691 GRADUATE SEMINAR

FALL/SPRING/ALL YEARS

3 credit hours

This course involves rigorous study of literary authors, genres, modes, or periods. Although EN691's content will be determined by its instructor and students, the course emphasizes literary study that incorporates various theoretical approaches; close reading of all assigned texts; audio, visual, and electronic components; intensive class discussions; research presentations; and seminar papers. The course may be repeated for credit when different subject matter or periods are covered. Prerequisite: EN501.

EN 695 THESIS

FALL/SPRING/ALL YEARS

1 - 6 credit hours

There are two possible thesis options, Traditional or Creative. The thesis candidate prepares, for six hours of thesis credit, either a study embodying rigorous scholarly research or original creative work of near-publishable quality. This course may be repeated until all six thesis credits are successfully completed. Prerequisites: EN501, EN680, candidacy in the English Master's Program, and consent of instructor.

EN 699 INDEPENDENT READING

FALL/SPRING/ALL YEARS

3 credit hours

ENVIRONMENTAL SCIENCE (EV)**EV 503 BIOLOGICAL LITERATURE AND SCIENTIFIC WRITING**

SPRING ONLY/ALL YEARS

2 credit hours

Survey of biological literature as an assist in thesis and manuscript preparation in the areas of writing, proofreading, literature citation, figure and table preparation. Two hours of lecture weekly.

**EV 504 ENVIRONMENTAL LITERATURE &
SCIENTIFIC PRESENTATION**

SPRING ONLY/ALL YEARS

1 credit hour

This course is designed to develop skills in researching, preparing, and delivering high quality scientific oral presentations while introducing students to timely and worthwhile topics for thesis research or professional projects.

**EV 506 PHYSICAL GEOGRAPHY OF
MICRONESIA**

FALL ONLY/EVEN YEARS

3 credit hours

This course is a study of the origin and characteristics of the physical environments and biogeography of Micronesia through an analysis of physical geographic elements, their patterns of distribution, interrelationships, and problems. Prerequisites: Graduate standing or senior level.

EV 507 ADVANCED STATISTICAL METHODS

FALL ONLY/ALL YEARS

4 credit hours

An advanced course in applied statistical methods as used in the biological and environmental sciences stressing the design and analysis of experimental and observational studies. Lectures will be 4 hours per week. Prerequisites: MA385 or equivalent.

**EV 508 SCIENTIFIC COMPETENCE AND
INTEGRITY**

FALL ONLY/ALL YEARS

3 credit hours

This course examines historical, philosophical, methodological, ethical, and moral aspects of scientific thought and practice in the context of both historical and contemporary issues in natural and environmental science. Readings and discussions are built around classical examples such as the scientific controversy over Continental Drift and Plate Tectonics as well as contemporary environmental issues, ranging from global concerns such as climate and sea level change, to local public concerns such as solid waste management and the safety of tap water. The central objective of the course is to develop the skills and habits of sound critical thinking essential to the progress, ethical practice, and moral application of science.

**EV 510 ENVIRONMENTAL SCIENCE: BIOLOGY/
ECOLOGY**

FALL ONLY

3 credit hours

This course covers concepts of biology needed for further studies in environmental science. Ecological and biological principles are presented including an introduction to ecosystem ecology. Human impacts on the environment on a global and local scale are discussed. Three hours of lecture weekly.

**EV 511 ENVIRONMENTAL SCIENCE:
GEOSCIENCES/ ENGINEERING**

SPRING ONLY/ALL YEARS

3 credit hours

This course is a survey of the key aspects of geology and engineering with which individuals involved in environmental resources investigations should be familiar. Topics include the hydrologic cycle, surface hydrogeology, groundwater movement, engineering measurements, statistical analysis, instrumentation for environmental investigations, and fundamentals of engineering geology and environmental geology. Three hours of lecture a week plus field trips. Prerequisites: MA161a-b, CH100 and CH101 or equivalent.

**EV 512 ENVIRONMENTAL SCIENCE:
ECONOMICS- MANAGEMENT-LAW**

SPRING ONLY/ALL YEARS

3 credit hours

This course equips students with the fundamental elements of microeconomic theory, concepts of environmental economics, techniques of environmental management, and elements of environmental law that are essential for efficient and sustainable conservation, allocation, and management of natural resources, as well as the rational evaluation and effective maintenance of environmental safety and quality.

**EV 513 ENVIRONMENTAL IMPACT
ASSESSMENT**

FALL ONLY/EVEN YEARS

2 credit hours

Discussing, structuring, writing, and evaluating environmental impact assessments, particularly as they apply to Guam and other tropical islands. Course will focus on producing formal environmental impact statements for actual, proposed and hypothetical development projects on Guam.

EV 517 CULTURAL ECOLOGY

FALL ONLY/ODD YEARS

3 credit hours

Cultural ecology looks at the relationship between humans and their biotic and physical environments. Using diachronic and comparative perspectives, this course will survey the cultural ecology of Micronesian islanders. Particular attention will be given to the following themes: history, theory, and methods of cultural ecology; comparison of different approaches to the study of cultural adaptation; adaptation in permissive and marginal environments; and culture change in spatial and temporal perspectives. The format emphasizes seminar discussions and student presentations, but will also include some lectures, slides, films and videos. Prerequisite: Consent of instructor, MI501, MI502, or MI503.

EV 525 EVOLUTIONARY BIOLOGY

FALL ONLY/EVEN YEARS

3 credit hours

This course provides a survey of the origin and evolution of life on Earth, exploring the history and major features of evolutionary change through time and the mechanisms responsible for those changes. The course will also consider evolutionary aspects of genetics, development, ecology, biogeography, systematics and paleontology. Prerequisite: Genetics or consent of instructor.

**EV 529A ENVIRONMENTAL CONTAMINATION
& TOXICOLOGY I: FUNDAMENTAL PRINCIPLES
& BASIC CONCEPTS**

SPRING ONLY/EVEN YEARS

3 credit hours

This course covers the fundamental principles and mechanisms governing the interaction of pollutants with natural systems. The basic concepts of classical and environmental toxicology are also addressed with emphasis on contaminant absorption, distribution, metabolism, systemic toxicology, carcinogenesis, toxicity testing and risk assessment. The course concludes with a general introduction to air, land and water pollution. Three hours of lectures weekly. Prerequisites: BI157, BI158, CH102 and CH103 or equivalent.

**EV 529B ENVIRONMENTAL CONTAMINATION
& TOXICOLOGY II: MAJOR CLASSES OF
ENVIRONMENTAL POLLUTANTS**

SPRING ONLY/ODD YEARS

3 credit hours

This course focuses on classic and contemporary groups of environmental contaminants and their impact on organisms, ecosystems and man. Physical and chemical properties of each contaminant group are discussed in relation to their environmental distribution, fate and toxicity. Occupational health related pollution problems and pollution monitoring strategies are also discussed. Three hours of lectures a week. Prerequisites: BI157, BI158, CH102 and CH103, or equivalent, or consent of instructor. EV/BI529a is also highly recommended as it provides the foundations upon which EV/BI529b is built. Undergraduates may enroll in the course with instructor's consent.

**EV 535 TROPICAL CLIMATE & CLIMATE
VARIABILITY**

FALL ONLY/EVEN YEARS

3 credit hours

This course is a study of the climate of the world's tropical regions. Natural variations in rainfall are studied. Mechanisms for short-term fluctuations and long-term changes including El Niño, La Niña, Quasi-biennial stratospheric oscillations, and the ice ages are presented. Also discussed is what constitutes an optimal climate, and whether or not an ice age is worse than a warmer world. Prerequisites: BI412G, EV511, BI/EV503, or consent of instructor.

**EV 536 HURRICANES AND TYPHOONS: AN
OVERVIEW OF TROPICAL CYCLONES**

SPRING ONLY/ODD YEARS

3 credit hours

This course focuses on tropical cyclones and explores their structure and physics of formation. The climatology of tropical cyclones is examined ranging from the global distribution to inter-annual variability and possible changes to tropical cyclone climate from an anticipated greenhouse-gas-induced global warming. Prerequisites: MA203, PH251, PH210, CH102, CH102L, or consent of instructor.

**EV 537 APPLICATION OF REMOTE SENSING TO
WEATHER AND CLIMATE**

FALL ONLY/ODD YEARS

3 credit hours

This course focuses on the applications of remote sensing platforms for observing and forecasting the weather, and for monitoring earth's climate system. Students explore the history of the international meteorological satellite programs and the United States' effort to modernize its weather satellite constellation. The history of the weather radar is explored, which culminates in the nationwide installation of NEXRAD Doppler weather radars (one of which is on Guam). Principles of satellite and radar physics are introduced. Interpretation of the structure of weather systems from satellite and radar imagery is covered. The use and function of the many instruments onboard satellites are described. Students participate in real-time investigations of local and regional weather patterns using satellite and radar imagery. Prerequisites: MA203, PH210, PH251, CH102, CH102L, or consent of instructor.

EV 542 HYDROLOGY

FALL ONLY/EVEN YEARS

3 credit hours

An in-depth coverage of the topics in engineering hydrology with which all individuals involved in environmental resources investigations should be familiar. Topics will include the hydrologic cycle, surface and groundwater movement and engineering measurements, instrumentation, and analyses appropriate for environmental investigations. Three hours of lecture a week plus field trips. Prerequisites: MA161a-b, or MA165; and MA385, MA387/L or BI412/L

EV 543 HYDROGEOLOGY

FALL ONLY/ODD YEARS

4 credit hours

An introduction to applied hydrogeology, with emphasis on fundamental physical and geological concepts and methods of analysis. Covers physical principles of groundwater movement, geologic origin and characteristics of aquifers, basic water chemistry and interaction with geologic materials, introduction to well hydraulics and aquifer evaluation, and environmental applications. Two hours of lecture plus three-hour lab each week. Prerequisites: Elementary calculus (e.g., Math 203), basic college chemistry (e.g., Chem 102), and concurrent enrollment or completion of EV511 or permission of instructor.

EV 547 PACIFIC ISLAND GEOLOGIC AND CLIMATIC HISTORY

SPRING ONLY/EVEN YEARS

3 credit hours

This course provides students with an understanding of the fundamental processes and effects of earth's geologic and climate history that have created the unique environment of the Pacific basin and the specific processes and conditions that have shaped the environments of the Pacific islands. The course concludes with an examination of geologic and climatic hazards of concern to Pacific island residents. Prerequisites: science or engineering background, and instructor's permission

EV 557 POPULATION ECOLOGY

FALL ONLY/ODD YEARS

3 credit hours

EV/BI 557 This course provides a quantitative background of the processes and principles associated with population dynamics. Both theoretical approaches and applied modeling techniques are used to help students visualize patterns observed in natural systems. The course is relevant for both marine and terrestrial biology or environmental science graduate students, however, examples are mainly focused on marine ecosystems, and coral reefs in particular. Prerequisites: BI157-157L and BI158-158L. Corequisite: BI410.

EV 557L POPULATION ECOLOGY LABORATORY

FALL ONLY/ODD YEARS

1 credit hour

EV/BI 557L This lab is required for EV/BI557, "Population Ecology". The labs provide a quantitative background of the processes and principles associated with population dynamics. Labs consist of applied modeling techniques to help students visualize patterns observed in natural systems. The course is relevant for both marine and terrestrial biology or environmental science graduate students, however, examples are mainly focused on marine ecosystems, and coral reefs in particular. Prerequisites: BI157-157L and BI158-158L. Corequisite: BI410.

EV 558 ADVANCED GEOSPATIAL METHODS

SPRING ONLY/ALL YEARS

4 credit hours

This course focuses on applications of geospatial technologies, including geographic information systems (GIS), remote sensing, and the global positioning system (GPS). It emphasizes applications of geospatial technologies to environmental science and related fields. Topics include geospatial data collection and processing, visualization, analysis, and modeling; geospatial statistical analysis; mobile cloud based geospatial applications; and integration of geospatial technologies. Students will gain an understanding of Advanced Geospatial Techniques; demonstrate abilities to geospatial data collection, processing, and analysis by the means of GIS, remote sensing and GPS; and be able to solve practical problems in environmental science and related fields using geospatial technologies. The course aims to equip students with understanding and experience with the practical use of geospatial technologies in natural sciences, particularly environmental science. Prerequisites: Recommended prerequisites for Environmental Science Graduate Program, and fundamentals of GIS or equivalent, or consent of instructor. Undergraduate students may enroll in the course with the permission of instructor.

EV 561 URBAN LANDSCAPE MANAGEMENT

FALL ONLY/EVEN YEARS

3 credit hours

This course focuses on the integration of ecological theory with vegetation management and includes aspects of horticulture, landscape design, recreation studies, planning and financial management. This course emphasizes the use and management of indigenous and introduced vegetation in the public landscape and explores both scientific and philosophical ideas on reasons for undertaking certain practices.

EV 570 ENVIRONMENTAL ECONOMICS

FALL ONLY/EVEN YEARS

3 credit hours

This course provides a frame of thinking about environmental science in a context of economic analysis. As an applied course, students are prepared to use economic analyses in environmental cases to consider issues such as: valuing the environment; resource allocation over time; opportunity costs; cost/benefit analysis; analysis of environmental options and externalities; modeling economic and ecological systems; effects of population growth and demand on the global environment; and studies of environmental impacts and policy responses. Regional planning and policy issues will be profiled. Prerequisite: Consent of instructor.

EV 581 PHYSICAL OCEANOGRAPHY

SPRING ONLY/EVEN YEARS

3 credit hours

This course is intended to give students a view to how wind, radiation, gravity, friction, and the Earth's rotation determine the ocean's temperature and salinity patterns and currents. Some important processes we study include heat budget of the oceans, exchange of heat with the atmosphere and the role of the ocean in climate, surface mixed layer waves in the ocean, geostrophy, Ekman transport, and Rossby waves. Students learn how to explain physical features of the ocean ranging from microscopic turbulence to global circulation. Prerequisites: MA-203 OR CONSENT OF INSTRUCTOR. Recommended: MA204, PH-251 and PH-252.

EV 598 ENVIRONMENTAL SCIENCE INTERNSHIP

FALL/SPRING/ALL YEARS

1 credit hour

Students gain professional skills in the environmental market place working with a mentor at a local environmental or engineering firm or an appropriate GovGuam or Federal Government agency. This course can be taken twice, but a maximum of two total credits will be allowed as electives toward the Master of Science Degree. Students are expected to intern between 10 and 12 hours per week per credit of EV598.

EV 695 ENVIRONMENTAL SCIENCE THESIS

FALL/SPRING/ALL YEARS

1 - 6 credit hours

EV 698 ENVIRONMENTAL SCIENCE THESIS

FALL/SPRING

1 - 6 credit hours

Environmental science professional track internship

FINE ARTS (FA)

FA 231 SURVEY OF THE ARTS

FALL ONLY/ALL YEARS

3 credit hours

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 331 PHILOSOPHY OF THE ARTS

SPRING ONLY/EVEN YEARS

3 credit hours

This course offer as a study of the major philosophical positions taken in relation to the arts. Prerequisites: FA231 or consent of instructor.

FA 431 SURVIVAL IN THE ARTS

SPRING ONLY/ODD YEARS

3 credit hours

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: FA331 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 FIRST YEAR SEMINAR

FALL/SPRING/ALL YEARS

3 credit hours

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 INTRODUCTION TO GEOGRAPHY

FALL/SPRING/ALL YEARS

3 credit hours

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 WORLD REGIONAL GEOGRAPHY

FALL/SPRING/ALL YEARS

3 credit hours

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 PRINCIPLES OF PHYSICAL GEOGRAPHY

SPRING ONLY/ALL YEARS

4 credit hours

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 ECONOMIC GEOGRAPHY

FALL ONLY/ALL YEARS

3 credit hours

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 341 CULTURAL ECOLOGY

FALL ONLY/ODD YEARS

3 credit hours

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: GE101, AN101 or BI157/157L.

GE 401 GEOGRAPHY OF THE PACIFIC

FALL ONLY/ALL YEARS

3 credit hours

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 NATURAL RESOURCES CONSERVATION
AND MANAGEMENT**

FALL ONLY/EVEN YEARS

3 credit hours

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 475 HUMAN ECOLOGY: PROBLEMS AND
SOLUTIONS**

FALL ONLY/ODD YEARS

3 credit hours

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: SO101, SO202, and MA385, or consent of instructor.

GE 480 SPECIAL TOPICS IN GEOGRAPHY

SPRING ONLY/ALL YEARS

3 credit hours

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.

GE 580 SPECIAL TOPICS IN GEOGRAPHY

SPRING ONLY/ALL YEARS

3 credit hours

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. Students will conduct a research project 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 WORLD HISTORY I**

FALL/SPRING/ALL YEARS

3 credit hours

This course is a comprehensive study of world history from the formation of early complex societies to 1500.

HI 122 WORLD HISTORY II

FALL/SPRING/ALL YEARS

3 credit hours

This course is a comprehensive study of world history from 1500 to the present.

HI 201 EARLY AMERICA

FALL/SPRING/ALL YEARS

3 credit hours

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 MODERN AMERICA

FALL/SPRING/ALL YEARS

3 credit hours

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 HISTORY OF GUAM

FALL/SPRING/ALL YEARS

3 credit hours

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 HISTORY OF MICRONESIA

FALL ONLY/ALL YEARS

3 credit hours

This course is an introduction to the traditional and western history of the Micronesian islands.

HI 306 MODERN AMERICAN MILITARY HISTORY

SPRING ONLY/ALL YEARS

3 credit hours

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 THE HISTORIANS' CRAFT

FALL ONLY/ALL YEARS

3 credit hours

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 RESEARCH METHODOLOGIES IN HISTORY

FALL ONLY/ODD YEARS

3 credit hours

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 HISTORY OF EAST ASIA TO 1600

FALL ONLY

3 credit hours

This course focuses on the characteristics of East Asian civilizations as they developed in pre-modern China, Japan, and Korea.

HI 372 HISTORY OF EAST ASIA SINCE 1600

SPRING ONLY/ALL YEARS

3 credit hours

This course examines continuity and change in East Asia (China, Japan and Korea) since 1600.

HI 406 THE US IN RECENT TIMES

FALL ONLY/ODD YEARS

3 credit hours

Students in this course explore the major social, economic, cultural, diplomatic, and political developments in the United States since 1945.

HI 409 DIPLOMATIC HISTORY OF THE UNITED STATES

FALL ONLY/EVEN YEARS

3 credit hours

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 TOPICS IN WESTERN HISTORY

SPRING ONLY/ALL YEARS

3 credit hours

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 420G TOPICS IN WESTERN HISTORY

SPRING ONLY/ALL YEARS

3 credit hours

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.

Prerequisite: HI121 or HI122.

HI 441 HISTORY OF THE PHILIPPINES

FALL ONLY/ODD YEARS

3 credit hours

Students in this course survey Philippine history and society from earliest times to the present.

HI 444 MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT

SPRING ONLY/EVEN YEARS

3 credit hours

This course covers colonial and post-colonial rule in the Pacific.

HI 444G MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT

SPRING ONLY/EVEN YEARS

3 credit hours

This course covers colonial and post-colonial rule in the Pacific. Prerequisite: HI121 or HI122.

HI 450 TOPICS IN PACIFIC HISTORY

SPRING ONLY/ALL YEARS

3 credit hours

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 450G TOPICS IN PACIFIC HISTORY

SPRING ONLY/ALL YEARS

3 credit hours

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.

Prerequisite: HI121 or HI122.

HI 455 TOPICS IN PRE-MODERN HISTORY

AS REQUIRED/AS REQUIRED

3 credit hours

This course is an intensive study of a specific topic or problem in Pre-Modern History. With different subject matter, the course may be taken more than once for credit.

HI 474 HISTORY OF MODERN JAPAN

SPRING ONLY/EVEN YEARS

3 credit hours

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 474G HISTORY OF MODERN JAPAN

SPRING ONLY/EVEN YEARS

3 credit hours

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 HISTORY OF MODERN CHINA

FALL ONLY/ODD YEARS

3 credit hours

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 THE HISTORY OF MODERN KOREA

AS REQUIRED

3 credit hours

This course emphasizes the evolution of Korea from the Yi Dynasty (1392-1910) to the present.

HI 478G THE HISTORY OF MODERN KOREA

FALL ONLY/EVEN YEARS

3 credit hours

This course emphasizes the evolution of Korea from the Yi Dynasty (1392-1910) to the present. Prerequisite: HI122.

HI 480 TOPICS IN ASIAN HISTORY

FALL ONLY/AS REQUIRED

3 credit hours

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.

HI 480G TOPICS IN ASIAN HISTORY

FALL ONLY/ALL YEARS

3 credit hours

This course is an intensive study of a specific topic or problem in Asian History. With different subject matter, this course may be taken more than once for credit. Prerequisite: HI121 or HI122.

HI 492 CAPSTONE IN HISTORY

1 - 3 credit hours

This course is intended to provide upper-level undergraduate and graduate students in history and related fields an opportunity to gain practical experience in teaching world history. Students enrolled will observe lectures and perform pedagogical tasks for the 100-level class (HI122) as well as attend additional training and planning sessions during the week. The course will be divided into three parts: the first will focus on preparing a course in world history; the second will explore effective teaching techniques and introduce tools and materials used during the semester; the third section will explore how to evaluate student work and determine the effectiveness of one's own performance teaching in the classroom.

HEALTH SCIENCES (HS)**HS 104 CONDITIONING AND FITNESS**

FALL/SPRING/ALL YEARS

1 credit hour

This is a program of exercise designed to develop strength, endurance, flexibility, coordination and power supplemented by weight training and aerobic conditioning.

HS 105 STRENGTH TRAINING

FALL/SPRING/ALL YEARS

1 credit hour

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 AEROBIC DANCE

FALL/SPRING/ALL YEARS

1 credit hour

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 BEGINNING TENNIS

AS REQUIRED

1 credit hour

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 VOLLEYBALL

AS REQUIRED

1 credit hour

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 BASKETBALL

AS REQUIRED

1 credit hour

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 BEGINNING SWIMMING

AS REQUIRED

1 credit hour

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 INTERMEDIATE SWIMMING

AS REQUIRED

1 credit hour

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 AIKIDO

FALL ONLY/ALL YEARS

1 credit hour

This course covers rules, etiquette, basic roll, simple holds and breaking of such holds, and offers special conditioning exercises.

HS 143 TAE KWON DO

SPRING ONLY/ALL YEARS

1 credit hour

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 FENCING

AS REQUIRED

1 credit hour

(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.

HS 144B FENCING

AS REQUIRED

1 credit hour

(B) Emphasis is placed upon improving basic skills and fundamentals of fencing.

HS 145 BEGINNING HATHA YOGA

SPRING ONLY/ALL YEARS

1 credit hour

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 HEALTH AND WELLNESS

FALL/SPRING/ALL YEARS

3 credit hours

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 HUMAN BIOLOGY AND BEHAVIOR

FALL ONLY/ALL YEARS

3 credit hours

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 INTRODUCTION TO PUBLIC HEALTH

FALL ONLY/ALL YEARS

3 credit hours

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 322 KINESIOLOGY

FALL ONLY/ALL YEARS

3 credit hours

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 EN111 and BI124-124L.

HS 324 EXERCISE PHYSIOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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 EN111, BI124-124L, BI125-125L, or consent of instructor required.

HS 350 TEST AND MEASUREMENT IN HUMAN PERFORMANCE

SPRING ONLY/ALL YEARS

3 credit hours

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 355 HUMAN SEXUALITY

SPRING ONLY/ALL YEARS

3 credit hours

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 EPIDEMIOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

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. Prerequisite: HS-216.

HS 405G EPIDEMIOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

This course offers an overview of epidemiology and the epidemiology 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. Prerequisite: Consent of Instructor.

HS 416 RESEARCH IN NURSING AND HEALTH SCIENCES

FALL ONLY/ALL YEARS

3 credit hours

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: HS405 MA387 and MA387L.

HS 451 RESEARCH AND REPORT WRITING

SPRING ONLY/ALL YEARS

3 credit hours

This is a follow-up course to HS/NU416. Students will have the opportunity to use the work from HS/NU416 to write a research paper, report, and/or proposal for a grant. Prerequisite: HS416.

HS 491 CURRENT TOPICS IN HEALTH SCIENCES

FALL/SPRING/ALL YEARS

3 credit hours

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: HS216.

HS 498 INTERNSHIP IN HEALTH SCIENCES

FALL/SPRING/ALL YEARS

6 credit hours

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/Corequisite: Consent of instructor.

LINGUISTICS (LN)

LN 101 INTRODUCTION TO LANGUAGE

FALL/SPRING/ALL YEARS

3 credit hours

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 INTRODUCTION TO LINGUISTICS

FALL/SPRING/ALL YEARS

3 credit hours

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: EN111.

LN 350 LINGUISTICS AND THE LANGUAGE ARTS

FALL ONLY/ALL YEARS

3 credit hours

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: LN300 or consent of instructor.

LN 371 WORLD ENGLISHES

FALL ONLY/ALL YEARS

3 credit hours

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: LN300 or consent of instructor.

LN 385 STRUCTURE OF ENGLISH

SPRING ONLY/ALL YEARS

3 credit hours

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: LN300 or consent of instructor.

LN 400 APPLIED LINGUISTICS

FALL/SPRING/ALL YEARS

3 credit hours

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: LN300; senior status; or consent of the instructor.

LN 400G APPLIED LINGUISTICS

FALL ONLY/ODD YEARS

3 credit hours

This course covers methods of teaching English as A second Language. It familiarizes students with test Drills, activities, and exercises used in ESL programs. Work on Materials Preparation dealing with phonological, Syntactical, and Semantic problems is included. Prerequisite: LN300

LN 402 HISTORY OF THE ENGLISH LANGUAGE

SPRING ONLY/ALL YEARS

3 credit hours

This course is an historical survey of the sound, structure, and syntax of the English language from 900 A.D. to the present. Prerequisite: LN300 or consent of instructor.

LN 440 TOPICS IN LINGUISTICS

FALL/SPRING/ALL YEARS

3 credit hours

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: LN300 or consent of instructor.

LN 440B TOPICS IN LINGUISTICS: PRAGMATICS

FALL/SPRING/ALL YEARS

3 credit hours

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: LN300 or consent of instructor.

LN 440B/G TOPICS IN LINGUISTICS: PRAGMATICS

FALL/SPRING/ALL YEARS

3 credit hours

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: LN300 or consent of instructor.

LN 440G TOPICS IN LINGUISTICS

FALL/SPRING/ALL YEARS

3 credit hours

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 for credit with different topics. Prerequisite: LN300 or consent of instructor.

LN 460 INTRODUCTION TO SOCIOLINGUISTICS

FALL ONLY/ALL YEARS

3 credit hours

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: LN300 or consent of instructor.

LN 500 APPLIED LINGUISTICS

FALL/SPRING/ALL YEARS

3 credit hours

This course covers methods of teaching English as a second language. It familiarizes students with test drills, activities, and exercises used in ESL programs. Work on materials preparation dealing with phonological, syntactical, and semantic problems is included.

Prerequisite: LN300 or consent of instructor.

**LN 501 GRADUATE RESEARCH &
DOCUMENTATION**

FALL ONLY/AS REQUIRED

3 credit hours

This seminar prepares students to meet the research writing requirements of the Master of Arts in English degree, including seminar papers and the Master's Thesis. The course focuses on research methodology as well as the critical, analytical, and rhetorical skills needed for successful graduate-level research in English studies. Students review sources, bibliographic literature, and appropriate indexes, both conventionally and electronically published. Students become skilled in the use of MLA and/or other documentation styles. Required of all candidates for the Masters of Arts in English.

LN 502 HISTORY OF THE ENGLISH LANGUAGE

SPRING ONLY/EVEN YEARS

3 credit hours

This course traces the history and development of English sounds, morphology, syntax, orthography, and lexicon from Anglo Saxon times to the present. Topics include the relationship of English to other Indo-European languages, borrowing, sound change, syntactic change, morphological change, lexical change, changes in meaning over time, and some current varieties of world "Englishes." Prerequisite: LN300 or consent of instructor.

LN 560 INTRODUCTION TO SOCIOLINGUISTICS

FALL ONLY/ODD YEARS

3 credit hours

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: LN300 or consent of instructor.

LN 620 GRADUATE WRITING SEMINAR

AS REQUIRED

3 credit hours

This graduate seminar in writing enables advanced students to develop manuscripts for professional development and publication. A workshop structure allows feedback and criticism from peers and instructor. The course may be repeated for credit when different subject matter is covered.

**LN 662 SECOND LANGUAGE TESTING AND
EVALUATION**

FALL ONLY/ALL YEARS

3 credit hours

This is a course in which all the techniques of teaching a second language are united and related to their effectiveness according to parameters derived from language acquisition theory and statistical quantification. Prerequisite: Native or native-like proficiency in English and familiarity with a second language. Also, familiarity with basic arithmetic and algebra.

LN 663 SEMINAR IN PSYCHOLINGUISTICS

SPRING ONLY/EVEN YEARS

3 credit hours

This course provides fundamental knowledge of psycholinguistics and emphasizes its interdisciplinary nature. It encompasses the processes underlying the acquisition of a language and the factors that influence these processes. Prerequisite: LN300.

LN 680 CONTEMPORARY CRITICAL THEORY

SPRING ONLY/AS REQUIRED

3 credit hours

This is a seminar in advanced topics and problems of contemporary critical theory. It will benefit students and teachers in literature, cultural history, and education. The course may be repeated with different topics. Prerequisite: EN501 or consent of instructor.

LN 691 GRADUATE SEMINAR

FALL/SPRING/ALL YEARS

3 credit hours

This course involves rigorous study of literary authors, genres, modes, or periods. Although EN691s content will be determined by its instructor and students, the course emphasizes literary study that incorporates various theoretical approaches; close reading of all assigned texts; audio, visual, and electronic components; intensive class discussions; research presentations; and seminar papers. The course may be repeated for credit when different subject matter or periods are covered. Prerequisite: EN501.

LN 695 THESIS

FALL/SPRING/ALL YEARS

1 - 6 credit hours

There are two possible thesis options, Traditional or Creative. The thesis candidate prepares, for six hours of thesis credit, either a study embodying rigorous scholarly research or original creative work of near-publishable quality. This course may be repeated until all six thesis credits are successfully completed. Prerequisites: EN501, EN680, candidacy in the English Master's Program, and consent of instructor. Prerequisites: EN501, EN680, candidacy in the English Masters Program, and consent of instructor.

LIBRARY SCIENCE (LS)**LS 312 SCHOOL LIBRARY/MEDIA
ADMINISTRATION**

SPRING ONLY/ODD YEARS

3 credit hours

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 SCHOOL LIBRARY METHODS: TEACHING
AND LEARNING IN THE SCHOOL LIBRARY**

FALL ONLY/ODD YEARS

3 credit hours

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 REFERENCE AND INFORMATION
SOURCES AND SERVICES**

SPRING ONLY/EVEN YEARS

3 credit hours

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 410 CATALOGING AND CLASSIFICATION OF
SCHOOL LIBRARY MATERIALS**

FALL ONLY/EVEN YEARS

3 credit hours

This course is an introduction to the standard and descriptive cataloging, subject cataloging, and classification of library materials. The primary focus of the course is to present the purpose, theory and principles of cataloging and classification necessary for libraries in the 21st century, including Dewey Decimal Classification. Sears Subject Headings as well as schemes and tools applicable to digital resources. This includes construction of a main catalog for the school library, including audiovisual materials and digital resources and of processing materials from acquisition to circulation.

**LS 411 BUILDING SCHOOL LIBRARY
COLLECTIONS**

SPRING ONLY/EVEN YEARS

3 credit hours

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. The critical examination and discussions about 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 will serve as the basis for creating a comprehensive collection development and maintenance plan that is both responsive to the community needs as well as provides necessary protections for the collection.

LS 419 CHILDREN'S LITERATURE

FALL/SPRING/ALL YEARS

3 credit hours

This course focuses on the growing body of international literature created for children and adolescents, and on the issues that surround the development, selection and use of this literature. It 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 420 YOUNG ADULT LITERATURE

SPRING ONLY/ODD YEARS

3 credit hours

This is a survey of books and other forms of literature that are 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 451 AUDIO VISUAL EDUCATION

FALL/SPRING/ALL YEARS

3 credit hours

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: ED300 or consent of instructor.

LS 452 COMPUTERS IN EDUCATION

FALL ONLY/ALL YEARS

3 credit hours

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 MULTIMEDIA MATERIALS AND SERVICES

FALL ONLY/EVEN YEARS

3 credit hours

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: ED451 and LS310 or consent

LEGAL STUDIES (CJ) (LW)**LW 101 INTRODUCTION TO CRIMINAL JUSTICE**

FALL/SPRING/ALL YEARS

3 credit hours

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 PERSONAL LAW

FALL/SPRING/ALL YEARS

3 credit hours

Personal Law introduces basic legal principles and their application to everyday human relations.

LW 202 TRIAL AND EVIDENCE

FALL/SPRING/ALL YEARS

3 credit hours

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 SECURITY MANAGEMENT IN BUSINESS AND GOVERNMENT

FALL/SPRING/ALL YEARS

3 credit hours

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 LEGAL REASONING, RESEARCH AND WRITING

FALL/SPRING/ALL YEARS

3 credit hours

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 CRIMINAL LAW

FALL/SPRING/ALL YEARS

3 credit hours

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 CORRECTIONAL SECURITY MANAGEMENT AND ADMINISTRATION

FALL/SPRING/ALL YEARS

3 credit hours

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 ADMINISTRATIVE PROCEDURE

FALL/SPRING/ALL YEARS

3 credit hours

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 CONSTITUTIONAL LAW

FALL/SPRING/ALL YEARS

3 credit hours

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 ADMINISTRATION AND MANAGEMENT OF CRIMINAL JUSTICE ORGANIZATIONS

FALL/SPRING/ALL YEARS

3 credit hours

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 409A CURRENT NATIONAL TOPICS

FALL/SPRING/ALL YEARS

3 credit hours

This course incorporates applied research and real world applications in the field of criminal Justice under the guidance of a major professor. This 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. May be taken more than once if topic is different. A. Current national topics. B. Current island Pacific topics. C. Death investigations d. Major crimes investigations e. International Crime

LW 409B CURRENT PACIFIC ISLAND TOPICS

FALL/SPRING/ALL YEARS

3 credit hours

This course incorporates applied research and real World applications in the field of criminal Justice under the guidance of a major professor. This courses examines current problems in law Enforcement and criminal justice at the Territorial and national leaves 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. May be taken more than once if topic is different. A. Current national topics. B. Current island Pacific topis. C. Death investigations d. Major crimes investigations e. International Crime

LW 409C DEATH INVESTIGATION

FALL/SPRING/ALL YEARS

3 credit hours

This course incorporates applied research and real World applications in the field of criminal Justice under the guidance of a major professor. This courses examines current problems in law Enforcement and criminal justice at the Territorial and national leaves 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. May be taken more than once if topic is different. A. Current national topics. B. Current island Pacific topis. C. Death investigations d. Major crimes investigations e. International Crime

LW 409D MAJOR CRIMES INVESTIGATIONS

FALL/SPRING/ALL YEARS

3 credit hours

This course incorporates applied research and real World applications in the field of criminal Justice under the guidance of a major professor. This courses examines current problems in law Enforcement and criminal justice at the Territorial and national leaves 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. May be taken more than once if topic is different. A. Current national topics. B. Current island Pacific topis. C. Death investigations d. Major crimes investigations e. International Crime

LW 409E INTERNATIONAL CRIME

FALL/SPRING/ALL YEARS

3 credit hours

This course incorporates applied research and real World applications in the field of criminal Justice under the guidance of a major professor. This courses examines current problems in law Enforcement and criminal justice at the Territorial and national leaves 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. May be taken more than once if topic is different. A. Current national topics. B. Current island Pacific topis. C. Death investigations d. Major crimes investigations e. International Crime

LW 442 LAW AND ETHICS IN BUSINESS AND GOVERNMENT

FALL/SPRING/ALL YEARS

3 credit hours

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 BUSINESS LAW II

FALL/SPRING/ALL YEARS

3 credit hours

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 CRIMINAL JUSTICE CAPSTONE

FALL/SPRING/ALL YEARS

3 credit hours

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 PA405 and either PA305 or tvIA385; and c) Consent of the Instructor.

LW 490 SPECIAL PROJECT IN LEGAL STUDIES

FALL/SPRING/ALL YEARS

1 - 3 credit hours

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 LEGAL STUDIES INTERNSHIP

FALL/SPRING/ALL YEARS

3 credit hours

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.

MATHEMATICS (MA)

MA 085A FUNDAMENTALS OF MATHEMATICS

FALL/SPRING/ALL YEARS

3 credit hours

MA085a-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. MA085a includes whole, decimal and signed numbers, fractions, ratios, percent, operations, equations and inequalities. MA085b includes polynomials, factoring, rational and radical expressions, exponents and quadratic equations. A student may successfully complete either the MA085a~b sequence or the MA089 course for non-degree-units (NDUs), but may not receive NDUs for completion of both MA085a-b and MA089. Grades for students in MA085a must be C or better to enroll in MA085b. Grades for students in MA085b must be C or better to enroll in MA 110, MA 115, or MA 151. Prerequisite: Mathematics placement test.

MA 085B FUNDAMENTALS OF MATHEMATICS

FALL/SPRING/ALL YEARS

3 credit hours

MA085a-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. MA085a includes whole, decimal and signed numbers, fractions, ratios, percent, operations, equations and inequalities. MA085b includes polynomials, factoring, rational and radical expressions, exponents and quadratic equations. A student may successfully complete either the MA085a~b sequence or the MA089 course for non-degree-units (NDUs), but may not receive NDUs for completion of both MA085a-b and MA089. Grades for students in MA085a must be C or better to enroll in MA085b. Grades for students in MA085b must be C or better to enroll in MA 110, MA 115, or MA 151. Prerequisite: Mathematics placement test.

MA 089 FUNDAMENTALS OF MATHEMATICS

FALL/SPRING/ALL YEARS

5 credit hours

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 MA085a-b. Students must earn a grade of C or higher to enroll in MA110, MA115, or MA151. Prerequisite: Mathematics Placement Test.

MA 110 BASIC MATHEMATICAL APPLICATIONS

FALL/SPRING/ALL YEARS

3 credit hours

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 INTRODUCTORY COLLEGE ALGEBRA

FALL/SPRING/ALL YEARS

3 credit hours

This course prepares students for MA161a-b or MA165. 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 MA085b or MA089, completed within the previous 3 semesters, or placement.

MA 150 MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS

FALL/SPRING/ALL YEARS

3 credit hours

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: MA115 and MA151.

MA 151 INTRODUCTORY STATISTICS

FALL/SPRING/ALL YEARS

3 credit hours

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 MA085b or MA089, completed within the previous 3 semesters, or placement.

MA 161A COLLEGE ALGEBRA AND TRIGONOMETRY

FALL/SPRING/ALL YEARS

3 credit hours

MA161a includes algebraic, exponential and logarithmic functions, systems of equations and inequalities. MA161b includes trigonometry, additional algebraic functions, sequences, series and probability. A student may receive credit for either the MA161a-b sequence or the MA 165 course, but not a combination of the two. Prerequisite: Grade of C or better in MA115 or Placement.

MA 161B COLLEGE ALGEBRA AND TRIGONOMETRY

FALL/SPRING/ALL YEARS

3 credit hours

MA161a includes algebraic, exponential and logarithmic functions, systems of equations and inequalities. MA161b includes trigonometry, additional algebraic functions, sequences, series and probability. A student may receive credit for either the MA161a-b sequence or the MA 165 course, but not a combination of the two. Prerequisite: Grade of C or better in MA161a.

MA 165 PRECALCULUS

FALL/SPRING/ALL YEARS

5 credit hours

Topics include algebraic, exponential and logarithmic functions; systems of equations and inequalities; trigonometry; sequences and series. A student may receive credit for either the MA161a-b sequence or the MA 165 course, but not a combination of the two. Prerequisite: Grade of C or better in MA115 or Placement.

MA 203 CALCULUS I

FALL/SPRING/ALL YEARS

5 credit hours

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 MA161b or MA165 or placement or equivalent.

MA 204 CALCULUS II

FALL/SPRING/ALL YEARS

5 credit hours

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 MA203.

MA 205 MULTIVARIABLE CALCULUS

FALL/SPRING/ALL YEARS

4 credit hours

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 MA204.

MA 301 DIFFERENTIAL EQUATIONS

SPRING ONLY/ALL YEARS

3 credit hours

This course covers the study of the fundamental concepts of differential equations with applications. Prerequisite: Grade of C or better in MA204.



MA 302 FOUNDATIONS OF HIGHER MATHEMATICS

SPRING ONLY/ALL YEARS
3 credit hours

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 MA205, or C or better in MA341, or A- or better in MA204.

MA 341 LINEAR ALGEBRA

FALL/SPRING/ALL YEARS
3 credit hours

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 MA204, or A in MA203.

MA 351 DISCRETE STRUCTURES

SPRING ONLY/ALL YEARS
3 credit hours

This course introduces the rigorous theoretical framework within which ideas about computer science can be expressed. Prerequisite: Grade of C or better in MA204.

MA 361 NUMBER THEORY

SPRING ONLY/EVEN YEARS
3 credit hours

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 MA205 and MA302.

MA 375 NUMERICAL METHODS AND SOFTWARE

SPRING ONLY/ODD YEARS
3 credit hours

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 MA204 and MA341, CS201 or CS202.

MA 385 APPLIED STATISTICS

FALL/SPRING/ALL YEARS
3 credit hours

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 MA151 or equivalent course.

MA 387 STATISTICS FOR SCIENCES

FALL ONLY/ALL YEARS
3 credit hours

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, MA387L must be taken concurrently. Prerequisite: Grade C or better in MA161A or higher. Students enrolled in MA387 Statistics for Sciences for credit may not also earn credit for MA385 Applied Statistics.

MA 387L STATISTICS FOR SCIENCE LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

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 MA387 concurrently.

MA 392 LABORATORY TEACHING AND ASSISTING

FALL/SPRING/ALL YEARS

1 - 2 credit hours

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 MA203 or consent of instructor.

MA 411 INTRODUCTION TO ABSTRACT ALGEBRA I

FALL ONLY/ALL YEARS

3 credit hours

This course offers a study of modern algebra with topics from group theory and ring theory. Prerequisites: Grades of C or better in MA205, MA302 and MA341.

MA 411G INTRODUCTION TO ABSTRACT ALGEBRA I

SPRING ONLY/EVEN YEARS

3 credit hours

This course offers a study of modern algebra with topics from group theory and ring theory. Prerequisites: Grades of C or better in both MA205, MA302, and MA341.

MA 412 INTRODUCTION TO ALGEBRA II

SPRING ONLY/ALL YEARS

3 credit hours

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 MA411.

MA 412G INTRODUCTION TO ABSTRACT ALGEBRA II

SPRING ONLY/ALL YEARS

3 credit hours

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 MA341 and MA411.

MA 421 INTRODUCTION TO ANALYSIS I

FALL ONLY/ALL YEARS

3 credit hours

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 MA205 and MA302.

MA 421G INTRODUCTION TO ANALYSIS I

FALL ONLY/EVEN YEARS

3 credit hours

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: Grades of C or better in MA205 and MA302.

MA 422 INTRODUCTION TO ANALYSIS II

SPRING ONLY/ALL YEARS

3 credit hours

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 MA421.

MA 422G INTRODUCTION TO ANALYSIS II

SPRING ONLY/ODD YEARS

3 credit hours

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. Prerequisite: A grade of C or better in MA421G.

MA 431 TOPICS IN ADVANCED MATHEMATICS

AS REQUIRED

3 credit hours

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 MA205 and MA302.

MA 431G TOPICS IN ADVANCED MATHEMATICS

SPRING ONLY/EVEN YEARS

3 credit hours

This course offers selected topics in advanced mathematics such as topology, mathematical induction, non-Euclidean geometries. With different subject matter may be repeated for credit. Prerequisite: Grades of C or above in MA205 and MA302.

MA 441 MODERN GEOMETRY

AS REQUIRED

3 credit hours

This course treats non-Euclidean and advanced Euclidean geometry. Prerequisites: Grades of C or better in both MA205 and MA302.

MA 441G MODERN GEOMETRY

SPRING ONLY/ODD YEARS

3 credit hours

This course treats non-Euclidean and advanced Euclidean geometry. Prerequisites: Grades of C or better in both MA205 and MA302.

MA 451 INTRODUCTION TO PROBABILITY THEORY

FALL ONLY/EVEN YEARS

3 credit hours

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: MA151 or equivalent and grade of C or better in MA302.

MA 451G PROBABILITY AND STATISTICS

FALL ONLY/EVEN YEARS

3 credit hours

This course covers probability models and distributions, including univariate and multivariate distributions, and provides an introduction to parametric and nonparametric decision theory. Prerequisites: MA151 or equivalent and grade of C or better in MA302. Corequisite: MA205.

MA 453 OPERATIONS RESEARCH MODELS

AS REQUIRED

3 credit hours

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: MA341 and either MA385 or MA387 and MA387L.

MA 460 NUMERICAL LINEAR ALGEBRA

AS REQUIRED

3 credit hours

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 MA205, MA302, and MA375.

MA 460G NUMERICAL LINEAR ALGEBRA

SPRING ONLY/ODD YEARS

3 credit hours

This 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 MA205, MA302, and MA341.

MA 461G NUMERICAL ANALYSIS

FALL ONLY/ODD YEARS

3 credit hours

This course covers: root finding for non-linear equations, numerical integration, numerical methods for ordinary differential equations, interpolation theory, and approximation functions. The course makes use of numerical software libraries. Prerequisites: Grade of C or better in MA205 and MA302.

MA 472 FOURIER SERIES AND BOUNDARY VALUE PROBLEMS

FALL ONLY/EVEN YEARS

3 credit hours

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: Grade of C or better in MA205 and MA301.

MICRONESIAN STUDIES (MI)**MI 461 PACIFIC WOMEN WRITERS**

SPRING ONLY/EVEN YEARS

3 credit hours

This course entails an intensive study of representative works of Pacific Women Writers to acquaint the students with the contours-in terms of styles, themes, symbols, images, language, politics, and subject matter-of the writing of females who represent an emerging literature as well as a new exciting part of the region's cultural heritage. Students will emerge with 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. Prerequisites: EN210, EN323 or consent of the Instructor.

MI 461G PACIFIC WOMEN WRITERS

3 credit hours

This course entails an intensive study of representative works Of pacific women writers to acquaint the students with the Contours--in terms of styles, themes, symbols, images, language, politics, and subject matter--of the writing of females who Represent an emerging literature as well as a new and exciting part of the region's cultural heritage. Students will emerge with 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 210,EN 215 or instructor's consent.

MI 501 PEOPLES AND CULTURES OF MICRO

FALL ONLY/ALL YEARS

3 credit hours

This course provides a comprehensive overview of the cultures and societies of the Micronesian area. Prerequisite: Graduate Standing or Senior Level or Consent of Instructor.

MI 502 HISTORY OF MICRONESIA

SPRING ONLY/ALL YEARS

3 credit hours

This course provides a comprehensive understanding of a thematic historical approach of the Micronesian region. A critical examination of the various forms of historical evidence, both indigenous and Western, pertaining to the region will be addressed. Prerequisite: Graduate Standing or Senior Level or Consent of Instructor.

MI 503 CONTEMPORARY ISSUES AND PROBLEMS

SPRING ONLY/ALL YEARS

3 credit hours

This course provides an in-depth understanding of contemporary issues and problems facing Micronesian society: economic development, political status and change, ethnicity and population shift, resources and environment, social and health problems. Prerequisite: Graduate Standing or Senior Level or Consent of instructor.

MI 506 PHYSICAL GEOGRAPHY OF MICRONESIA

FALL ONLY/EVEN YEARS

3 credit hours

This course is a study of the origin and characteristics of the physical environments and biogeography of Micronesia through an analysis of physical geographic elements, their patterns of distribution, interrelationships, and problems. Prerequisites: Graduate standing or senior level.

MI 508 MICRONESIAN PHILOSOPHY

AS REQUIRED

3 credit hours

This course examines the various approaches to philosophy found in Micronesia. Philosophy is framed by historical and cultural conditions. This course will explicate the meaning and significance of philosophical wisdom for the dominant cultures, past and present, in Micronesia. Prerequisite: Graduate Standing.

MI 510 GOVERNANCE OF ISLAND POLITIES

SPRING ONLY/ODD YEARS

3 credit hours

This course is an analysis the challenges confronting government and political life on Guam and other Pacific island polities, focusing on examples from Micronesia related to post-colonial transition, globalization, economic strategies, globalization, cultural preservation, and sustainability of island societies. Prerequisites: MI502 or consent of instructor.

MI 512 GUAM/CHAMORRO STUDIES

FALL ONLY/EVEN YEARS

3 credit hours

This seminar is a historical analysis of Guam's colonial legacy and a critical examination of major contemporary issues including CHamoru cultural survival, land, social and economic development, political status, religion, and modern modes of scholarly inquiry in Guam. This seminar presupposes introductory courses in the History of Guam (HI211) or related disciplines such as Culture and Education in Guam (ED265); Government and Politics of Guam (PS303); Introduction to Community Services on Guam (SW110).

MI 513 RESEARCH METHODOLOGY IN SOCIAL SCIENCES

SPRING ONLY/ALL YEARS

3 credit hours

Basic research design, sampling techniques, survey procedures, and systematic observation strategies are presented. A strong emphasis is placed on writing skills and the oral presentation of research findings. Prerequisite: Graduate Standing or Senior Level or Consent of Instructor.

**MI 514 HEALTH AND HUMAN ADAPTATION IN
MICRONESIA**

SPRING ONLY/ODD YEARS

3 credit hours

Primarily rooted in medical anthropology, this course uses a multidisciplinary approach to look at the status of health and human adaptation in Micronesia. By using specific examples of disease patterns, adaptation is looked at as an evolutionary process as well as synchronically. Strong emphasis is placed on the changing map of health and disease, generally in the Pacific and specifically in the Micronesian Islands. Along with medical anthropology, ideas and methods from related fields such as medical geography and epidemiology have also been incorporated into course materials. Following a broad overview of medical anthropology with introductions to its related fields, ideas and concepts central to health and adaptation will be presented, followed by case studies from Micronesia and the Pacific. Prerequisite: Graduate standing.

MI 517 CULTURAL ECOLOGY

FALL ONLY/ODD YEARS

3 credit hours

Cultural ecology looks at the relationship between humans and their biotic and physical environments. Using diachronic and comparative perspectives, this course will survey the cultural ecology of Micronesian islanders. Particular attention will be given to the following themes: history, theory, and methods of cultural ecology; comparison of different approaches to the study of cultural adaptation; adaptation in permissive and marginal environments; and culture change in spatial and temporal perspectives. The format emphasizes seminar discussions and student presentations, but will also include some lectures, slides, films and videos. Prerequisite: Consent of instructor, MI501, MI502, or MI503.

**MI 518 RELIGION, MAGIC, AND MYTH IN
MICRONESIA**

AS REQUIRED

3 credit hours

This course surveys the traditional religions of Micronesia, with an emphasis on myth and ritual. Analysis of select samples of traditional ritual and myth from primary sources. Critical analysis is emphasized. Prerequisite: One proseminar course or consent of instructor.

**MI 520 ECONOMIC DEVELOPMENT AND
CHANGE IN MICRONESIA**

FALL ONLY/ODD YEARS

3 credit hours

The seminar provides an overview of Micronesian economic systems past and present; focus is on the present as the new nations confront the need to develop market-based economies within a global context of diminishing resources and soaring populations.

MI 599 READINGS IN MICRO STUDIES

SUMMER/EVEN YEARS

3 credit hours

This course provides students an initial opportunity to explore, via a schedule of in-depth readings, a range of topics and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI 501, MI 502, MI 503.

MI 599A READINGS IN MICRONESIAN STUDIES

FALL/SPRING/ALL YEARS

3 credit hours

This course provides students an initial opportunity to explore, via a schedule of in-depth readings, a range of topics and issues in cultural ecology and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI501, 502, 503 and consent of instructor.

MI 599B READINGS IN MICRONESIAN STUDIES

FALL/SPRING/ALL YEARS

3 credit hours

This course provides students an initial opportunity to explore, via a schedule of in-depth readings, a range of topics and issues in cultural ecology and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI501, 502, 503 and consent of instructor.

MI 599C READINGS IN MICRONESIAN STUDIES

FALL/SPRING/ALL YEARS

3 credit hours

This course provides students an initial opportunity to explore, via a schedule of in-depth readings, a range of topics and issues in cultural ecology and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI501, 502, 503 and consent of instructor.

MI 599D READINGS IN MICRONESIAN STUDIES

FALL/SPRING/ALL YEARS

3 credit hours

This course provides students an initial opportunity to explore, via a schedule of in-depth readings, a range of topics and issues in cultural ecology and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI501, 502, 503 and consent of instructor.

MI 691A SEMINAR IN MICRONESIAN STUDIES

FALL/SPRING/ALL YEARS

1 - 3 credit hours

This course provides students an opportunity to pursue in-depth reading and individualized or small group research projects on selected topics in cultural ecology and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI501, 502, 503, 599.

MI 691B SEMINAR IN MICRONESIAN STUDIES

FALL/SPRING/ALL YEARS

1 - 3 credit hours

This course provides students an opportunity to pursue in-depth reading and individualized or small group research projects on selected topics in cultural ecology and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI501, 502, 503, 599.

MI 691C SEMINAR IN MICRONESIAN STUDIES

FALL/SPRING/ALL YEARS

1 - 3 credit hours

This course provides students an opportunity to pursue in-depth reading and individualized or small group research projects on selected topics in cultural ecology and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI501, 502, 503, 599.

MI 691D SEMINAR IN MICRONESIAN STUDIES

FALL/SPRING/ALL YEARS

1 - 3 credit hours

This course provides students an opportunity to pursue in-depth reading and individualized or small group research projects on selected topics in cultural ecology and resource management; human services and community health; social, political, and economic issues; and culture, history, language, and the arts. Prerequisite: MI501, 502, 503, 599.

MI 695 THESIS

FALL/SPRING/ALL YEARS

1 - 3 credit hours

Prerequisite: Consent of Instructor, completed Form A and successful completion of Comprehensive Examination.



MILITARY SCIENCE (MSL)

MSL 101 INTRODUCTION TO THE ARMY AND CRITICAL THINKING

FALL ONLY/ALL YEARS

2 credit hours

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 FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP

SPRING ONLY/ALL YEARS

2 credit hours

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 119 LEADERSHIP IN PHYSICAL CONDITIONING

FALL/SPRING/ALL YEARS

3 credit hours

Physical conditioning with emphasis on leadership that is designed to progressively increase a student's physical fitness abilities using the U.S. Army's Physical Readiness Training (PRT) methods. This course is primarily ability group oriented, focusing on personal physical fitness goals, military traditions, and is offered to all full-time students with no commitment to the Army ROTC program. Prerequisites: Medical clearance and instructor's consent. Note: This course is cross listed with PE-119.

MSL 201 LEADERSHIP AND DECISION MAKING

FALL ONLY/ALL YEARS

2 credit hours

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 ARMY DOCTRINE AND TEAM DEVELOPMENT

SPRING ONLY/ALL YEARS

2 credit hours

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 RANGER CHALLENGE TRAINING

FALL ONLY/ALL YEARS

2 credit hours

The ranger challenge training is a pass/fail Course for any currently enrolled ROTC cadet. This Course will challenge students to be tactically And technically in military proficiency while Improving their overall physical fitness. This Course will instill team building, confidence and Challenge students to participate in the ranger Challenge competition. Weekend training and off Campus may be required. Travel lodging and meals For off-island competition provided at government Expense if you make the team. Prerequisite: enrolled in ROTC program and Instructor's consent.

MSL 252 PREPARATION FOR CADET SUMMER TRAINING (CST)

SPRING ONLY/ALL YEARS

2 credit hours

The course focuses on additional preparation for Students that desire to attend cadet summer Training. Students will be challenged in practical Leadership positions during physical readiness Training to develop their self-awareness and Critical thinking skills. Students will receive Methodical and specific feedback on their Leadership abilities in preparation for cadet Summer training located at fort Knox, Kentucky. This course is designed to increase Self-confidence through group training and Activities. Prerequisite: instructor consent.

MSL 292 CADET INITIAL ENTRY TRAINING (CIET)

SUMMER/ALL YEARS

6 credit hours

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 CADET PROFESSIONAL DEVELOPMENT TRAINING (CPDT)

SUMMER/ALL YEARS

6 credit hours

This cadet professional development training Provides a deeper look into what it means to lead America's soldiers. Cadet professional Development training opportunities are available Including basic airborne course, air assault School, cadet troop leader training and cadet Internships. This course normally takes place During the summer. Training program locations Change every year and are located around the World, and could include fort Benning, Georgia, West point military academy, Asia, and Europe. Prerequisite: enrolled in army ROTC, meet Prescribed requirements, and the professor of Military Science approval.

MSL 299 INDIVIDUAL LEADERSHIP STUDIES

FALL/SPRING/ALL YEARS

3 credit hours

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: MSL101, MSL102 or instructor consent.

MSL 301 TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS

FALL ONLY/ALL YEARS

3 credit hours

This course focuses on training management and the warfighting 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 APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS

SPRING ONLY/ALL YEARS

3 credit hours

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 RANGER CHALLENGE LEADERSHIP COURSE

FALL ONLY/ALL YEARS

2 credit hours

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 MSL251 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 CADET LEADERSHIP COURSE

SUMMER/ALL YEARS

6 credit hours

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 394 SEMINAR IN MILITARY HISTORY

3 credit hours

MSL 398 CADET PROFESSIONAL DEVELOPMENT TRAINING (CPDT)

SUMMER/ALL YEARS

6 credit hours

This cadet professional development training Provides a deeper look into what it means to lead America's soldiers. Cadet professional Development training opportunities are available Including basic airborne course, air assault School, cadet troop leader training and cadet Internships. This course normally takes place During the summer. Training program locations Change every year and are located around the World, and could include Fort Benning, Georgia, West point military academy, Asia, and Europe. Prerequisite: enrolled in Army ROTC, meet Prescribed requirements, and the professor of Military Science approval

MSL 399 INDEPENDENT READING

AS REQUIRED

3 credit hours

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 THE ARMY OFFICER

FALL ONLY/ALL YEARS

3 credit hours

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 COMPANY GRADE LEADERSHIP

SPRING ONLY/ALL YEARS

3 credit hours

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.

MUSIC (MU)

MU 101 MUSIC FUNDAMENTALS

FALL/SPRING/ALL YEARS

3 credit hours

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 WORLD MUSIC

FALL ONLY/ALL YEARS

3 credit hours

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 UNIVERSITY SINGERS

FALL/SPRING/ALL YEARS

1 credit hour

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 BAND

FALL/SPRING/ALL YEARS

1 credit hour

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 INTRODUCTION TO MUSIC

FALL/SPRING/ALL YEARS

3 credit hours

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 CLASS VOICE

FALL/SPRING/ALL YEARS

1 credit hour

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 MU104 or MU304 be taken concurrently.

MU 121 BEGINNING CLASS PIANO

FALL ONLY/ALL YEARS

2 credit hours

This is the study of basic piano techniques and music fundamentals.

MU 122 INTERMEDIATE CLASS PIANO

SPRING ONLY/ALL YEARS

2 credit hours

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: MU121 or consent of instructor.

MU 160 MUSIC THEORY I

FALL ONLY/ODD YEARS

2 credit hours

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 MUSIC THEORY II

SPRING ONLY/EVEN YEARS

2 credit hours

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 MU160 with a "C" or better or consent of instructor.

MU 170 EAR TRAINING I

FALL ONLY/ALL YEARS

2 credit hours

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 EAR TRAINING II

SPRING ONLY/ALL YEARS

2 credit hours

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 MU170 Ear Training I.

MU 202 APPLIED MUSIC

FALL/SPRING/ALL YEARS

2 credit hours

This course consists of individual instruction in piano, voice, or other 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 MUSIC THEORY III

FALL ONLY/EVEN YEARS

2 credit hours

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 MU161 with a "C" or better or consent of instructor.

MU 261 MUSIC THEORY IV

SPRING ONLY/ODD YEARS

2 credit hours

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 MU260 with a "C" or better or consent of instructor.

MU 302 INTERMEDIATE APPLIED MUSIC

FALL/SPRING/ALL YEARS

2 credit hours

A continuation of MU202, this course offers individual instruction in piano, voice, or other musical instrument. It may be repeated for credit. Prerequisite: MU202 and consent of instructor. Audition is required.

MU 304 UPPER DIVISION UNIVERSITY SINGERS

FALL/SPRING/ALL YEARS

1 credit hour

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 UPPER DIVISION BAND

FALL/SPRING/ALL YEARS

1 credit hour

This is the study, preparation and performance of advanced instrumental ensemble literature. It may be repeated for credit. Prerequisite: MU105 or consent of instructor.

MU 306 SPECIAL TOPICS IN MUSIC

SPRING ONLY/ODD YEARS

1 - 3 credit hours

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: MU101 or MU106.

MU 310 MUSIC HISTORY I

FALL ONLY/EVEN YEARS

3 credit hours

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 MUSIC HISTORY II

SPRING ONLY/ODD YEARS

3 credit hours

This course is a survey of masterpieces and composers of music from 1750 to the present. Prerequisite: MU161 or consent of instructor.

MU 315 INSTRUMENTAL TECHNIQUES

FALL ONLY/ODD YEARS

3 credit hours

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: MU161 or consent of instructor.

MU 321 CONDUCTING

FALL ONLY/ALL YEARS

3 credit hours

The study and application of basic conducting skills are covered in this course. Prerequisite: MU161 or consent of instructor.

MU 402 SENIOR RECITAL

FALL/SPRING/ALL YEARS

2 credit hours

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: MU302.

NATURAL SCIENCE (NS)

NS 101 INTRODUCTION TO PHYSICAL SCIENCE

AS REQUIRED

3 credit hours

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: MA085 a-b or MA089 or equivalent.

Corequisite: NS101L.

NS 101L INTRODUCTION TO PHYSICAL SCIENCE LABORATORY

AS REQUIRED

1 credit hour

NS101L is the laboratory portion of NS101 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Corequisite: NS101.

NS 102 INTRODUCTION TO PHYSICAL SCIENCE

AS REQUIRED

3 credit hours

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: MA085 a-b or MA089 or equivalent.

Corequisite: NS102L.

**NS 102L INTRODUCTION TO PHYSICAL SCIENCE
LABORATORY****AS REQUIRED**

1 credit hour

NS102L is the laboratory portion of NS102 and **MUST** be taken concurrently. The course consists of one three-hour laboratory per week. Corequisite: NS102.

NS 110 INTRODUCTION TO THE EARTH**AS REQUIRED**

3 credit hours

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: NS110L.

**NS 110L INTRODUCTION TO THE EARTH
LABORATORY****AS REQUIRED**

1 credit hour

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: NS110.

NS 112 HISTORY OF THE EARTH**AS REQUIRED**

3 credit hours

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: EN110. NS110-110L Introduction to the Earth is recommended. Corequisite: NS112L.

NS 112L HISTORY OF THE EARTH LABORATORY**AS REQUIRED**

1 credit hour

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: NS112.

NS 230 INTRODUCTION TO ASTRONOMY**AS REQUIRED**

3 credit hours

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, NS230L, **MUST** be taken concurrently. Prerequisite: MA110.

**NS 230L INTRODUCTION TO ASTRONOMY
LABORATORY****AS REQUIRED**

1 credit hour

NS230L is the laboratory portion of NS230 and **MUST** be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: NS230.

NS 330 METEOROLOGY

AS REQUIRED

3 credit hours

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, NS330L, **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: NS330L.

NS 330L METEOROLOGY LABORATORY

AS REQUIRED

1 credit hour

NS330L is the laboratory portion of NS330 and **MUST** be taken concurrently. The course consists of one three-hour laboratory period per week. Corequisite: NS330.

NS 355 TOPICS IN GEOLOGY

AS REQUIRED

3 credit hours

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, NS355L, **MUST** be taken concurrently for some topics, to be specified. Prerequisites: NS110-110L or NS112-112L or consent of instructor. Corequisite: NS355L (for some topics).

NS 355L TOPICS IN GEOLOGY LABORATORY

AS REQUIRED

1 credit hour

NS355L is the laboratory portion of NS355 and **MUST** be taken concurrently for some topics. The course consists of one three-hour laboratory/field trip per week. Corequisite: NS355.

NS 380 PRINCIPLES OF SOIL SCIENCE

FALL ONLY/ALL YEARS

3 credit hours

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: MA115 or higher and any two chemistry courses.

NS 380L PRINCIPLES OF SOIL SCIENCE LABORATORY

FALL ONLY/ALL YEARS

1 credit hour

This course is a corequisite of AL/NS380 and must be taken concurrently. The course meets for three hours of laboratory weekly. Prerequisites: MA115 or higher and any two chemistry courses.

NS 392 LABORATORY TEACHING AND ASSISTING

AS REQUIRED

1 - 3 credit hours

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 SEMINAR

AS REQUIRED

1 credit hour

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 SENIOR THESIS

AS REQUIRED

3 credit hours

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 MEDICAL TERMINOLOGY

FALL/SPRING/ALL YEARS

2 credit hours

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 COMMUNICATION AND METAL HEALTH CONCEPTS

FALL ONLY/ALL YEARS

3 credit hours

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, AN101 BI124-124L, BI125-125L, CH100-100L, CH101-101L, CO210, EN111, PY101, MA151 acceptance to the pre-nursing level, and consent of instructor. Corequisite: NU214, BI225, BI225L and ED201.

NU 202B FUNDAMENTALS OF NURSING

SPRING ONLY/ALL YEARS

4 credit hours

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: NU200B, NU214, BI225-1225L, ED201 and consent of instructor. Corequisites: NU203B, NU204B, NU205B NU207B and AL185.

NU 203B FUNDAMENTALS OF NURSING PRACTICUM

SPRING ONLY/ALL YEARS

4 credit hours

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 maintain health in the clinical setting. Prerequisites: NU200B, NU214, BI225-225L, ED201 and consent of instructor. Corequisite: NU202B, NU204B, NU205B and NU207B and consent of instructor.

NU 204B HEALTH ASSESSMENT

SPRING ONLY/ALL YEARS

2 credit hours

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: NU200B, NU214 ED201, BI225-225L or consent of instructor. Corequisite: NU202B, NU203B, NU205B and NU207B.



NU 205 INTRO TO FAMILY HEALTH

SPRING ONLY/SPRING ONLY

5 credit hours

Nursing care of families with emphasis on provisions of comprehensive care to families in the childbearing and of family development. Application of theories of learning, human growth and development, family dynamics including cultural considerations and stress adaptation. Nursing process and health teaching principles integrated. Laboratory experience in clinics and the acute care setting to develop skills necessary to assist families to reach their optimal health potential. Three hours theory and six hours of lab weekly. Prerequisites: NU201, 202, ED201, CO210, BI124a-b.

NU 205B HEALTH ASSESSMENT PRACTICUM

SPRING ONLY/ALL YEARS

1 credit hour

This course focuses on the laboratory and practicum component of NU204B. Students apply assessment techniques within the laboratory or clinical settings. This course is taken concurrently with NU204B or with consent of instructor. Prerequisite: NU200B, NU214 ED201, BI225-225L or consent of instructor. Corequisite: NU202B, NU203B, NU204B and NU207B.

NU 207B PHARMACOLOGY IN NURSING

SPRING ONLY/ALL YEARS

2 credit hours

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: BI225-225L, ED201, NU200B, NU214 and consent of instructor. Corequisite: NU202B, NU203B, NU204B and NU205B.

NU 212 EMPOWERMENT STRATEGIES FOR NURSING STUDENTS

FALL/SPRING/ALL YEARS

3 credit hours

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 DOSAGE CALCULATION

FALL/SPRING/AS REQUIRED

1 credit hour

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: EN111, MA151 and consent of instructor. Corequisite: NU200B, BI225-225L, and ED201.

NU 223 CLINICAL MENTORSHIP

SUMMER/SUMMER ONLY

1 credit hour

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 294 CLINICAL REFRESHER

SPRING ONLY

2 credit hours

**NU 300S COMMUNICATION AND MENTAL
HEALTH CONCEPTS**

FALL ONLY/ALL YEARS

3 credit hours

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: AN101, CO210, EN111, PY101, admission to the second-step BSN program, and consent of instructor. Corequisite: ED201.

NU 302B ADULT HEALTH NURSING

FALL ONLY/ALL YEARS

6 credit hours

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: AL185, NU202B, NU203B, NU204B, NU205B, NU207B, and consent of instructor. Corequisites: NU303B and NU310 or consent of instructor.

NU 303B ADULT HEALTH PRACTICUM I

FALL ONLY/ALL YEARS

4 credit hours

This course provides opportunities for the student to focus on the client with diseases presented in NU302B. Students provide care for the adult client system in an acute care setting. Prerequisites: AL185 NU202B, NU203B, NU204B, NU205B, NU207B, and consent of instructor. Corequisite: NU302B and NU310.

NU 304 NURSING OF THE CHRONICALLY ILL

SPRING ONLY/SPRING ONLY

5 credit hours

A study of nursing care, comfort and support of individuals throughout the life span experiencing chronic maladaptive responses which complicate the family adaptation ability. Uses the nursing process and teaching principles to promote optimal adaptation. Includes the study of commonly used drugs and settings. Three hours theory and six hours lab weekly. Prerequisites: NU301, 302, 303 and EN111.

NU 304B FAMILY HEALTH NURSING

SPRING ONLY/ALL YEARS

6 credit hours

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: NU302B, NU303B, NU310. Corequisites: NU305B or consent of instructor.

NU 305 PSYCHIATRIC NURSING

SPRING ONLY/SPRING ONLY

5 credit hours

This course is designed as an extension of the previous course work in mental health concepts and focuses on maladaptive behavioral functioning which interferes with personal, family and social relationships. Exploration of interventions which may lead to adaptation at higher levels of functioning and methods which may assist the individual in reintegration. Includes the study of drugs commonly used to assist in adaptation and reintegration. Three hours theory and six hours lab weekly. Prerequisites: NU301, 302, 303 and EN111.



NU 305B FAMILY HEALTH NURSING PRACTICUM

SPRING ONLY/ALL YEARS

4 credit hours

This course focuses on the application of contemporary concepts and theories about families. Students apply the nursing process in provision of primary nursing interventions. Clinical experiences are in a variety of community and/or acute care settings with childrearing families. Prerequisites: NU302B, NU303B, NU310. Corequisites: NU304B, or consent of instructor.

NU 306S HEALTH ASSESSMENT

SPRING ONLY/ALL YEARS

2 credit hours

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: NU307S, NU324S, NU325S or RN/GN employed in a clinical setting.

NU 307S HEALTH ASSESSMENT PRACTICUM

SPRING ONLY/ALL YEARS

1 credit hour

This course focuses on the laboratory and practicum component of NU306S. 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 NU306S or with consent of instructor. Prerequisite: Enrollment in the Second-Step BSN program track, or RN/GN with consent of instructor. Corequisite: NU306S, NU324S, NU325S, or RN/GN employed in a clinical setting.

NU 310 PATHOPHYSIOLOGY

FALL ONLY/ALL YEARS

3 credit hours

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: NU202B, NU203B, NU204B, NU205B, NU207B. SSBSN: Completion of basic nursing program, 6-8 Chemistry credits with lab, 6-8 Anatomy and physiology credits with lab, Microbiology with lab, AN101, PY101, EN111, ED201, CO210 or permission of instructor.

NU 323 CLINICAL MENTORSHIP

SUMMER/SUMMER ONLY

1 credit hour

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 PROFESSIONAL NURSING

SPRING ONLY/ALL YEARS

3 credit hours

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: EN111, Chemistry 6-8 credits with lab, Anatomy and Physiology 6-8 credits with lab, microbiology with lab, AL185, and NU300S or equivalent. Corequisites: NU306S, NU307B, NU325S.



NU 325S PROFESSIONAL NURSING PRACTICUM

SPRING ONLY/ALL YEARS

3 credit hours

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, AL185 and NU300S. Corequisites: NU306S, NU307B, NU324S.

NU 326 NURSING MANAGEMENT

SPRING ONLY/ALL YEARS

2 credit hours

This course focuses on issues and trends within the healthcare 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: NU310. Corequisites: NU302B, NU303B, NU304B, NU305B or consent of instructor.

NU 344 AGING: MYTH AND REALITIES

FALL ONLY/ALL YEARS

3 credit hours

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 COMMUNITY HEALTH NURSING PRACTICUM

FALL ONLY/ALL YEARS

3 credit hours

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: NU302B, NU303B, NU304B, NU305B, NU310 or NU324S, and NU325S or instructor permission. Corequisites: NU308, NU309, NU412, NU416 or instructor permission.

NU 408 PSYCHIATRIC MENTAL HEALTH NURSING

FALL ONLY/ALL YEARS

3 credit hours

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 PSYCHIATRIC NURSING PRACTICUM

FALL ONLY/ALL YEARS

2 credit hours

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: NU302B, NU303B, NU304B, NU305B, or NU324S, NU325S or instructor permission. Corequisites: NU308, NU412, NU403, NU416 or instructor permission.

NU 412 COMMUNITY HEALTH NURSING

FALL ONLY/ALL YEARS

3 credit hours

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: NU302B, NU303B, NU304B, NU305B, NU310, or NU324S and NU325S, or instructor permission. Corequisite: NU308, NU309, NU403, NU416, or instructor permission.

NU 415 INDEPENDENT NURSING PRACTICUM

SPRING ONLY/ALL YEARS

3 credit hours

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: NU403, NU412, NU416. Corequisite: NU418, NU419, NU420.

NU 416 RESEARCH IN NURSING AND HEALTH SCIENCES

FALL ONLY/ALL YEARS

3 credit hours

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: HS405. Corequisite: MA387 and MA387L.

NU 418 LEADERSHIP IN NURSING

SPRING ONLY/ALL YEARS

3 credit hours

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: NU403, NU412 and NU416. Nurses in practice/leadership positions can take this course without being enrolled in the nursing program. Corequisites: NU415, NU419, NU420.

NU 419 LEADERSHIP IN NURSING PRACTICUM

SPRING ONLY/ALL YEARS

1 credit hour

This practicum course provides an opportunity for the student to apply leadership and management theory in a selected practice situation. Prerequisites: NU412, NU403, and NU416. Nurses in practice/leadership positions can take this course without being enrolled in the nursing program. Corequisite: NU418, NU420, NU415.

NU 420 TRENDS IN NURSING

SPRING ONLY/ALL YEARS

2 credit hours

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: NU403, NU412, and NU416. Corequisites: NU415, NU418, NU419.

NU 423 CLINICAL MENTORSHIP

SUMMER

1 credit hour

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 ADMIN (PA)

PA 201 PUBLIC ADMINISTRATION IN GUAM AND IN THE WESTERN PACIFIC

FALL/SPRING/ALL YEARS

3 credit hours

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 DATA AND STATISTICS FOR BUSINESS AND GOVERNMENT

FALL/SPRING/ALL YEARS

3 credit hours

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 BA310 (Applied Statistics for Business and Economics) or PA305 (Data Analysis in Public Administration). Prerequisites: BA110 and MA110 or higher with a grade of C or better in both courses.

PA 206 PUBLIC HEALTH AND DISEASE MANAGEMENT

FALL ONLY/ALL YEARS

3 credit hours

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 ADMINISTRATION OF HEALTH CARE SERVICES

FALL ONLY/ALL YEARS

3 credit hours

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 PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS

FALL/SPRING/ALL YEARS

3 credit hours

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 SUPERVISION IN GOVERNMENT
ORGANIZATIONS**

FALL/SPRING/ALL YEARS

3 credit hours

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 IMPACT OF GOVERNMENT
REGULATORY ADMINISTRATION ON BUSINESS**

FALL/SPRING/ALL YEARS

3 credit hours

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 GOVERNMENT FINANCE

FALL/SPRING/ALL YEARS

3 credit hours

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 GOVERNMENT PUBLIC INFORMATION

FALL/SPRING/ALL YEARS

3 credit hours

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 DATA ANALYSIS IN PUBLIC
ADMINISTRATION**

FALL/SPRING/ALL YEARS

3 credit hours

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: BA130 with a C grade or better.

**PA 306 HEALTH CARE PLANNING AND
EVALUATION**

SPRING ONLY/ALL YEARS

3 credit hours

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 THE ECONOMICS OF HEALTH CARE

SPRING ONLY/ALL YEARS

3 credit hours

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-making processes as they relate to financial health and social care resources management. The student also learns the nature and interpretation of financial reports.

PA 347 LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY

FALL/SPRING/ALL YEARS

3 credit hours

The course integrates personal leadership with collaboration and networking for organizational performance and societal gain. The course strengthens practical leadership and collaborative skills. Prerequisites: BA240 (for BBA majors) or PA210 (for PA majors).

PA 401 COMMUNITY PLANNING

SUMMER/ALL YEARS

3 credit hours

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 401G COMMUNITY PLANNING

FALL ONLY/ODD YEARS

3 credit hours

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 economic, political, social, cultural, physical, and administrative factors. Prerequisite: SO101.

PA 402A POLICY EVALUATION

FALL/SPRING/ALL YEARS

3 credit hours

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. 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 402B GRANT ADMINISTRATION

FALL/SPRING/ALL YEARS

3 credit hours

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. 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 402C FRAUD EXAMINATION

FALL/SPRING/ALL YEARS

3 credit hours

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. 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 402D PROBLEMS IN PUBLIC POLICY:
PROCUREMENT**

FALL/SPRING/ALL YEARS

3 credit hours

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. 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 402E EMERGENCY MANAGEMENT

FALL/SPRING/ALL YEARS

3 credit hours

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. 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 PUBLIC PERSONNEL ADMINISTRATION

FALL/SPRING/ALL YEARS

3 credit hours

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 LEADERSHIP ETHICS IN THE
PROFESSIONS**

FALL/SPRING/ALL YEARS

3 credit hours

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 PUBLIC FINANCE & FISCAL POLICY

FALL/SPRING/ALL YEARS

3 credit hours

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 PUBLIC ADMINISTRATION CAPSTONE

FALL/SPRING/ALL YEARS

3 credit hours

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 SPECIAL PROJECT IN PUBLIC ADMINISTRATION

FALL/SPRING/ALL YEARS

3 credit hours

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 PUBLIC ADMINISTRATION INTERNSHIP

FALL/SPRING/ALL YEARS

3 credit hours

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.

PA 501 APPLIED RESEARCH METHODOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

Concentrated study of research methodology, including planning, organizing and executing research projects; techniques of gathering data; use of library facilities and other sources of information; analysis and interpretation of data; the art and strategy of presenting oral and written findings. *This course must be taken within a student's first 12 credits in the MPA program.

PA 510 ADMINISTRATIVE THOUGHT

FALL ONLY/ALL YEARS

3 credit hours

This course offers an overview of classic and contemporary theories of public administration and bureaucracy. The role and process of American public administration are studied in the social and political context of legislatures, executives, legal and judicial structures, and in relationship to political parties and clientele groups. The modern administrative state and its illustrations of democratic theory and practice, are examined.

PA 525 PUBLIC BUDGETING

FALL ONLY/ALL YEARS

3 credit hours

Budgetary practices of federal, state, territorial, and local governments. The budget cycle, budget preparation, and execution. Includes techniques such as PPB (Planning, Programming, Budgeting) in the Federal government and zero-base in GovGuam budgeting.

**PA 526 PRIVATE ENTERPRISE AND PUBLIC
POLICY**

SPRING ONLY/ALL YEARS

3 credit hours

This course will examine the governmental process in the formulation of policy, the framework and organization of administrative agencies in the regulation and supervision of policy, and the nature of the 'public interest' and the Interrelationship of interests affecting governmental policy toward business enterprise. This course will also address communication skills in a collaborative setting and build the capacity to lead in the development and deployment of public policy initiatives and the changes in the public policy sector.

**PA 530 PUBLIC PERSONNEL, DISCIPLINARY,
AND PERFORMANCE MANAGEMENT**

FALL ONLY/ALL YEARS

3 credit hours

The study of government organization management practices and problems; the general effectiveness of major agencies including their relationships with U.S., local legislative bodies, clientele and other governmental units and public bodies. This course establishes the broad parameters of what constitutes the major roles, responsibilities and activities of public managers. This course is particularly suited for students with limited background in public management. Stress is placed on the development of analytical techniques that are useful in the identification and resolution of commonly occurring problems in public management.

PA 535 INTERGOVERNMENTAL RELATIONS

SPRING ONLY/ALL YEARS

3 credit hours

Study of the dynamics of relations among governmental units, including the movement towards regionalization and councils of government. Study of the impact of "new federalism" concepts and revenue sharing upon states, territories and of local issues and problems.

PA 540 ADMINISTRATIVE LAW

SPRING ONLY/ALL YEARS

3 credit hours

Study of administrative law, including issues of separation of powers; regulatory commissions; processes of administrative adjudication; and judicial review.

PA 545A PUBLIC POLICY AND GOVERNANCE

FALL/SPRING/ALL YEARS

3 credit hours

This course will examine the governmental process in the formulation of policy, the framework and organization of administrative agencies in the regulation and supervision of policy, and the nature of the 'public interest' and the interrelationship of interests affecting governmental policy toward business enterprise. This course will also address communication skills in a collaborative setting and build the capacity to lead in the development and deployment of public policy initiatives and the changes in the public policy sector.

PA 545B PUBLIC PRIVATE PARTNERSHIPS

FALL/SPRING/ALL YEARS

3 credit hours

This course will explore advanced organization and management theory including organization, systems design and analysis, decision theory, power, politics, and authority from the vantage point of how governments are partnering with for-profit and non-profits to redefine the traditional methods of public administration in a multi-stakeholder, solution oriented value proposition. Prerequisite: BA240.

**PA 545C COMPARATIVE PUBLIC
ADMINISTRATION**

FALL/SPRING/ALL YEARS

3 credit hours

Administrative structures and processes of industrialized and developing areas of the world. Distribution of government services in the various bureaucratic organizations.

PA 545D PUBLIC PLANNING

FALL/SPRING/ALL YEARS

3 credit hours

This course deals with methods of social, economic, and physical planning. The concept of planning is approached from the theoretical, methodological and philosophical perspectives. It focuses on problem analysis to the final stages of program implementation and evaluation.

**PA 545E PUBLIC CONTRACTING AND
PROCUREMENT POLICIES AND PRACTICES**

FALL/SPRING/ALL YEARS

3 credit hours

An examination of the legal and regulatory framework governing public contracting within the dimensions of past and present national and local objectives. A particular emphasis is placed on its contribution to government efficiency and effectiveness.

PA 550 COMPARATIVE PUBLIC ADMIN

FALL ONLY/ALL YEARS

3 credit hours

Administrative structures and processes of industrialized and developing areas of world. Distribution of government services in the various bureaucratic organizations.

**PA 560 LEADERSHIP AND SOCIAL
RESPONSIBILITY OF ORGANIZATIONS**

SPRING ONLY/ALL YEARS

3 credit hours

An examination of the meaning of business ethics and its significance in business decision making. By thoughtful analysis of the moral issues raised by business practices, graduate students will raise their comprehension of the moral decisions of business. Students will apply ethical theories and concepts to social issues. In addition, students will gain practice during examinations and interpretations of positions taken by various stakeholder groups affected by business and vice-versa.

PA 561 PUBLIC PLANNING

SPRING ONLY/ALL YEARS

3 credit hours

This course deals with methods of social, economic, and physical planning. The concept of planning is approached from the theoretical, methodological and philosophical perspectives. It focuses on problem analysis to the final stages of program implementation and evaluation.

**PA 565 PUBLIC CONTR&PROCUREMENT
POLICY& PRACTICES**

FALL ONLY/ALL YEARS

3 credit hours

An examination of the legal and regulatory framework governing public contracting within the dimensions of past and present national and local objectives. A particular emphasis is placed on its contribution to government efficiency and effectiveness.

**PA 570A SPECIAL TOPICS IN PUBLIC
PERSONNEL ADMINISTRATION - POLICY**

FALL/SPRING/ALL YEARS

3 credit hours

a) Policy: Current problems and issues in the management of government programs are explored through: The changing character of public personnel management as affected by citizen participation and representation, community action groups, minority employment, diversity, technology, global issues, merit system administration, economics, constitutional rights, environmental concerns, upward mobility, development crises and problems, labor-management relations, public interest advocacy, decentralization and devaluation of administrative activities, and management information systems.

**PA 570B SPECIAL TOPICS IN PUBLIC
PERSONNEL ADMINISTRATION- CURRENT
RELEVANT ISSUES**

FALL/SPRING/ALL YEARS

3 credit hours

b) Current/Relevant Issues: Current problems and issues in the management of government programs are explored through: The changing character of public personnel management as affected by citizen participation and representation, community action groups, minority employment, diversity, technology, global issues, merit system administration, economics, constitutional rights, environmental concerns, upward mobility, development crises and problems, labor-management relations, public interest advocacy, decentralization and devaluation of administrative activities, and management information systems.

**PA 570C SPECIAL TOPICS IN PUBLIC
PERSONNEL ADMINISTRATION - EMPLOYMENT
LAW**

FALL/SPRING/ALL YEARS

3 credit hours

c) Employment Law: Current problems and issues in the management of government programs are explored through: The changing character of public personnel management as affected by citizen participation and representation, community action groups, minority employment, diversity, technology, global issues, merit system administration, economics, constitutional rights, environmental concerns, upward mobility, development crises and problems, labor-management relations, public interest advocacy, decentralization and devaluation of administrative activities, and management information systems.

**PA 570D SPECIAL TOPICS IN PUBLIC
PERSONNEL ADMINISTRATION -
ORGANIZATIONS**

FALL/SPRING/ALL YEARS

3 credit hours

d) Organizations: Current problems and issues in the management of government programs are explored through: The changing character of public personnel management as affected by citizen participation and representation, community action groups, minority employment, diversity, technology, global issues, merit system administration, economics, constitutional rights, environmental concerns, upward mobility, development crises and problems, labor-management relations, public interest advocacy, decentralization and devaluation of administrative activities, and management information systems.

**PA 570E SPECIAL TOPICS IN PUBLIC
PERSONNEL ADMINISTRATION - SYSTEMS**

FALL/SPRING/ALL YEARS

3 credit hours

e) Systems: Current problems and issues in the management of government programs are explored through: The changing character of public personnel management as affected by citizen participation and representation, community action groups, minority employment, diversity, technology, global issues, merit system administration, economics, constitutional rights, environmental concerns, upward mobility, development crises and problems, labor-management relations, public interest advocacy, decentralization and devaluation of administrative activities, and management information systems.

**PA 590 SPECIAL PROJECTS IN PUBLIC
ADMINISTRATION**

FALL ONLY/FALL ONLY

3 credit hours

In-depth study relating to a special interest of the student in some aspect of Public Administration. A formal scholarly paper is required.

PA 598 INTERNSHIP: PUBLIC ADMINISTRATION

FALL/SPRING/ALL YEARS

3 credit hours

This course provides qualified students with the opportunity to gain experience in public 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. This course is required for all pre-service students.

PA 692 PRACTICUM

FALL/SPRING/ALL YEARS

3 credit hours

The Capstone course is the culminating experience that incorporates applied research and real-world application in the field under the guidance of a major professor. The Capstone will also serve as the MPA Qualifying Exam. This course may only be taken in the student's graduating semester. Prerequisite: Consent of MPA Chair.

PA 695 THESIS

FALL/SPRING/ALL YEARS

6 credit hours

Thesis provides an opportunity for students to complete a scholarly research project under the supervision of a thesis committee, comprised of a program faculty chairperson and at least two additional members. Students are required to have their thesis proposal approved by their committee prior to enrolling in PA695. Prerequisite: Consent of Advisor.

PHYSICAL EDUCATION (PE)**PE 109 TECHNOLOGY IN PHYSICAL EDUCATION**

AS REQUIRED

3 credit hours

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 FOLK, SQUARE, AND SOCIAL DANCE

FALL ONLY/ODD YEARS

3 credit hours

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 OUTDOOR PURSUITS AND RACQUET SPORTS

SPRING ONLY/EVEN YEARS

3 credit hours

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 119 LEADERSHIP IN PHYSICAL CONDITIONING

FALL/SPRING/ALL YEARS

3 credit hours

Physical conditioning with emphasis on leadership that is designed to progressively increase a student's physical fitness abilities using the U.S. Army's Physical Readiness Training (PRT) methods. This course is primarily ability group oriented, focusing on personal physical fitness goals, military traditions, and is offered to all full-time students with no commitment to the Army ROTC program. Prerequisites: Medical clearance and instructor's consent. Note: This course is cross listed with MSL-119.

PE 124 INDOOR INDIVIDUAL SPORTS

FALL ONLY/ODD YEARS

3 credit hours

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 WILDERNESS SPORTS AND ADVENTURE EDUCATION

AS REQUIRED

3 credit hours

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 OUTDOOR TEAM SPORTS

SPRING ONLY/ODD YEARS

3 credit hours

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 INTRODUCTION TO TUMBLING AND RHYTHMIC GYMNASTICS

SPRING ONLY/EVEN YEARS

2 credit hours

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 MOTOR LEARNING

FALL ONLY/ODD YEARS

3 credit hours

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 COMMUNITY HEALTH FOR EDUCATORS

FALL ONLY/EVEN YEARS

3 credit hours

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: HS200.

PE 220 INDOOR TEAM SPORTS

FALL ONLY/EVEN YEARS

3 credit hours

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.

**PE 305 HISTORICAL AND PHILOSOPHICAL
FOUNDATIONS OF PHYSICAL EDUCATION**

FALL ONLY/EVEN YEARS

3 credit hours

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 SCHOOL HEALTH

SPRING ONLY/ODD YEARS

3 credit hours

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: HS200, PE214.

PE 326 SPORTS INSTRUCTION/ ATHLETICS I

AS RESOURCES PERMIT

3 credit hours

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: ED201, PE212, PE352.

**PE 352 METHODS OF TEACHING ELEMENTARY
PHYSICAL EDUCATION**

FALL ONLY/ALL YEARS

3 credit hours

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: ED201, ED300, with grades of C or above.

**PE 353 METHODS OF TEACHING MIDDLE
AND HIGH SCHOOL HEALTH AND PHYSICAL
EDUCATION**

SPRING ONLY/ALL YEARS

3 credit hours

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: ED201, ED300, with a grade of C or better. Students must have been admitted to the Concentration in Teaching Physical Education.

PE 426 SPORTS INSTRUCTION/ATHLETICS II**AS REQUIRED**

3 credit hours

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: ED201, PE212, PE353.

PE 446 ENTREPRENEURSHIP: NEW VENTURE CREATION**SPRING ONLY/ALL YEARS**

3 credit hours

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. Note: This course is cross listed with BA446.

PE 454 ADAPTED AND DEVELOPMENTAL PHYSICAL EDUCATION**SPRING ONLY/ODD YEARS**

3 credit hours

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 individualize PE instruction for students with disabilities in schools and participants in community settings. Prerequisites: ED201, ED300 with a grade of C or above.

PE 454G ADAPTED AND DEVELOPMENTAL PHYSICAL EDUCATION, RECREATION, AND DANCE**SPRING ONLY/ODD YEARS**

3 credit hours

This course emphasizes assessment, design, and implementation of physical education that meets the developmental characteristics and special needs of preschool 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 individualize PE instruction for students with disabilities in schools and participants in community settings. Prerequisite: ED 201, ED 300 and either PE 352 or PE 353 with a grade of C or above.

PHYSICS (PH)**PH 210 INTRODUCTORY PHYSICS LABORATORY****FALL ONLY/ALL YEARS**

1 credit hour

This course consists of experiments dealing with mechanics, heat, and sound. It acts as a laboratory for PH251. It meets for three hours weekly.

PH 211 INTRODUCTORY PHYSICS LABORATORY**SPRING ONLY/ALL YEARS**

1 credit hour

This course consists of experiments dealing with electricity, magnetism, optics, and atomic physics. It acts as a laboratory for PH252. It meets for three hours weekly.

PH 251 UNIVERSITY PHYSICS**FALL ONLY/ALL YEARS**

4 credit hours

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: MA203 or concurrent enrollment.

PH 252 UNIVERSITY PHYSICS

SPRING ONLY/ALL YEARS

4 credit hours

A continuation of PH251, this course deals with classical electricity and magnetism, optics, wave motion and sound. It includes three hours of lecture per week.

Prerequisite: PH251.

PH 301 MECHANICS

FALL ONLY/ODD YEARS

3 credit hours

Mechanics is the study of static, kinematic, and dynamic principles. It includes four hours of lecture per week.

Prerequisite: PH252.

PH 305 THERMODYNAMICS

SPRING ONLY/ODD YEARS

3 credit hours

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: PH252.

PHILOSOPHY (PI)

PI 101 INTRODUCTION TO PHILOSOPHY

FALL/SPRING/ALL YEARS

3 credit hours

This course introduces the student to the nature of philosophy and to philosophical thinking, through a discussion of various important topics in philosophy. Issues can include the philosophy of mind, death and immortality, knowledge, time and time travel, free will, personality identity, the nature of morality, the existence of God and more.

PI 102 CONTEMPORARY ETHICAL PROBLEMS

FALL/SPRING/ALL YEARS

3 credit hours

This course provides a careful and critical examination of the moral issues in our society, including (but not limited to) the ethics of food, climate change, ethics and the city, robotics, population ethics, space exploration, human enhancement, medical ethics, animal ethics and environmental ethics. This course develops students' abilities to engage in ethical reasoning through the application of ethical theories and moral concepts to concrete, real-world cases.

PI 103 INTRODUCTION TO ASIAN AND NON-WESTERN PHILOSOPHY

FALL ONLY/ALL YEARS

3 credit hours

This course introduces the student to philosophical thinking as it developed in non-western intellectual traditions. The course may cover philosophical thought that has grown out of Indian, Chinese, Japanese, Korean, Islamic, African, and indigenous civilizations.

PI 210 INTRODUCTION TO LOGIC

FALL ONLY/ODD YEARS

3 credit hours

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 ETHICAL THEORY

SPRING ONLY/ALL YEARS

3 credit hours

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 theories on morality, from both western and non-western philosophical perspectives. The course helps the student to think through the different theories and concepts that we rely on to guide our actions.

PI 230 INDIGENOUS PHILOSOPHY

3 credit hours

This course offers a close look at various "indigenous" intellectual traditions, which may include CHamoru and Micronesian, Melanesian, Hawaiian, Maori, north American first nations, Inuit, Aztec, Polynesian, Sami, Okinawan and Ainu philosophies. We will engage with different perspectives, worldviews, with an aim to appreciating the contributions indigenous philosophies can make to universal human questions about the nature of human beings, the world, and our place in it, as well as to debates about concrete issues, such as health care and environmental protection.

PI 301 HISTORY OF WESTERN PHILOSOPHY I

FALL ONLY/ODD YEARS

3 credit hours

This survey course provides an historical study of philosophical concepts and issues during the ancient, medieval, 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 HISTORY OF WESTERN PHILOSOPHY II

SPRING ONLY/EVEN YEARS

3 credit hours

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 PHILOSOPHY OF RELIGION

SPRING ONLY/ALL YEARS

3 credit hours

This course acquaints the student topics central to the philosophy of religion. This may include issues such as the evidentialist and anti-evidentialist attempts to support or discredit the religious hypothesis; proofs of Gods, existence; the interrelationship between reason, faith, revelation, and science; God's attributes; the problem of evil; the nature of mysticisms and religious experience; reaction to theism.; and more.

PI 331 PHILOSOPHY OF ART

SPRING ONLY/EVEN YEARS

3 credit hours

This course is a study of the major philosophical positions taken in relation to the arts. Prerequisites: FA231 or consent of instructor.

PI 410 COMMUNITY ENGAGED PHILOSOPHY

FALL ONLY/ALL YEARS

3 credit hours

Community engaged philosophy focuses on philosophy as a practice of critical thinking. This class incorporates the pedagogical principle of the philosophy for children (p4c), a constructivist approach to education that encourages students to think for themselves and become the authors of their learning. This course can help educators learn how to foster critical thinking skills in their students and create a dynamic, engaged classroom. While the focus of the course is the philosophy of education, it is a recommended course for senior students of all disciplines for exercising and developing high-level critical thinking skills and learning how these skills can be utilized in discussion and debate.

PI 481 CAPSTONE SEMINAR IN PHILOSOPHY

FALL/SPRING/ALL YEARS

3 credit hours

Each time this course is offered it covers one specific area of philosophy or one particular philosopher in a seminar format. The course is particularly recommended for those students who wish to develop their skills in careful reading, discussion and debate, and analysis to a high level. The skill cultivated in this course gives students an advantage when it comes to any kind of learning at university (and beyond). The course may be repeated for credit under different topics.

PI 481G Capstone Seminar in Philosophy

FALL ONLY/SPRING ONLY

3 credit hours

Each time this course is offered it covers one specific area of philosophy or one particular philosopher in a seminar format. The course is particularly recommended for those students who wish to develop their skills in careful reading, discussion and debate, and analysis to a high level. The skill cultivated in this course gives students an advantage when it comes to any kind of learning at university (and beyond). The course may be repeated for credit under different topics.

PI 486 TRAVEL STUDIES IN ASIA

SUMMER/ODD YEARS

3 credit hours

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.

PI 486G TRAVEL STUDIES IN ASIA

SUMMER/ODD YEARS

3 credit hours

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.

PI 508 MICRONESIAN PHILOSOPHY

SPRING ONLY/ODD YEARS

3 credit hours

This Course examines the various approaches to philosophy found in Micronesia. Philosophy is framed by historical and cultural conditions. This course will explicate the meaning and significance of philosophical wisdom for the dominant cultures, past and present, in Micronesia. Prerequisite: Graduate Standing.

POLITICAL SCIENCE (PS)

PS 101 INTRODUCTION TO GOVERNMENT AND POLITICS

FALL/SPRING/ALL YEARS

3 credit hours

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 GOVERNMENT IN THE UNITED STATES

FALL/SPRING/ALL YEARS

3 credit hours

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 INTERNATIONAL RELATIONS

SPRING ONLY/ALL YEARS

4 credit hours

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 STATE AND TERRITORIAL GOVERNMENT

FALL/SPRING/ALL YEARS

3 credit hours

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 RESEARCH METHODOLOGY IN
POLITICAL SCIENCE**

SPRING ONLY/ALL YEARS

3 credit hours

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: PS101 and MA151, or consent of instructor.

PS 302 COMPARATIVE POLITICS

FALL ONLY/ALL YEARS

3 credit hours

The course provides students with the tools to undertake a comparative study of political processes and government institutions, with particular attention to democracies. Prerequisite: PS101 and PS215 or consent of instructor.

PS 304 POLITICS OF ASIA

FALL ONLY/EVEN YEARS

3 credit hours

This course provides an introduction the political institutions, processes and problems of countries in Asia. Prerequisites: PS101 or PS202 OR consent of instructor.

PS 306 POLITICS OF DEVELOPING NATIONS

FALL ONLY/ODD YEARS

3 credit hours

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: PS101 or PS215 or consent of instructor.

PS 307 POLITICS OF ECONOMIC DEVELOPMENT

SPRING ONLY/ALL YEARS

3 credit hours

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: BA110 and either PS101 or PS215 or consent of instructor.

**PS 310 REGIONAL AND INTERNATIONAL
ORGANIZATIONS**

SPRING ONLY/ODD YEARS

3 credit hours

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: PS215, or consent of instructor.



PS 326 POLITICAL PHILOSOPHY

FALL ONLY/ALL YEARS

3 credit hours

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: PS101 or instructor's consent.

PS 398 INTERNSHIP

FALL ONLY/ALL YEARS

3 credit hours

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: PS101 and junior standing, or consent of instructor.

PS 402 AMERICAN CONSTITUTIONAL DEVELOPMENT/LAW

FALL ONLY/ODD YEARS

3 credit hours

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: PS101 or PS202, or consent of instructor.

PS 403 UNITED STATES FOREIGN POLICY

FALL ONLY/ODD YEARS

3 credit hours

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: PS101, or PS215, or consent of instructor.

PS 412 POLITICS OF MICRONESIA

SPRING ONLY/ALL YEARS

3 credit hours

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. Pre-requisites: PS101 or PS225 or consent of instructor.

PS 420 INTERNATIONAL LAW

FALL ONLY/EVEN YEARS

3 credit hours

This course examines the purposes, origins, adjudication, and enforcement of international law in emphasizing the practical areas of human rights, self-determination, maritime law, state recognition, and secession. The course focuses on the history and sources of international law, the effectiveness of international law in global politics, and the future of international law as it relates to the international system. Prerequisite: PS215, or consent of instructor.

PS 426 AMERICAN POLITICAL THOUGHT

SPRING ONLY/ALL YEARS

3 credit hours

This course examines political thought among Americans since independence. Specific topics may include American variation on liberalism and conservatism. Prerequisite: PS101 or PS202 or PS326 or consent of instructor.

PS 430 GEOPOLITICS AND ISLAND SECURITY

SPRING ONLY/EVEN YEARS

3 credit hours

This course provides a framework for investigating the impact of geography and geographical thinking on International Relations, with an emphasis on the role of islands in global conflict and the impact of this role on genuine island security. This course examines the origins of geopolitics, the roll of Guam and the Freely Associate States in the Indo-Pacific great-power competition, spatial understandings of war, decolonization and political status related to Micronesia's role in regional geopolitics, the role of non-human actors such as mountains, weather and flora/faun on global conflict, geopolitical futures forecasting using horizon scanning, emerging issues analysis, and scenario planning, and the development of alternative forms of security. Prerequisite: PS215 or Consent of Instructor.

PS 440 INDIGENOUS POLITICS

FALL ONLY/EVEN YEARS

3 credit hours

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: PS225 or consent of instructor.

PS 482 SPECIAL TOPICS IN POLITICAL SCIENCE

FALL/SPRING/ALL YEARS

3 credit hours

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: PS101 and either PS300 or PS302, or consent of instructor.

PS 492 CAPSTONE IN POLITICAL SCIENCE

FALL/SPRING/ALL YEARS

1 credit hour

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 PERSONAL ADJUSTMENT**

FALL/SPRING/ALL YEARS

3 credit hours

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 GENERAL PSYCHOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

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 CHILD DEVELOPMENT

FALL ONLY/ALL YEARS

3 credit hours

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: PY101.

PY 202 ADOLESCENT PSYCHOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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: PY101.

PY 210 INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

This is an introduction to experimental design, methods, and statistics used in psychological research. Prerequisite: PY101. Corequisite: PY210L.

PY 210L INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LABORATORY

SPRING ONLY/ALL YEARS

1 credit hour

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: PY101. Corequisite: PY210.

PY 304 LEARNING AND MOTIVATION

FALL ONLY/EVEN YEARS

3 credit hours

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: PY101. Corequisite: PY304L.

**PY 304L LEARNING AND MOTIVATION
LABORATORY**

FALL ONLY/EVEN YEARS

1 credit hour

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: PY101. Corequisite: PY304.

PY 305 SENSATION AND PERCEPTION

SPRING ONLY/ODD YEARS

3 credit hours

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: PY101 and PY210.

**PY 309 HISTORY AND SYSTEMS OF
PSYCHOLOGY**

FALL ONLY/EVEN YEARS

3 credit hours

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: PY101.

**PY 342 THE PSYCHOLOGY OF CLOSE
RELATIONSHIPS**

SPRING ONLY/EVEN YEARS

3 credit hours

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: PY101.

**PY 370 INTRODUCTION TO CLINICAL
PSYCHOLOGY**

FALL ONLY/ALL YEARS

3 credit hours

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: PY101.

PY 404 COGNITIVE PSYCHOLOGY

SPRING ONLY/EVEN YEARS

3 credit hours

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: PY101.

PY 405 ANIMAL BEHAVIOR

FALL ONLY/ODD YEARS

3 credit hours

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: PY101 or BI158/158L. Corequisite: PY405L.

PY 405L ANIMAL BEHAVIOR LABORATORY

FALL ONLY/ODD YEARS

1 credit hour

PY405L, is the Laboratory component of PY405 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: PY101 or BI158/158L. Corequisite: PY405.

PY 413 RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES

FALL ONLY/ALL YEARS

3 credit hours

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: PY101, PY210, and MA385 or MA-387 MA-387L. Corequisite: PY413L.

PY 413G RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES

FALL ONLY/ALL YEARS

3 credit hours

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. Prerequisites: PY101, PY210 and MA385 or MA-387/L. Corequisite: PY413L

PY 413L RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES LAB

FALL ONLY/ALL YEARS

1 credit hour

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, MA-385 or MA-387 MA-387L. Co-requisite: PY413/G.

PY 413L/G RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCE LAB

FALL ONLY/ALL YEARS

1 credit hour

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 ABNORMAL PSYCHOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

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: PY101.

PY 420G ABNORMAL PSYCHOLOGY

FALL/SPRING/ALL YEARS

3 credit hours

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 the various abnormal reaction patterns, both functional and organic; and modern theories and methods of diagnosis, therapy, and prevention. Prerequisite: PY101.

PY 426 PERSONALITY THEORY

FALL ONLY/ALL YEARS

3 credit hours

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: PY101.

PY 426G PERSONALITY THEORY

FALL ONLY/ALL YEARS

3 credit hours

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: PY101 and graduate standing.

PY 440 SOCIAL PSYCHOLOGY

FALL ONLY/ALL YEARS

3 credit hours

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: PY101.

PY 440G SOCIAL PSYCHOLOGY

FALL ONLY/ALL YEARS

3 credit hours

This course applies the scientific method to analyses 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: PY101.

PY 442 CROSS-CULTURAL PSYCHOLOGY

SPRING ONLY/ODD YEARS

3 credit hours

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 455 PSYCHOLOGY OF WOMEN

SPRING ONLY/ALL YEARS

3 credit hours

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: PY101.

PY 455G PSYCHOLOGY OF WOMEN

SPRING ONLY/EVEN YEARS

3 credit hours

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: PY101.

PY 475 MICRONESIA AND MENTAL HEALTH

SPRING ONLY/ODD YEARS

3 credit hours

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: PY101, PY370, PY420 or consent of instructor.

PY 491 PSYCHOLOGICAL RESEARCH SEMINAR

FALL/SPRING/ALL YEARS

3 credit hours

This course gives students experience in conducting psychological research as collaborators in faculty-supervised investigations. Students complete a list of project-specific 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: PY101 and the consent of the instructor. MA151 is recommended.

PY 492A PSYCHOLOGY PRACTICUM

FALL ONLY/ALL YEARS

3 credit hours

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. PY492a and/or PY492b may be repeated for elective credit. Prerequisites: PY101, PY370, PY420 or consent of instructor.

PY 492B PSYCHOLOGY PRACTICUM

SPRING ONLY/ALL YEARS

3 credit hours

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. PY492a and/or PY492b may be repeated for elective credit. Prerequisites: PY101, PY370, PY420 or consent of instructor.

PY 495H HONORS THESIS

3 credit hours

**PY 501 ETHICAL, LEGAL, AND PROFESSIONAL
ISSUES IN THE PRACTICE OF CLINICAL
PSYCHOLOGY**

FALL ONLY/EVEN YEARS

3 credit hours

This course provides a comprehensive overview of the ethical, legal, and professional issues encountered in the practice of clinical psychology. Students study the APA Ethics Code as well as local and national laws that regulate mental health practice. Topics include professional competence, client rights, informed consent, privacy, confidentiality and privileged communication. Special attention is given to procedures for evaluating and responding to suicidality and dangerousness, for working with minors and other vulnerable populations, and for reporting suspected child or elder abuse. Prerequisite: Consent of instructor.

PY 502 MICRONESIA AND MENTAL HEALTH

SPRING ONLY/ODD YEARS

3 credit hours

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: Consent of instructor.

**PY 503 PSYCHOPATHOLOGY AND
PSYCHODIAGNOSIS**

FALL ONLY/ODD YEARS

3 credit hours

This course provides an intensive study of the various forms of psychopathology described in the Diagnostic and Statistical Manual of Mental Disorders (DSM), including current theory and research on their phenomenology, etiology, and treatment. Emphasis is placed on learning to formulate accurate psychiatric diagnoses with both adults and children using the DSM's multiaxial diagnostic system. Students also engage in historical and cross-cultural analysis of psychiatric discourse, and consider alternative frameworks for conceptualizing abnormal behavior. Prerequisite: Consent of instructor.

PY 504 TOPICS IN CLINICAL PSYCHOLOGY

SPRING ONLY/EVEN YEARS

3 credit hours

This course offers in-depth study of a special topic in clinical psychology. The focus varies depending on faculty and student interests as well as needs in the community. Possible topics include: forensic psychology, substance abuse treatment, applied behavior analysis, trauma and crisis intervention, psychodynamic therapy, couples therapy, group therapy, narrative therapy, qualitative research, and psychopharmacology. With different subject matter, this course may be repeated for credit. Prerequisite: Consent of instructor.

**PY 511 RESEARCH METHODS IN CLINICAL
PSYCHOLOGY I: RESEARCH DESIGN**

FALL ONLY/EVEN YEARS

3 credit hours

The Research Methods in Clinical Psychology series prepares students to conduct and evaluate research aimed at the investigation of clinical phenomena and the development of evidence-based clinical practices. The first course in the series focuses on research design, including experimental, quasi-experimental, correlational, qualitative, single-case, and meta-analysis methodologies. Students also study historical and current trends in the literature addressing research on psychopathology, assessment, psychotherapy, and prevention. Prerequisite: Consent of instructor.

**PY 512 RESEARCH METHODS IN CLINICAL
PSYCHOLOGY II: STATISTICS**

SPRING ONLY/ODD YEARS

3 credit hours

The Research Methods in Clinical Psychology series prepares students to conduct and evaluate research aimed at the investigation of clinical phenomena and the development of evidence-based clinical practices. The second course in the series focuses on statistics, including a brief review of univariate and bivariate techniques, followed by in-depth study of multivariate procedures such as multiple regression, analysis of covariance, multivariate analysis of variance and covariance, profile analysis, discriminant analysis, logistic regression, canonical correlation, and factor analysis. Prerequisites: PY511 and consent of instructor.

PY 521 CLINICAL ASSESSMENT I: ADULT

FALL ONLY/ODD YEARS

3 credit hours

In the Clinical Assessment series, students learn to conduct a comprehensive diagnostic interview, and to administer, score, and interpret a variety of psychological assessment instruments, including measures of cognitive functioning, personality, and psychopathology. Students also learn to formulate treatment recommendations based on assessment data, write assessment reports, and give feedback to clients. Emphasis is placed on conducting culturally responsive clinical assessments through consideration of the literature on assessment with diverse populations. The first course in the series focuses on assessment with adults. During the semester, students conduct at least one clinical assessment with an adult client, including writing the assessment report and providing feedback to the client. Prerequisite: Consent of instructor.

**PY 522 CLINICAL ASSESSMENT II: CHILD AND
ADOLESCENT**

SPRING ONLY/EVEN YEARS

3 credit hours

In the Clinical Assessment series, students learn to conduct a comprehensive diagnostic interview, and to administer, score, and interpret a variety of psychological assessment instruments, including measures of cognitive functioning, personality, and psychopathology. Students also learn to formulate treatment recommendations based on assessment data, write assessment reports, and give feedback to clients. Emphasis is placed on conducting culturally responsive clinical assessments through consideration of the literature on assessment with diverse populations. The second course in the series focuses on assessment with children and adolescents. During the semester, students conduct at least one clinical assessment with a child or adolescent client, including writing the assessment report and providing feedback to the parents and the client. Prerequisite: Consent of instructor.

PY 641 CLINICAL INTERVENTION I: COGNITIVE-BEHAVIORAL THERAPY

FALL ONLY/EVEN YEARS

3 credit hours

The first Clinical Intervention course provides a comprehensive overview of cognitive and behavioral approaches to psychotherapy, including their application in the treatment of specific disorders. A multicultural emphasis is used to examine how cultural knowledge can enhance the effective and appropriate use of the different therapeutic methods. During the semester, students engage in cognitive-behavioral therapy with clients through the Graduate Practicum in Clinical Psychology. Prerequisite: Consent of instructor. Corequisite: PY692a.

PY 642 CLINICAL INTERVENTION II: CHILD AND ADOLESCENT THERAPY

SPRING ONLY/ODD YEARS

3 credit hours

The second Clinical Intervention course provides a comprehensive overview of the various approaches to conducting psychotherapy with children and adolescents, including consideration of the role of the therapist in working with parents, schools, and community agencies. A multicultural emphasis is used to examine how cultural knowledge can enhance the effective and appropriate use of the different therapeutic methods. During the semester, students engage in therapy with children and adolescents through the Graduate Practicum in Clinical Psychology. Prerequisite: Consent of instructor. Corequisite: PY692b.

PY 643 CLINICAL INTERVENTION III: FAMILY SYSTEMS THERAPY

FALL ONLY/ODD YEARS

3 credit hours

The third Clinical Intervention course provides a comprehensive overview of family systems approaches to psychotherapy, including the application of systems theory across a diverse range of family structures and presenting problems. A multicultural emphasis is used to examine how cultural knowledge can enhance the effective and appropriate use of the different therapeutic methods. During the semester, students engage in family systems therapy with families through the Graduate Practicum in Clinical Psychology. Prerequisite: Consent of instructor. Corequisite: PY692c.

PY 644 CLINICAL INTERVENTION IV: EXISTENTIAL-HUMANISTIC THERAPY

SPRING ONLY/EVEN YEARS

3 credit hours

The fourth Clinical Intervention course provides a comprehensive overview of existential and humanistic approaches to psychotherapy through the study of theoretical and literary works influenced by existentialist thought. A multicultural emphasis is used to examine how cultural knowledge can enhance the effective and appropriate use of the different therapeutic methods. During the semester, students engage in existential-humanistic therapy with clients through the Graduate Practicum in Clinical Psychology. Prerequisite: Consent of instructor. Corequisite: PY692d.

**PY 692A GRADUATE PRACTICUM IN CLINICAL
PSYCHOLOGY I**

FALL ONLY/EVEN YEARS

1 credit hour

The Graduate Practicum in Clinical Psychology provides students with the opportunity to gain supervised experience in clinical psychology practice at Isa Psychological Services Center or through external placement in a mental health or social service agency. Students are also required to attend a weekly seminar where they receive training and supervision in a particular therapeutic modality. In the first practicum, students learn various techniques associated with cognitive-behavioral therapy and see at least one client for weekly therapy employing the cognitive-behavioral approach. Students are required to complete a minimum of 100 practicum hours over the course of the semester. Prerequisite: Consent of instructor. Corequisite: PY641.

**PY 692B GRADUATE PRACTICUM IN CLINICAL
PSYCHOLOGY II**

SPRING ONLY/ODD YEARS

1 credit hour

The Graduate Practicum in Clinical Psychology provides students with the opportunity to gain supervised experience in clinical psychology practice at Isa Psychological Services Center or through external placement in a mental health or social service agency. Students are also required to attend a weekly seminar where they receive training and supervision in a particular therapeutic modality. In the second practicum, students learn various techniques for working with children and adolescents and see at least one child or adolescent client for weekly therapy. Students are required to complete a minimum of 100 practicum hours over the course of the semester. Prerequisite: Consent of instructor. Corequisite: PY642.

**PY 692C GRADUATE PRACTICUM IN CLINICAL
PSYCHOLOGY III**

FALL ONLY/ODD YEARS

1 credit hour

The Graduate Practicum in Clinical Psychology provides students with the opportunity to gain supervised experience in clinical psychology practice at Isa Psychological Services Center or through external placement in a mental health or social service agency. Students are also required to attend a weekly seminar where they receive training and supervision in a particular therapeutic modality. In the third practicum, students learn various techniques associated with family systems therapy and see at least one family for weekly therapy employing the family systems approach. Students are required to complete a minimum of 100 practicum hours over the course of the semester. Prerequisite: Consent of instructor. Corequisite: PY643.

**PY 692D GRADUATE PRACTICUM IN CLINICAL
PSYCHOLOGY IV**

SPRING ONLY/EVEN YEARS

1 credit hour

The Graduate Practicum in Clinical Psychology provides students with the opportunity to gain supervised experience in clinical psychology practice at Isa Psychological Services Center or through external placement in a mental health or social service agency. Students are also required to attend a weekly seminar where they receive training and supervision in a particular therapeutic modality. In the fourth practicum, students learn various techniques associated with existential-humanistic therapy and see at least one client for weekly therapy employing the existential-humanistic approach. Students are required to complete a minimum of 100 practicum hours over the course of the semester. Prerequisite: Consent of instructor. Corequisite: PY644.

PY 695A THESIS I

FALL/SPRING/ALL YEARS

1 - 3 credit hours

The Master's Thesis provides an opportunity for students to complete a scholarly research project under the supervision of a thesis committee, comprised of a program faculty chairperson and at least two additional members. In the first thesis course, students begin collecting and analyzing their data and present the preliminary results at a formal progress meeting with their committee. Students are required to have their thesis proposal approved by their committee prior to enrolling in PY695a. Prerequisite: Consent of advisor.

PY 695B THESIS II

FALL/SPRING/ALL YEARS

1 - 3 credit hours

The Master's Thesis provides an opportunity for students to complete a scholarly research project under the supervision of a thesis committee, comprised of a program faculty chairperson and at least two additional members. In the second thesis course, students complete their data collection and analysis, prepare a written draft of the thesis, and orally present their work at a formal thesis defense with their committee. Prerequisites: PY695a and consent of advisor.

PY 697 COMPREHENSIVE EXAM

FALL/SPRING/ALL YEARS

0 credit hours

This course provides an opportunity to document the successful completion of the PRAXIS II or comprehensive exam. It is a way to ensure that a student's academic evaluation accurately reflects the additional requirement for PRAXIS II or comprehensive exam and does not provide a false indication that the student is ready to graduate.

PY 698A INTERNSHIP IN CLINICAL PSYCHOLOGY I

FALL/SPRING/ALL YEARS

3 credit hours

The Internship in Clinical Psychology places students in a mental health or social service agency where they receive advanced training in the duties of a master's level clinical psychologist, including psychological assessment, psychotherapy, consultation, and report writing. Students are required to complete a minimum of 300 internship hours in each of the two internship courses (PY698a and PY698b). A total of 600 internship hours is required prior to graduation. Prerequisite: Consent of instructor.

PY 698B INTERNSHIP IN CLINICAL PSYCHOLOGY II

FALL/SPRING/ALL YEARS

3 credit hours

The Internship in Clinical Psychology places students in a mental health or social service agency where they receive advanced training in the duties of a master's level clinical psychologist, including psychological assessment, psychotherapy, consultation, and report writing. Students are required to complete a minimum of 300 internship hours in each of the two internship courses (PY698a and PY698b). A total of 600 internship hours is required prior to graduation. Prerequisites: PY698a and consent of instructor.

SOCIOLOGY (SO)**SO 101 INTRODUCTION TO SOCIOLOGY**

FALL/SPRING/ALL YEARS

3 credit hours

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 201 CONTEMPORARY SOCIETY

FALL ONLY/FALL ONLY

3 credit hours

An application of sociological principles to contemporary society.

SO 202 CONTEMPORARY SOCIAL PROBLEMS

FALL/SPRING/ALL YEARS

3 credit hours

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 INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS

FALL ONLY/ALL YEARS

3 credit hours

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 undergraduate students. Prerequisites: EN111, MA110, SO101 with a grade C or better or instructor's consent.

SO 221 SOCIOLOGY OF HEALTH AND MEDICINE

FALL ONLY/ALL YEARS

3 credit hours

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 230 MARRIAGE AND THE FAMILY

FALL/SPRING/ALL YEARS

3 credit hours

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: SO101 or consent of instructor.

SO 302 DEVIANCE AND SOCIAL CONTROL

SPRING ONLY/ALL YEARS

3 credit hours

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: SO101 or SO202 or consent of instructor.

SO 332 GLOBALIZATION AND HUMAN DYNAMICS

SPRING ONLY/EVEN YEARS

3 credit hours

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: AN101 or SO101.

SO 342 SOCIOLOGY OF SEX AND GENDER

FALL ONLY/EVEN YEARS

3 credit hours

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: SO101 and SO230 or consent of instructor.

SO 344 AGING: MYTH AND REALITIES

FALL ONLY/ALL YEARS

3 credit hours

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: SO101 or consent of instructor.

SO 350 DEVELOPMENT OF SOCIOLOGICAL THEORY - CLASSICAL

FALL ONLY/ALL YEARS

3 credit hours

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: SO101 or consent of instructor.

SO 351 DEVELOPMENT OF SOCIOLOGICAL THEORY - CONTEMPORARY

SPRING ONLY/ALL YEARS

3 credit hours

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: SO101.

SO 355 SOCIOLOGY OF WOMEN

FALL ONLY/ODD YEARS

3 credit hours

The Sociology of Women is designed to make students more aware of themselves as women, or if they are male, of others as women. We learn to ask questions important to women because we still lack information obtained from women's points of view. The course is directed first toward the study of women and then toward the study of women in society as a whole. Prerequisite: SO101 or consent of instructor.

SO 360 SOCIAL MOVEMENTS AND CHANGE

SPRING ONLY/ALL YEARS

3 credit hours

This course is the study of the nature and characteristics of society and the changes society is undergoing. Prerequisite: SO101 or consent of instructor.

SO 386 JUVENILE DELINQUENCY AND CRIMINOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

Students will learn the differences between juvenile delinquency, criminology, deviance and criminal justice. This course applies the sociological perspective to the study of the nature, causes and origins of juvenile delinquency and crime. This course presents a critical evaluation of current theories of delinquency and criminal causation. Some questions that are addressed include: What is unique about the juvenile court system and the laws relating to juvenile offenders. How do institutional and no-institutional treatment programs for juveniles' function? How effective have the various delinquency control and prevention programs been? What is crime? How does behavior become labeled as criminal? What forces lead to criminal behavior becoming legalized, and legal behavior becoming criminalized, and who commits crimes? Prerequisite: SO-101 or consent of instructor.

SO 405 COMMUNITY DEVELOPMENT

SPRING ONLY/ODD YEARS

3 credit hours

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: SO101/350 and MA385, or consent of instructor.

SO 405G COMMUNITY DEVELOPMENT

SPRING ONLY/ODD YEARS

3 credit hours

This is a study of applied sociology and anthropology, emphasizing social processes and programs of planned change on the community level in parts of the world currently undergoing technical development. Prerequisites: SO101/350 and MA385, or consent of instructor.

SO 411 SOCIAL ISSUES IN MICRONESIA AND GUAM

FALL ONLY/ALL YEARS

3 credit hours

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: SO101, SO203 or consent of instructor.

SO 414 RESEARCH METHODOLOGY IN SOCIOLOGY

SPRING ONLY/ALL YEARS

3 credit hours

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: SO101, SO350 or by consent of instructor.

SO 418 SOCIAL STRATIFICATION

FALL ONLY/ALL YEARS

3 credit hours

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: SO101 and MA385, or consent of instructor.

SO 445 INEQUALITY AND IDENTITY

FALL ONLY/EVEN YEARS

3 credit hours

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: SO101, SO202 or consent of instructor.

SO 455 SOCIOLOGY OF WOMEN

FALL ONLY/ODD YEARS

3 credit hours

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: SO101 and SO230 or consent of instructor.

SO 475 HUMAN ECOLOGY: PROBLEMS AND SOLUTIONS

FALL ONLY/ODD YEARS

3 credit hours

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: SO101, SO202 and MA385 or consent of instructor.

SO 480 SPECIAL TOPICS

FALL/SPRING/ALL YEARS

3 credit hours

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: SO101, SO350 and MA385, or consent of instructor. This course may be repeated for credit as the topic changes.

SO 491 SOCIOLOGICAL RESEARCH SEMINAR

SPRING ONLY/ALL YEARS

3 credit hours

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: SO101, SO414, MA385 or consent of instructor. May be repeated up to six credit hours.

SO 498 INTERNSHIP

FALL/SPRING/ALL YEARS

1 - 6 credit hours

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: SO101, SO203, SO350, or consent of instructor. May be repeated up to six credit hours.



SOCIAL WORK (SW)

SW 110 INTRODUCTION TO COMMUNITY SERVICES ON GUAM

FALL/SPRING/ALL YEARS

3 credit hours

This course is about services available in Guam to meet human needs and to alleviate social problems. Principles of social justice, human rights, collective responsibilities and respect for diversities are introduced and discussed. Student learn to conceptualize human needs and human service organizations, and to explore and describe demographic characteristics and cultural diversities in Guam. Emphasis is on the development of knowledge from the perspective of consumers of human services and on skills necessary to locate, gain access to and effectively utilize such services. The course is a General Education course; for social work students, this is not a required course.

SW 201 SOCIAL WELFARE AND DEVELOPMENT: GLOBAL CHALLENGES

FALL/SPRING/ALL YEARS

3 credit hours

This introductory course critically examines social welfare and social development from an international and comparative perspective with a focus on the importance of institutional arrangements, cultural practices and values systems. The promotion of social, racial, economic and environmental justice to advance human rights is an intrinsic dimension of social development. Embedded in this global perspective, students learn about the evolving mission and purposes, roles and functions of professional social work. This course also assist students in reflecting on and learning the ethical use of technology. The course is a General Education course; for social work students, completing this course is a requirement to be admitted into the Bachelor of Social Work program.

SW 313 RESEARCH METHODS FOR HEALTH AND SOCIAL SERVICES

SPRING ONLY/ALL YEARS

3 credit hours

This course offers an overview of quantitative and qualitative research methods and their application in health and social service systems to improve social work and health care practice, programs and policy. Course content includes ethical, culturally informed, anti-racist, and anti-oppressive strategies that address inherent biases in social work and health care practice; recognizing multiple ways of knowing and indigenous bodies of knowledge. Students learn to evaluate and critique research literature, develop research questions, collect and interpret data, and share research findings appropriately. The course is a required course for social work students, recommended to be taken in the first year of the BSW program. Prerequisite: MA151

SW 330 Generalist Social Work Practice Methods AND OVERVIEW

FALL ONLY/ALL YEARS

3 credit hours

This is the first in a series of four social work practice methods courses, it offers an overview of theories and practice methods underlying generalist social work with individuals, couples, families, groups, organizations, and communities. Students begin to learn to integrate and apply social work knowledge, social work ethics, and skills in a culturally humble, competent and purposeful manner. Students learn to professionally engage with client systems, to assess resources, to collaboratively determine goals and to implement plans to achieve these goals, and finally to critically evaluate professional social work practice. The course is required and restricted to social work students who have been admitted into the BSW program. Students take this course in the first year of the BSW program.



SW 331 GENERALIST SOCIAL WORK PRACTICE METHODS WITH GROUPS

SPRING ONLY/ALL YEARS

3 credit hours

This social work practice methods course offers theories and practice methods underlying generalist social work practice and has a strong focus on knowledge, values and skills development for working with a variety of groups in diverse settings; including culturally relevant meanings, practices and purposes of groups. Students learn professional social work skills pertaining to engagements with groups and their members, to assessing group structures and processes, to developing options for interventions and culturally appropriate evaluations of outcomes, and to manage personal and professional value conflicts and affective reactions. The course is required and restricted to social work students who have been admitted into the BSW program. Students take this course in the first year of the BSW program.

SW 332 GENERALIST SOCIAL WORK PRACTICE METHODS WITH ORGANIZATIONS AND COMMUNITIES

FALL ONLY/ALL YEARS

3 credit hours

This generalist social work practice methods course offers theories and approaches underlying generalist social work practice with organization and communities, including the ethical use of technology and the use of consultations. Students learn culturally responsive ways of engaging with organizations and communities and managing value conflicts and affective reactions; of assessing contexts, structures and processes of organizations and communities; of developing and pursuing mutually agreed-on plans; and of critically evaluating effects of interventions on multiple levels. The course is required and restricted to social work students who have been admitted into the BSW program. Students take this course in the first year of the BSW program.

SW 333 GENERALIST SOCIAL WORK PRACTICE METHODS INDIVIDUALS AND FAMILIES

SPRING ONLY/ALL YEARS

3 credit hours

This course is about generalist social work practice methods with families and individuals. Guided and framed by the professional Social Work Code of Ethics, it offers theories and approaches related to culturally competent engagement, assessment, intervention and evaluation of practice with families and individuals. Emphasis is given to the identification of inherent biases; the use of empathy, reflection and interpersonal skills, to the development and implementation of agreed-on plans, and to the culturally competent and critical evaluation of practice outcomes. The course is required and restricted to social work students who have been admitted into the BSW program. Students take this course in the first year of the BSW program.

SW 344 AGING: MYTH & REALITIES

FALL ONLY/ALL YEARS

3 credit hours

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 SOCIAL JUSTICE

FALL ONLY/ALL YEARS

3 credit hours

This course presents historic backgrounds that have led to the injustices pertaining to contemporary social, racial, economic and environmental realities of today. It describes the current dynamics and consequences of various forms of human oppression and discrimination. Students learn to anchor generalist social work practice in advocacy for universal human rights, to critically analyze justice issues from diverse points of experiences, to identify structural foundations and barriers to change, to promote social change and to implement interventions that advance social, racial, economic and environmental justice. The course is a required course for social work students, it is recommended to be taken in the first year of the BSW program.

SW 350 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I

FALL ONLY/ALL YEARS

3 credit hours

This course explores the reciprocal relationship between human behavior and social environments. Students learn theories of human behavior, person-in-environment, and other multidisciplinary theoretical frameworks to understand human behavior. The particular emphasis of this course is on human development from conception to young adulthood; including physical, emotional and intellectual developments. Students demonstrate cultural humility and competence when applying research findings to advance the understanding of human behavior in Micronesian environments. The course is a required course for social work students, it is taken in the first year of the BSW program.

SW 351 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II

SPRING ONLY/ALL YEARS

3 credit hours

This course explores the reciprocal relationship between human behavior and social environments. Students learn theories of human behavior, person-in-environment, and other multidisciplinary theoretical frameworks to understand human behavior. The particular emphasis of this course is on human development from adulthood to death; including physical, emotional and intellectual developments. Students demonstrate cultural humility and competence when applying research findings to advance the understanding of human behavior in Micronesian environments. The course is a required course for social work students, it is recommended to be taken in the first year of the BSW program.

SW 355 HUMAN SEXUALITY

SPRING ONLY/ALL YEARS

3 credit hours

This course offers a broad overview of human sexuality from a multidisciplinary perspective: including biological, psychological, sociological, cross-disciplinary and cross-cultural frameworks. It provides current information in the field today and contextualizes human sexuality within human rights and social, racial, and economic justice. The course provides an opportunity for students to reflect on their personal values, attitudes, beliefs, and behaviors regarding sexuality and to discuss and examine critical practice issues in his/her professional field. The course is an elective course for social work students.

SW 400 FIELDS OF SOCIAL WORK PRACTICE

FALL/SPRING/ALL YEARS

3 credit hours

Each semester, this course examines the history, current policy issues and practice trends in a different field of social work practice; such as family and children's services, youth services, older adults, substance abuse, health care, disabilities, school social work, social work in the workplace, indigenous and international social work, etc.. Course offerings are based on an assessment of community needs and student interests. Students learn about the goodness of fit between their personal interests and the professional requirements of these fields for possible future career choices. The course is an elective course for social work students; with different subject matters every semester, this course may be taken more than once for credit.

SW 406 SOCIAL POLICY

FALL ONLY/ALL YEARS

3 credit hours

This course focuses on current social policies within the context of historical and contemporary factors that shape social policy in U.S. territories. Students analyze political and organizational processes which influence policy formulation, implementation and evaluation within practice settings with individuals, families, organizations and communities. Students learn to use anti-racist and anti-oppressive lenses to identify inherent biases and to advance human rights and social, racial, economic, and environmental justice. The course is a required course for social work students, it is taken in the second year of the BSW program. Pre-requisite SW330 and SW345.

SW 408 ADVOCACY FOR SOCIAL JUSTICE

SPRING ONLY/ALL YEARS

3 credit hours

This course is about practical ways of advancing social justice and human rights; including racial, economic and environmental justice on individual and system levels. Using the Social Work Code of Ethics, students learn to identify justice issues for diverse client systems, assess potentials for change and choose issues for justice advocacy. Students collaborate with each other and/or interest groups in the community to articulate goals and objectives for advocacy, they develop and implement action plans, use technology ethically, and they critically evaluate their advocacy efforts. The course is taken in the second year of the BSW program. Pre-requisite SW406.

SW 410 SOCIAL WELFARE AND SOCIAL DEVELOPMENT IN MICRONESIA

FALL ONLY/ALL YEARS

3 credit hours

This course provides a brief historical review of Micronesia leading to a comparative description of young island nations in the Micronesia region. The course outlines how indigenous welfare practices have persisted, been destroyed, altered and reinvented in recent time periods. Students learn to use anti-racist and anti-oppressive social work lenses and practice approaches in the Micronesian context, to assess how welfare policies affect delivery and access to social services, and how to practice cultural humility and competence in Guam and the Micronesian Region. The course is a required course for social work students.

SW 460 BEHAVIORAL HEALTH PRACTICE FOR SOCIAL WORKERS

FALL ONLY/ALL YEARS

3 credit hours

This course explores the roles of social workers in behavioral health settings, specifically as multi-disciplinary team members. It provides the basics in assessment, treatment, and evaluation of clinical disorders contained in the DSM-5. Students learn selected policies that govern this field of practice, to demonstrate professional behavior, to manage personal and professional value conflicts and affective reactions, to demonstrate respect for client self-determination, to use supervision and consultation, and to collaborate interprofessionally and interculturally. The course is a required course for social work students. Prerequisite SW333.

SW 480 FAMILY VIOLENCE

SPRING ONLY/ALL YEARS

3 credit hours

This course examines family violence and family resilience in Guam and the Micronesian region from a cross-cultural, interactional and interdisciplinary practice perspective. Students learn about issues of family violence from the viewpoints of victims, members of their extended family, perpetrators, and those who intervene in pursuit of human rights and social justice for children and adult members of families. The course content is heavily based on local data and the practice experiences of local social workers. Students learn to engage with client systems, to respect client self-determination, assess challenges and opportunities, intervene and critically evaluate practice pertaining to family violence. The course is a required course for social work students.

SW 485A FIELD INSTRUCTION

FALL ONLY/ALL YEARS

4 credit hours

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. In field instruction students demonstrate the mastery of all social work competencies which they learned in social work courses. Field instruction is required and restricted to BSW students.

SW 485B FIELD INSTRUCTION

SPRING ONLY/ALL YEARS

4 credit hours

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. In field instruction students demonstrate the mastery of all social work competencies which they learned in social work courses. Field instruction is required and restricted to BSW students.

THEATRE (TH)

TH 101 INTRODUCTION TO THE THEATER

FALL/SPRING/ALL YEARS

3 credit hours

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 ACTING I

FALL/SPRING/ALL YEARS

3 credit hours

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 STATECRAFT

FALL ONLY/EVEN YEARS

3 credit hours

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 ACTING II

SPRING ONLY/EVEN YEARS

3 credit hours

Acting II is a continuation of TH102. It offers continued work on character development, scene study, and moves into advanced improvisational techniques. Prerequisite: TH102 (with grade of "B" or better) or Consent of Instructor.

TH 205 STAGE MANAGEMENT

FALL ONLY/ODD YEARS

3 credit hours

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 THEATER PRACTICUM

FALL/SPRING/ALL YEARS

1 credit hour

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 DIRECTING

FALL ONLY/ODD YEARS

3 credit hours

This course includes selecting, analyzing, casting and rehearsing a one-act play performed for a selected audience. Prerequisite: TH202 or consent of instructor.

TH 315 SCENIC DESIGN

SPRING ONLY/EVEN YEARS

3 credit hours

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 LIGHTING DESIGN

SPRING ONLY/ODD YEARS

3 credit hours

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 THEATER HISTORY I

FALL ONLY/EVEN YEARS

3 credit hours

This is a comprehensive survey of Western and Oriental Theater from earliest times to 1700.

TH 426 THEATER HISTORY II

SPRING ONLY/ODD YEARS

3 credit hours

This is a comprehensive survey of Western and Oriental Theater from 1700 to the present.

WOMEN&GENDER STUDIES (WG)

WG 101 INTRODUCTION TO WOMEN & GENDER STUDIES

FALL/SPRING/ALL YEARS

3 credit hours

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 GENDER AND SOCIETY

FALL ONLY/ALL YEARS

3 credit hours

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 230 MARRIAGE AND THE FAMILY

FALL/SPRING/ALL YEARS

3 credit hours

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: SO101 or consent of instructor.

WG 323 LITERATURE BY WOMEN

FALL ONLY/ALL YEARS

3 credit hours

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: EN111; any 200-level literature course or consent of instructor.

WG 380 WOMEN, POLITICS AND POLICY

FALL ONLY/EVEN YEARS

3 credit hours

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: PS101 or WG101.

WG 391 SELECTED STUDIES IN WOMEN AND GENDER STUDIES

FALL ONLY/ALL YEARS

3 credit hours

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: WG101.

WG 455 PSYCHOLOGY OF WOMEN

SPRING ONLY/ALL YEARS

3 credit hours

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: PY101.

WG 455G PSYCHOLOGY OF WOMEN

SPRING ONLY/EVEN YEARS

3 credit hours

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: PY101.

WG 461 PACIFIC WOMEN WRITERS

SPRING ONLY/ODD YEARS

3 credit hours

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: EN111; Any 200-level literature course or consent of instructor.

WG 461G PACIFIC WOMEN WRITERS

SPRING ONLY/EVEN YEARS

3 credit hours

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: EN111; Any 200-level literature course or consent of instructor.

WG 490 SPECIAL PROJECT

AS REQUIRED

3 credit hours

LANGUAGE:CHINESE (CI)

CI 101 ELEMENTARY CHINESE (MANDARIN) I

AS REQUIRED

4 credit hours

This is a beginning course in Mandarin Chinese with emphasis on listening, speaking, writing and grammar.

CI 102 ELEMENTARY CHINESE (MANDARIN) II

AS REQUIRED

4 credit hours

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: CI102 or the equivalent skill level.

CI 201 INTERMEDIATE CHINESE (MANDARIN) I

AS REQUIRED

4 credit hours

This is the third semester of Mandarin Chinese. Emphasis is placed on advanced conversation, reading, and writing. Prerequisite: CI101 and CI102 or the equivalent skill level.

CI 202 INTERMEDIATE CHINESE (MANDARIN) II

AS REQUIRED

4 credit hours

This is the fourth semester of Mandarin Chinese. Emphasis is placed on advanced conversation, reading, and writing. Prerequisite: CI101, CI102, and CI201 or the equivalent skill level.

LANGUAGE: CHUUKES (CK)

CK 101 CONVERSATIONAL CHUUKES

AS REQUIRED

4 credit hours

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 NEW CHUUKESSE ORTHOGRAPHY

AS REQUIRED

4 credit hours

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: CK101 or permission of instructor.

LANGUAGE: CHAMORU (CM)

CM 101 ELEMENTARY CHAMORU I

FALL ONLY/ALL YEARS

4 credit hours

This is a beginning course with emphasis on oral-aural competency.

CM 102 ELEMENTARY CHAMORU II

SPRING ONLY/ALL YEARS

4 credit hours

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: CM101; two-year high school CHamoru , or consent of instructor.

CM 110 INTRO TO CHAMORU STUDIES

FALL ONLY/ALL YEARS

3 credit hours

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 INTERMEDIATE CHAMORU I

FALL ONLY/ALL YEARS

4 credit hours

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: CM102, or consent of instructor.

CM 202 INTERMEDIATE CHAMORU II

SPRING ONLY/ALL YEARS

4 credit hours

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: CM201.

CM 210 CHAMORU STUDIES AND PRACTICE

FALL/SPRING/ALL YEARS

3 credit hours

This course explores CHamoru art forms and practices. It examines the ways in which such forms and practices reflect 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 232 MICRONESIAN SEAFARING SYSTEM

FALL ONLY/ALL YEARS

3 credit hours

This course is an introduction to the Micronesian seafaring system. Particular emphasis is placed on building skills for constructing canoe houses and canoes. In this course, students gain knowledge in navigation, plant use, ocean and weather patterns, and indigenous mathematical measurements.

CM 301 ADVANCED CHAMORU I - READING

FALL ONLY/EVEN YEARS

4 credit hours

This course emphasizes reading competency, further development of oral-aural skills, and the phonological and morphological structures of the CHamoru language. Prerequisites: CM201 and CM202 or consent of instructor.

CM 302 ADVANCED CHAMORU II-WRITING

SPRING ONLY/ODD YEARS

4 credit hours

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: CM202 and CM301 or consent of instructor.

CM 332 TRADITIONAL NAVIGATION

SPRING ONLY/ALL YEARS

3 credit hours

This course gives students an understanding on Micronesian traditional navigation as part of the seafaring system. This system includes knowledge and skills taught in the canoe house, including understating of the living environment, to the highly specialized skills in canoe and structural building, traditional healing, weather predictions, and traditional navigation. It provides understanding of navigational elements such as wind and wave patterns, and indigenous cosmology. The course will also explain Micronesian wayfinding through complex ?etak? and system of estimation and dead reckoning. Prerequisite: Consent of Instructor.

CM 340 CHAMORU CULTURE

FALL ONLY/ALL YEARS

3 credit hours

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 century. Prerequisites: CM102 and CM110, or consent of instructor.

CM 390 SPECIAL PROJECT

3 credit hours

CM 412 TOPICS IN CHAMORU STUDIES

SPRING ONLY/ODD YEARS

3 credit hours

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: CM340 or consent of instructor. This course is to be taught concurrently with Existing GUAM/CHamoru STUDIES (MI512)

CM 432 MICRONESIAN CANOE BUILDING

3 credit hours

This course gives students an understanding on the concept of the Micronesian (proa) canoe as part of the seafaring systems. This system includes an array of Indigenous knowledge and skills taught in the canoe house, beginning with basic understanding of the living environment, to the highly specialized skills in canoe building and traditional navigation. The course will provide the basic safety handling on tools, phases of canoe building and designs using traditional measurements, and multifunctionality of canoe components. Prerequisite: CM-394 or consent of instructor.

CM 491 CHAMORU STUDIES SENIOR CAPSTONE

SPRING ONLY/ODD YEARS

3 credit hours

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 several options for their capstone project that may include research, demonstration, or creative expression. All capstone projects will be delivered in the CHamoru language. Prerequisites: CM302 and consent of Instructor.

LANGUAGE:FRENCH (FR)

FR 101 ELEMENTARY FRENCH I

AS REQUIRED

4 credit hours

This is a beginning course with emphasis on grammar, conversation, reading, and French culture.

FR 102 ELEMENTARY FRENCH II

AS REQUIRED

4 credit hours

This is a continuation of FR 101. It introduces students to further basic language skills. Prerequisite: FR101 or equivalent.

LANGUAGE:GERMAN (GN)

GN 101 ELEMENTARY GERMAN I

AS REQUIRED

4 credit hours

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 ELEMENTARY GERMAN II

AS REQUIRED

4 credit hours

This is a continuation of GN101. It introduces students to further basic language skills. Prerequisite: GN101 or equivalent.

LANGUAGE:JAPANESE (JA)

JA 101 ELEMENTARY JAPANESE I

FALL/SPRING/ALL YEARS

4 credit hours

This course provides beginners with basic skills in listening, speaking, reading and writing in Japanese. Special Emphasis is on oral-aural skills.

JA 102 ELEMENTARY JAPANESE II

FALL/SPRING/ALL YEARS

4 credit hours

This is a continuation of Elementary Japanese I with increasing emphasis on reading and writing skills.

Prerequisite: JA101 with a grade of C or better or equivalent.

JA 105 BUSINESS JAPANESE I

AS REQUIRED

4 credit hours

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: JA101.

JA 201 INTERMEDIATE JAPANESE I

FALL ONLY/EVEN YEARS

4 credit hours

This is a course continuing the development of oral-aural, reading and writing skills begun at the elementary level. Prerequisites: JA102 with a grade of C or better or equivalent, or demonstrated control of its content.

JA 202 INTERMEDIATE JAPANESE II

SPRING ONLY/ODD YEARS

4 credit hours

This is a course with emphasis on reading competency and further development of oral-aural skills. Prerequisite: JA201 with a grade of C or better or equivalent or demonstrated control of its content.

JA 215 JAPANESE FOR TOURISM

SPRING ONLY/ALL YEARS

4 credit hours

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: JA101 with a grade of C or better or equivalent, or consent of instructor.

JA 217 JAPANESE CULTURE AND SOCIETY

FALL ONLY/ALL YEARS

3 credit hours

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 THIRD YEAR JAPANESE I

FALL ONLY/ODD YEARS

4 credit hours

This course continues the emphasis on reading competency and further development of oral-aural skills.

Prerequisite: JA202 with a grade C or better or equivalent, or consent of instructor.

JA 302 THIRD YEAR JAPANESE II

SPRING ONLY/EVEN YEARS

4 credit hours

This is a continuation of Third Year Japanese I.

Prerequisites: JA301 or demonstrated control of its content.

JA 401 FOURTH YEAR JAPANESE I

AS REQUIRED

4 credit hours

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: JA302 or demonstrated control of its content.

JA 402 FOURTH YEAR JAPANESE II

AS REQUIRED

4 credit hours

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: JA401 or demonstrated control of its content.

LANGUAGE: KOREAN (KO)

KO 101 ELEMENTARY KOREAN I

FALL/SPRING/ALL YEARS

4 credit hours

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 ELEMENTARY KOREAN II

FALL/SPRING/ALL YEARS

4 credit hours

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.

LANGUAGE:POHNPEIAN (PN)

PN 101 CONVERSATIONAL POHNPEIAN

AS REQUIRED

4 credit hours

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.

LANGUAGE:SPANISH (SN)

SN 101 ELEMENTARY SPANISH I

FALL/SPRING/ALL YEARS

4 credit hours

This is a beginning course with emphasis on grammar, conversation, reading, and Spanish culture.

SN 102 ELEMENTARY SPANISH II

FALL/SPRING/ALL YEARS

4 credit hours

This is a continuation of SN101. It introduces students to further basic language skills. Prerequisite: SN101 or equivalent.

LANGUAGE:TAGALOG (TA)

TA 101 CONVERSATIONAL TAGALOG I

FALL/SPRING/ALL YEARS

4 credit hours

This is a beginning course, with emphasis on grammar, conversation, reading, writing and Tagalog culture.

TA 102 CONVERSATIONAL TAGALOG II

SPRING ONLY/ALL YEARS

4 credit hours

This course is a continuation of TA101. Further skills on grammar, conversation, and reading of Tagalog are covered.



TA 186 TAGALOG LNGE WKSP IN THE PHILIPPINES

AS REQUIRED

4 credit hours

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: TA101 and Consent of Instructor.

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| • ROBERT A. BURNS, Ph.D. † English | • KATHLEEN R. OWINGS-JONES, M.A. † English | • PHILIP DAUTERMAN, Ph.D. † English | • HEIDI E. SAN NICOLAS, Ph.D. Education |
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| • PAUL CALLAGHAN, Ph.D. Economics | • RUSSELL G. PECKENS, Ed.D. † Education | • ELAINE M. FUERST, Ph.D. Psychology | • ANDREW W. SHOOK, Ph.D. † Speech |
| • FILOMENA CANTORIA, Ph.D. Accounting | • DONALD PLATT, Ph.D. History | • ROBERT E. FUERST, Ph.D. † Counselor Education | • ROSALIE R. SHOOK, Ph.D. † English |
| • PAUL CARANO, M.A. † History | • SISTER FELICIA E. PLAZA, MMB † Mathematics | • FRAN LATHER GILBERT, Ed.D. † Communication | • DONALD R. SHUSTER, Ed.D. † Micronesia-Asian Studies |
| • CLAYTON CARLSON, M.A. English | • RICHARD N. PRELOSKY, MPH † Community Development | • NICHOLAS J. GOETZFRIDT, Ph.D. Library Science | • DALJIT SINGH, Ph.D. Public Administration |
| | | • PAULINE C. HARVEY, M.A. † Communication | • KIM SKOOG, Ph.D. Philosophy |
| | | • LEROY F. HEITZ, Ph.D. Engineering | • KYLE SMITH, Ph.D. Psychology |
| | | • PATTY JO HOFF, Ph.D. † Communication | • LILNABETH P. SOMERA, Ph.D. Communication |
| | | • MELVILLE J. HORNFIELD, Ed.D. Education | • DONALD SOPER, MBA † Marketing |
| | | • YUKIKO INOUE-SMITH, Ph.D. Education | • IRIS K. SPADE, M.A. † Japanese |

- DELORES B. JOHNSON,
M.A. †
English
- RANDALL JOHNSON,
Ph.D.
Music
- ANTHONY K.
KALLINGAL, Ph.D.
Statistics and
Measurement
- GEORGE KALLINGAL,
Ph.D.
Education
- LAWRENCE
KASPERBAUER, Ph.D.
Sociology
- LOURDES KLITZKIE, Ph.D.
Special Education
- CHIN-TIAN LEE, Ph.D.
Horticulture
- JOSE S. LEON
GUERRERO JR., Ed.D. †
School Administration/
Supervision
- CHRISTOPHER S.
LOBBAN, Ph.D.
Biology
- HARLEY I. MANNER,
Ph.D.
Geography and
Micronesian Studies
- JAMES A. MARSH JR.,
Ph.D.
Marine Biology
- JOHN A. SPADE, D.A. †
English
- REBECCA A.
STEPHENSON, Ph.D.
Anthropology
- HENRY J. TAIJERON,
Ph.D.
Mathematical Science
- ROY T. TSUDA, Ph.D.
Marine Biology
- SALLY Y. TSUDA, Ph.D.
Nursing
- ROBERT A.
UNDERWOOD, Ed.D.
Bilingual-Bicultural
Education
- GEORGE CLAYTON
WALL, Ph.D.
Plant Pathology
- CHIH WANG, Ph.D.
Library Science
- KATHRYN M. WOOD,
Ph.D.
Nursing
- RANDALL L. WORKMAN,
Ph.D.
Extension and Community
Engagement
- LORRAINE C.
YAMASHITA, Ed.D.
Education

† Deceased

ACADEMIC CALENDAR

FANUCHANAN-TINALO 2021

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 registration for new and returning students up to 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.

AUGUST

Aug. 5, 6, 13, 16, & 17 Open Registration

Aug. 10~13 New Student Registration

Aug. 10~13 Senior Citizens notify Records Office of intent to participate in tuition waiver program.

Aug. 18 Weekday Classes Begin & Part A – 8 weeks classes

Aug. 18~24 Schedule Adjustment (Drop & Add Courses) - Make schedule adjustment at the Admissions and Records office, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday) Cancellation Fees applies.

Aug. 21 Saturday Classes Begin

Aug. 24 Last day to register for Course by Conference. *Forms available at the Professional and International Programs (PIP) office located in the 2nd floor of the Computer Center building.*

Aug. 24 Deadline to Withdraw Without Transcript Records Entry.

Aug. 25 Senior Citizen Tuition Program registration for eligible residents (55+). Contact# 734-2210/11

Aug. 26 Payment Deadline for Fanuchanan Registration: *Final payment for Fanuchanan Registration must be received by 4:00pm, August 26, 2021; 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.

SEPTEMBER

Sept. 6 Holiday: Labor Day

Sept. 15 Deadline for voluntary withdrawal from Part A 8-week classes

OCTOBER

Oct. 9 Last Day for Voluntary Withdrawal from classes with a Grade of "W"

Oct. 11~17 Break - Fanuchanan 2021

Oct. 13 Deadline for Special Project and Credit by Exam. *Forms available at the Global Learning & Engagement Office located on the second floor of the MARC/Computer Center building.*

Oct. 19 Last day of Part A 8-week classes & Petition to withdraw from Part A 8-week classes courses by petition

Oct. 18 First day of Part B 8-week classes

NOVEMBER

Nov. 2 Holiday: All Souls' Day

Nov. 11 Holiday: Veterans Day

Nov. 17 Deadline for voluntary withdrawal for Part B 8-week classes

Nov. 25 Holiday: Thanksgiving Day

Nov. 25~27 Thanksgiving Break

Nov. 26 Deadline to announce thesis defense

DECEMBER

Dec. 3 Deadline to defend thesis

Dec. 8 Holiday: Our Lady of Camarin Day

Dec. 10 Deadline to Submit Petition to Withdraw from classes. *Pick-up and submit form at the Admissions and Records Office by 5pm. (One form per class; each form requires individual instructors and advisor signature and approval).*

Dec. 10 Last day of instruction for regular and Part B 8-week classes

Dec. 10 Deadline for thesis submission

Dec. 11 Last day of instruction for Saturday classes

Dec. 13 Final exams for Saturday classes

Dec. 13~15 Final exams for weekday classes

Dec. 17 Semester ends

Dec. 17 Grades due for prospective graduating students by 5 p.m.

Dec. 1~21 Online grade posting (faculty)

Dec. 19 Fanuchānan 2021 Commencement Ceremony

Dec. 20 Grades for all students due by 5 p.m.

DECEMBER

Dec. 6~17 Registration

Dec. 18 Tinalo' courses begins

Dec. 20 Schedule Adjustment (Add/Drop) Period

Dec. 20 Late Registration

Dec. 21 Tuition payment deadline. *Final payment for Tinalo' must be received by 4 p.m. Students who don't make the payment deadline will be administratively*

withdrawn from all courses and will be required to pay a \$50 administrative fee.

Dec. 25 Holiday: Christmas Day

JANUARY

Jan. 1 Holiday: New Year's Day

Jan. 4 Deadline for voluntary withdrawal from courses

Jan. 12~15 Faculty evaluations

Jan. 15 Tinalo' courses end

Jan. 18 Final grades due

FANOMNAKAN 2022

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 registration for new and returning students up to 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.

SEPTEMBER

Sept. 1 Deadline to submit International (Foreign I-20) Application for Admission

Sept. 30 Deadline to submit Application for Degree Completion.

Students anticipating Fañomnākan 2022 graduation must submit an Application for Degree Completion to the Admissions & Records Office.

OCTOBER

Oct. 18 Deadline to submit Former Student Re-entry Application to participate in Fañomnākan 2022 Early Registration by class level. Students who submit Re-Entry Applications after deadline will participate in Fañomnākan 2022 Open Registration.



NOVEMBER

Nov. 3 – Dec. 3 Early registration by class level
Total credits completed = Class Level. Register at the Admissions Records Office, Web Advisor, or any Satellite location. Make payment on January 27, by 4:00 pm.

Nov. 19 Deadline to submit Resident/Non-Resident Application for Admission to avoid Fañomnåkan 2022 Late Registration.

DECEMBER

Dec. 6~23 Early registration on Web Advisor ONLY

JANUARY

Jan. 1 Holiday: New Year's Day

Jan. 5, 6, 7, 14, & 18 Open registration
Register at the Admissions & Records Office, on Web Advisor, or at any satellite location from 8 a.m. to 5 p.m., Monday - Friday

Jan. 10~14 New student registration

Jan. 10~14 Senior citizens notify Records Office of intent to participate in Tuition Waiver Program

Jan. 17 Holiday: Martin Luther King Jr.

Jan. 19 Weekday classes and Part A 8-week classes begin

Jan. 19~25 Schedule Adjustment Period
Make schedule adjustments at the Admissions & Records Office or any satellite location from 8 a.m. to 5 p.m., Monday to Friday. Cancellation fee applies.

Jan. 22 Saturday classes begin

Jan. 25 Deadline to register for Course by Conference.
Forms available at the Global Learning & Engagement office located on the second floor of the MARC/Computer Center building.

Jan. 25 Deadline to drop classes without a transcript record entry.

Jan. 26 Tuition Waiver Program registration for eligible senior citizen residents (55+)

Jan. 27 Tuition payment deadline by 4 p.m.

FEBRUARY

Feb. 16 Deadline for voluntary withdrawal from Part A 8-week classes

Feb. 25 Faculty Development Day

MARCH

Mar. 7 Holiday: Guam History & CHamoru Heritage Day

Mar. 9 University of Guam Charter Day

Mar. 16 Deadline for voluntary withdrawal from classes with a grade of "W"

Mar. 16 Deadline for Special Project and Credit by Exam
Forms available at the Global Learning & Engagement office located on the second floor of the MARC/Computer Center building.

Mar. 18 Last day of instruction and deadline for petition to withdraw for Part A 8-week classes

Mar. 21~25 Fañomnåkan Break

Mar. 28 First day of classes for Part B 8-week classes

APRIL

Apr. 27 Deadline for voluntary withdrawal from Part B 8-week classes

MAY

May 13 Deadline to submit Petition to Withdraw from 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 13 Last day of instruction

May 16 Final exams for Saturday classes

May 16~18 Final exams for weekday classes

May 9~27 Online grade posting



May 20 Semester ends

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

May 22 Fañomnåkan 2021 Commencement

May 23 Grades for all remaining students due by 5 p.m.

May 31 Holiday: Memorial Day

FINAKPO 2022

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 registration for new and returning students up to 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.

FEBRUARY

Feb. 7 Deadline for International (Foreign I-20) applications for admission

Feb. 28 Deadline to submit application for degree completion for students anticipating graduating in Finakpo' 2021 or Fanuchånan 2021
Applications available at the Admissions & Records Office

MARCH

March 2~31 Early registration by class level
Class level is determined by total credits completed. Register at the Admissions & Records Office, on Web Advisor, or at any satellite location. Payment must be completed no later than the second day for each Finakpo session.

APRIL

Apr. 1 – May 3 Early registration on Web Advisor ONLY

Apr. 11 Deadline to apply for admission to participate in Finakpo' 2022 New Student Orientation/Registration

MAY

May 24~25 Open registration
Register at the Admissions & Records Office or any Satellite location from 8 a.m. - 5 p.m., Monday - Friday.

May 26~27 New student registration

May 30 Holiday: Memorial Day

May 31 First Day of Classes, Late Registration & Schedule Adjustment - Finakpo' 2022 Session "A"

May 31 Last day to register for Course by Conference for Finakpo' 'A'.
Forms available at the Professional and International Programs (PIP) office located in the 2nd floor of the Computer Center building.

JUNE

June 6 First day of classes for Session A, Late registration and schedule adjustment for Session B

June 6 Deadline to register for Course by Conference for Finakpo' B
Forms available at the Global Learning & Engagement office located on the second floor of the MARC/Computer Center building.

June 13 Deadline for Special Project and Credit by Exam for Finakpo' A
Forms available at the Global Learning & Engagement office located on the second floor of the MARC/Computer Center building.

June 15 Deadline for voluntary withdrawal from Session A classes with a grade of "W"

June 20 Deadline for Special Project and Credit by Exam for Finakpo' B
Forms available at the Global Learning & Engagement office located on the second floor of the MARC/Computer Center building.

June 22 Deadline for voluntary withdrawal from Session B classes with a grade of "W"

June 30 Last Day of Classes for Finakpo' 2022 Session "A"



June 30 Deadline to submit Petition to Withdraw from 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

July 5 Holiday: Independence Day (observed)

July 6 First day of classes, Late registration and schedule adjustment for Session C

July 6 Deadline to register for Course by Conference for Finakpo' C

Forms available at the Global Learning & Engagement office located on the second floor of the MARC/Computer Center building.

July 6 Grades for Session A due before 5 p.m.

July 13 Deadline for voluntary withdrawal from Session C classes with a grade of "W"

July 21 Holiday: Liberation Day

July 20 Deadline for Special Project and Credit by Exam for Finakpo' C

Forms available at the Global Learning & Engagement office located on the second floor of the MARC/Computer Center building.

July 22 Deadline to submit Petition to Withdraw for 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 22 Last day of classes for Session B

July 23 Last day of Saturday classes for Session B

July 27 Grades for Session B due by 5 p.m.

AUGUST

Aug. 5 Deadline to submit Petition To Withdraw for 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 instructors signature and approval.)

Aug. 5 Last day of classes for Session C

Aug. 6 Last day of Saturday classes for Session C

Aug. 10 Grades for Session C due by 5 p.m.

FANUCHANAN 2022

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.

March 14 Deadline to submit International (Foreign I-20) applications for admission

April 1 – May 6 Early registration by class level
Class level is determined by total credits completed. Register at the Admissions & Records Office, on Web Advisor, or at any satellite location from 8 a.m. - 5 p.m., Monday - Friday.

May 9 – July 8 Early registration on Web Advisor ONLY

May 27 Deadline to submit resident/non-resident applications for admission (except International Students)

GRADUATE ADMISSIONS OFFICE

GRADUATE ADMISSION STANDARDS

GRADUATE ADMISSION STANDARDS

Students must be admitted to Graduate Student Status to take graduate courses for credit, except in the case of qualifying undergraduates as stated in Academic Regulations later in this Bulletin. However, taking graduate

courses without admission into a graduate major program is not advised. Federal Financial Aid programs will not support graduate study unless the student is enrolled in a specific graduate program. Students are advised to apply to a specific program as quickly as possible.

REQUIREMENTS FOR GRADUATE STUDENT STATUS

REQUIREMENTS FOR GRADUATE STUDENT STATUS

To be admitted to Graduate Student Status, the applicant must have earned a recognized bachelor's degree from an accredited U.S. institution or from a recognized foreign institution with a minimum GPA of 2.50 (C+) on a U.S. 4.00 grading system (or the equivalent GPA on the basis of another grading system) and must comply with the following:

1. Apply online at <https://www.applyweb.com/apply/guam> or file an application form with the Graduate Admissions Office. A non-refundable application fee must accompany the application form. Should you decide not to attend the semester you applied for, you may submit a written request to the Graduate Admissions Office to defer your admittance to the following semester. Application for Admissions is valid for one calendar year.
2. Request official certified transcripts indicating conferral of degree granted from an accredited U.S. Institution or from a recognized foreign institution, sent directly to the Graduate Admissions Office. Nonofficial copies may be provisionally accepted for the first semester of enrollment. Failure to comply may result in loss of graduate student status and forfeiture of credits.
3. Submit to the Graduate Admissions Office a written essay of accomplishments, interests, and goals and reasons for wishing to pursue a graduate degree program. Many programs have specific guidelines addressing this essay requirement. Please consult the program descriptions in this Bulletin for more information.
4. Have at least two letters of reference submitted on your behalf from persons familiar with your academic or professional performance. Some programs may require a third letter of reference. For programs in the School of Education, disposition rubrics are used in lieu of letters of reference.
5. Provide written documentation of a Tuberculin Test (PPD), as per Guam law, for students taking courses on campus. The PPD must be taken within the previous six months (and results of an X-ray if PPD is positive), plus, students born in 1957 or after must also provide evidence of vaccination against mumps, measles, and rubella (MMR).
6. Submit proof of residence. For determining the applicable residency classification for tuition purposes, see Residency Rules later in this Bulletin. Non-immigrant aliens, e.g. B, F, H, E, L visa holders, are classified as non-residents and are not qualified for resident tuition rates or exemptions.
7. For International (I-20) admission, applicants must submit the following additional requirements on or before the published deadlines. The Graduate

Admissions Office must receive all the required documents before an Immigration Form I-20, Certificate of Eligibility, will be issued. Students should take the I-20 form to the U.S. Embassy in their home country where they will apply for an F-1 visa. Students should have the F-1 visa in their possession prior to entry into Guam.

- a. Demonstrate English proficiency through a TOEFL, GRE, or GMAT exam, or in some other manner approved by the director of Graduate Studies.
- b. Affidavit of financial support. This is a certified, sworn document verifying the financial ability of the student to undertake the expenses of education and living on Guam. A financial

document attesting to this must be provided. A sample template is provided in the graduate application

- c. Proof of a guaranteed minimum amount of \$1,000 (U.S. dollars) for initial entry to Guam.
- d. Copies of your current passport and any U.S. Immigration & Customs Enforcement documents (i.e.: visa, I-20, I-94, etc.) that may have been issued to you.
- e. Proof of valid health or medical insurance with coverage levels in compliance with U.S. visa regulations.

TRANSFER OF CREDITS

TRANSFER OF CREDITS

Graduate students must file transcripts of all graduate work completed at other colleges or universities with the Office of Admissions & Records. Only grades of "A" and "B" are transferable, and no more than nine semester hours of graduate work can be transferred to the University of Guam.

Evaluation of transfer credits is initiated with the student's advisor, who approves or disapproves any equivalence of transfer courses to those offered at the University of

Guam. These courses should be listed on the graduate "Transfer Credit Request Form" and submitted to the Graduate Admissions Office, which will transmit it to the registrar for certification.

Graduate credit earned through distance education programs may be acceptable toward an advanced degree, if approved by the program chair and dean. Such credit may also serve as a contractual undergraduate prerequisite with the written approval of the student's advisor and the approval of the appropriate department.

ENTRANCE INTO A GRADUATE PROGRAM

ENTRANCE INTO A GRADUATE PROGRAM

Admission to Graduate Student status does not guarantee admission to a particular graduate degree program. Students seeking degrees must file a "Graduate Program Entry Form" with the Graduate Admissions Office. A student must meet the requirements established for the chosen degree program, meet with the program chair, and be accepted as a potential candidate by the faculty of that program.

A program may recommend that a student receive full or conditional admission. For Financial Aid purposes, students who have met with their program chair and been conditionally admitted to a program will be considered pursuing a degree of study for one semester, after which time the student must make an appointment with the program chair with a new "Graduate Program Entry Form."

A maximum of 12 graduate credits earned at the University of Guam prior to the student's admittance into a graduate program may be applied toward fulfilling the master's degree requirements. Credits in excess of this may not subsequently be applied to a degree program.



The 12 credits shall not include any prerequisites for a student's admittance into a graduate program.

ADVANCEMENT TO CANDIDACY

Graduate students who have made significant progress toward their degree program and are prepared to undertake research or professional capstone activities will be Graduate Candidates. Different programs have different requirements for advancement to candidacy. These requirements are in the Program Descriptions section of this Bulletin. Students should seek advice from the program chair about taking this step.

FINANCIAL INFORMATION FOR GRADUATE STUDENTS

TUITION & FEES

The Board of Regents establishes tuition and other fees at the University of Guam. The charges listed here are those in effect at the time of publication and are subject to change by the board.

A non-refundable application fee must accompany all applications for admission. No application will be considered if the fee has not been paid, and the applicant will not be permitted to register for any course.

TUITION RATES (GRADUATE)

| Status | Fanuchānan 2022 (Aug.- Dec.) / Fañomnākan 2023 (Jan.-May) | Finakpo' 2023 (June-Aug.) |
|--------------|---|------------------------------|
| Resident | \$299 | \$299 |
| Non-Resident | \$598 | \$598 |

OTHER SPECIAL TUITION RATES

- Graduate students who enroll in undergraduate courses for any reason will be charged the graduate rate.
- The fee for auditing classes or for Credit-by-Examination is the cost that would be charged if the student enrolled for a regular class.

PAYMENTS

The University accepts cash, check, and/or credit card (MasterCard, VISA, American Express, and other major credit cards.) Payments are accepted at Business Office (735-2923) and/or the Triton One-Stop Office located at the Calvo Field House. Payment can also be done through CASHNET under WebAdvisor.

PAYMENT DEADLINE

Payment deadlines are advertised each semester and during the Finakpo' terms in the Course Schedule advertisement.

FEES

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

| Fee | Fanuchānan 2022 / Fañomnākan 2023 | Finakpo' 2023 |
|--------------------|--|-----------------|
| Registration | \$12 | \$12 |
| Student Services | \$44 | \$24 |
| Library Services | \$48 | \$48 |
| Student Activities | \$24 | \$24 |
| Health Services | \$12 | \$12 |
| Athletics | \$75 | \$37.50 |
| Computer | \$48 | \$48 |
| Internet | \$100 | \$90 |
| Online Learning | \$40 | \$20 |
| TOTAL | \$403 | \$315.50 |

Graduate students taking five credits or less will be charged 50% of the student fee for the regular fanuchānan and fañomnākan semesters.



Graduate 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.

Graduate students enrolled only in thesis credits would be assessed a flat fee of \$148 per term to maintain full access to library and computer services on campus.

MISCELLANEOUS FEES

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

| Fee | Cost |
|--|---|
| Application Fee (non-refundable; must accompany all applications) | \$52 |
| International Students (non-refundable) | \$77 |
| Late Fee (applications submitted after the posted deadline for the semester) | \$25 |
| Cancellation Fees | (see Refund Regulations in this Bulletin) |
| Change of Schedule Fee | (see Drop/Add Fee) |
| Check Service for each check that fails to clear | \$25 |
| Graduation Fee | \$100 |
| Graduation Reapplication Fee | \$50 |
| Laboratory Fees (on a per course basis) | See schedule |
| Library Fines/Lost or Damage Fee | Charges vary |
| Thesis Binding Fee | \$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 will have to pay 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 the Guam Department of Revenue & Taxation.

TRANSCRIPT FEE

The University will only release transcripts to students who have met all their financial obligations. The first copy is provided free. Additional copies may be obtained at \$15 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. Example: If a student needs three transcripts and requests one-hour service, the total charges will be \$65 (\$45 for three transcripts plus \$20 service charge.)

Members of the U.S. Armed Forces should consult their Education Office regarding support for tuition and fees.

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.

CANCELLATION FEES

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

Fanuchānan/Fañomnākan 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 | During 1st Week 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.

RESIDENCY RULES

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.

FACTORS IN DETERMINING RESIDENCY STATUS

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

Students who are waiting for financial aid or have not yet paid for their tuition and fees are still financially obligated by the above regulations.

Students who do not officially drop or withdraw from class(es) within the time periods above and still owe tuition and fees, are liable for payment and will be billed accordingly. Therefore, it is crucial to officially drop or withdraw from class(es) in a timely manner.

If there are multiple class start days for the Finakpo' term, the refund policy for the above schedule will begin on the first day of the first class of the Finakpo' term.

Registration and Course Fees are not refundable except for courses canceled by the University. Refund checks will be mailed four to six weeks after a student drops a class or withdraws from the University.

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 STATUS

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 veteran eligible under the Post-9/11 Veterans Educational Assistance Act**

Students who are eligible for and utilize their benefits under the Post-9/11 Veterans Educational Assistance

Act of 2010, including any family members to which the benefit can be legally transferred, are considered resident students for purposes of calculating tuition payment.

- **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.

NON-RESIDENT STATUS

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.

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 (fanuchānan or fañomnākan) 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

All veterans enrolling at the University of Guam for the first time must report to the Financial Aid Office located at the Calvo Field House. Bring the following supporting documents: DD214, NOBE, Kicker, marriage certificates, and birth certificates for each dependent child (whichever is applicable). Veterans with no prior training under the GI Bill or former VA students who have taken an educational break for more than 45 days are urged to see the VA coordinator at least two months before enrolling.

Veterans and Montgomery G.I. 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 ensures transferability of selected credits among member institutions.

Mandatory Training or Military Activation During Wartime

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.

Course Protection Guarantee/Veterans Benefits & Transition Act of 2018 (Board of Regents Resolution No. 19-33)

Effective Fanuchanan 2019, the University of Guam will allow veterans under Chapter 33 and Chapter 31 and dependents under Chapter 33TOE, 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 Vocational Rehabilitation students. The certification forms are available at the Financial Aid Office in the University of Guam 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.

FINANCIAL AID

FINANCIAL ASSISTANCE

Location: Calvo Field House

Tel: (671) 735-2287/2288

Fax: (671) 734-2907

Email: finaid@triton.uog.edu

Website: <http://www.uog.edu/financial-aid>

Students who need financial assistance to pursue graduate programs are encouraged to take advantage of the various types of aid available at the Financial Aid Office. Aid can be categorized into three major categories:

U.S. Department of Education Programs (Federal Title IV Student Aid)

Special and regular students who do not possess a high school diploma or GED are not eligible for federal financial aid, unless the student meets the "Ability to Benefit" criteria.

- 1.College Work-Study: Part-time employment on campus for eligible graduate students
- 2.Stafford Student Loan: Low-interest loans made to eligible undergraduate/graduate students by lending institutions. Repayment may be deferred until student graduates.
- 3.William D. Ford Direct Student Loan by the U.S. Department of Education
- 4.Leveraging Educational Assistance Program Policy (LEAP): Grant aid for eligible undergraduate/graduate students based on unmet financial need.

NOTE: To maintain eligibility for the federal student aid programs, a student must be in good academic standing and be making satisfactory progress toward his/her degree. Please contact the Financial Aid Office for the specific program requirements. Applications for these programs are available upon request from the Financial Aid Office, or students can apply online at web www.fafsa.ed.gov. Application forms are generally available during February for the following academic year.

Government of Guam Student Financial Assistance Program

The Student Financial Assistance Program consists of the Government of Guam Professional Technical Award. The program is mandated by public law, implemented by the Board of Regents, and administered by the Financial Aid Office. The deadline for application is May 29 for the academic year. Applications are available at the Financial Aid Office. There is a residency requirement.

Individual Graduate Programs

Specific scholarships or assistantships may be available through the Financial Aid Office. Teaching or research assistantships may be available in some areas through the appropriate colleges, units, or divisions of the University

GRADUATION REQUIREMENTS FOR GRADUATE STUDENTS

GENERAL REQUIREMENTS

This Graduate Bulletin presents minimum degree requirements expected in all graduate programs. Some graduate programs have higher admissions and graduation requirements than are specified below. Students should consult specific program descriptions for guidance on these additional requirements.

1. A minimum of 30 semester credit hours is required for the completion of any master's degree; however, most programs require more.
2. Twenty-one credit hours must be completed in residence or under direct supervision of a University of Guam faculty member.
3. All work toward a master's degree must be completed within seven years of admission to a degree program. No course completed more than seven years before

the date of degree completion will be accepted toward the degree.

4. Up to 10 semester credit hours of 400/G courses may be accepted for a degree program when approved by the graduate program chair.
5. Upon completion of 12 graduate semester credit hours, a graduate student must maintain a cumulative GPA of 3.00 or better for all graduate coursework. The cumulative GPA will be calculated at the end of each Fanuchānan, Fañomnākan, and Finakpo' semester/session by the registrar.

At the recommendation of the program chair and approval of the dean, individual students found to have academic deficiencies may be expected to meet additional requirements as a condition to acceptance or continuance.

CAPSTONE ACTIVITIES

Many master's programs require a significant capstone activity to allow students to demonstrate the ability to conduct scholarly or professional work in their field of study. Depending on the specific field of study, students may be required to complete one or more of the capstone activities below. Students who complete their capstone projects will demonstrate mastery of content as well as professional written and oral communication skills. See the list of Graduate Institutional Learning Outcomes (IGLOs) for more information.

Comprehensive Exams

A comprehensive examination is designed to reveal the quality of the student's preparation for advanced work in the field and his or her ability to complete graduate work at the master's level. Programs note this requirement as a 697 course on the transcript. This course is graded "P" (pass) or "F" (fail). Some programs may also choose

to use the grade designation "HP" (pass with distinction). A student will not be able to graduate from the program until a passing score has been obtained. Records or copies of comprehensive exams will be maintained by individual colleges or schools. Examination deadlines are established by the respective academic deans. Student fees will not apply when the student registers only for a 697 course.

Internship

A professional internship must include "real-world" experience involving a specific project, product, or set of projects and products to be agreed upon by the student and his or her advisory committee (including the workplace supervisor). At the completion of the semester-length project, a written report is prepared, modeled after that which would be expected by a private firm or

government agency. Following review of the report, the student stands for an oral defense.

Portfolio Review

A portfolio review includes artifacts demonstrating competency and mastery of several dimensions of a program's learning outcomes. This portfolio will adhere to program- or industry-prescribed standards. The review will be conducted as an interview between a student and faculty selected by the program, to discuss the student accomplishments as well as strengths and weaknesses of the work submitted.

Practicum

A practicum is a recognized capstone activity that engages a community-based research andragogy. This discipline focused approach uses applied and engaged scholarship, under the guidance of program faculty. The aim of practicum is to synergize expected program competencies with real world application for the purpose of community impact and positive social change. Practicum projects may be individual or group endeavors. They should also offer evidence of subject research and be presented in the style applicable to the subject area.

Special Project

The Special Project should offer evidence of subject research and must be presented in the writing style

SPECIAL RULES FOR THESIS PROJECT

Before beginning the writing of the thesis, the student should consult with his/her advisor, obtain the approval of his/her committee, and familiarize him/herself with the "Thesis/Special Project Style Guide and Format Manual," which can be obtained from the Graduate Admissions Office, UOG website, any dean's office, or program chairs.

All students pursuing a thesis or special project are expected to submit a "Permission for Thesis Form," available from the Graduate Admissions Office, website, or their dean's office. At least one semester prior to completion of the degree, depending on the expectations of a specific program, a committee shall be formed consisting of a chairperson and at least two additional

applicable to the subject area. Joint authorship is not permitted. The original copy of the project must be submitted to the appropriate dean for approval before the end of the term or semester in which graduation is expected and must meet the deadline specified in the Calendar. This copy is final and should need no correction. When approved, the project will be deposited in the RFK Memorial Library.

Thesis

The Master's Thesis offers evidence of substantial research and an adequate treatment of a well-defined subject. No mere essay or compilation of facts will be accepted. The thesis must be written on a subject related to the major and approved by the student's Graduate Program. Joint authorship is not permitted. For thesis deadlines, please check with Graduate Admissions for the current semester listing. Students pursuing doctoral study are strongly encouraged to complete a thesis project.

Many of these capstone activities are required by the programs and the University for accreditation purposes in different disciplines and are used by graduate programs to provide evidence of demonstrated student learning, competencies, and dispositions for the profession or further study.

members, one of whom will be from outside the faculty of the area of the student's major.

The standard thesis credit requirement is a minimum of six credit hours. Depending on program requirements, these may be completed in one semester or more. Students are required to register for at least one thesis credit hour in each semester after all other degree coursework requirements have been completed and before submission of the thesis, as well as in the final *fanuchānan* or *fañomnākan* semester when graduating.

The Thesis Committee chair will submit a grade of "IP" when satisfactory progress has been made at the end of any semester in which the student is enrolled, until the

defense has been passed. If the student has not made satisfactory progress, the grade of "NP" (no progress) should be recorded. An "NP" grade may affect a student's academic status and financial aid standings.

The oral examination or thesis defense will be given at least one week before the last day of classes in the term in which the degree is to be conferred, with all the members of the candidate's committee present. All oral examinations will be open to the University community. The University community must be notified of the oral examination at least one week before the examination. The director of Graduate Studies will assign an external graduate faculty member to observe each defense to ensure both academic rigor as well as fair treatment of all students.

Students passing their defense must submit a "Completion of Thesis Form," available from the Graduate Admissions Office, website, or their dean's office. This form will be completed and signed by the members of the student's Thesis Committee, the program

APPLICATION FOR GRADUATE DEGREE

Students should submit the "Application for Graduate Degree Form" to the Graduate Admissions Office by the date specified in the Academic Calendar. Forms are available at the Graduate Admissions Office or the UOG website. Should the student fail to file a request for graduation, the necessary steps preparatory to official awarding of the degree will not be taken and the actual awarding of the degree will be delayed.

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.

At least three weeks before graduation, students should personally check with the Graduate Admissions Office to make sure that all forms and certifications required for graduation have been received and all grades of "I" have been cleared.

ACADEMIC RULES & REGULATIONS

chair, and the dean after all requirements for the capstone project have been met, including all IRB, IACUC, or other research approval protocols. A passed thesis will convert all previous 695 course grades to "P" (pass). Should the student's performance be judged unsatisfactory, he or she may be permitted to repeat the examination but only if this is recommended by the committee and approved by the academic dean. At least three months must elapse before re-examination.

A graduate student of the University of Guam owns the copyright of his or her thesis or special project. However, as a condition of being awarded the degree, the student grants the University the non-exclusive right to retain, copy, use, and distribute the thesis or special project, together with the right to co-require its publication for archival use. A graduate student may delay or restrict release of his or her thesis or special project or a portion thereof for up to two years in cases where part or all of the thesis or special project is being published elsewhere or the work is subject to patent disclosure requirements.

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.

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. If a student fails to complete any of the degree requirements, after having filed the application, he or she must then submit a new application and pay the graduation re-application fee.

ADVISEMENT AND REGISTRATION

In addition to the three classes of graduate students described above (graduate status, pre-candidacy, and candidacy), there are special auditors who receive no credit for courses attended, and students taking post-baccalaureate courses for professional development. All types of students must pay tuition and fees.

Degree students should, in all cases, consult with their advisor at least twice per term, especially before registration. The Graduate Admissions Office and the offices of the school/college deans are sources of consultation. These offices will maintain special hours during registration periods. The student should not accept advice contrary to clearly stated regulations. The student alone is responsible for meeting all requirements and for being familiar with academic regulations and degree requirements in this Bulletin and other supplements thereto.

UNDERGRADUATES IN GRADUATE COURSES

No undergraduate student may register for or receive credit for graduate courses except under the following circumstances. Before registering for a graduate course, the student must:

1. Procure the "Request by a Senior to Take a Graduate Course Form" from the Records Office;
2. Complete the above form and present it to the Registrar's Office, which will certify that the student is a senior with a cumulative GPA of 3.00 or better and is in the semester prior to graduation. If the credits are counted toward a baccalaureate degree, they may not also subsequently be counted toward a graduate degree;
3. Then obtain the signature of his/her advisor or major department head and school/college dean.
4. Present the "Request Form" to the Graduate Admissions Office.
5. Grading will be on the same basis as that of the graduate students.

GRADUATE STUDENTS RETURNING TO UNDERGRADUATE STATUS

A graduate student may withdraw from Graduate Studies at any time upon the presentation of written notification of his/her decision to the Graduate Admissions Office. If the student then decides to apply for undergraduate status, he/she will be subject to all undergraduate procedures.

Undergraduate courses taken while a graduate student may or may not count toward an undergraduate degree with the rules for second baccalaureate found in the Undergraduate Catalog. Graduate courses taken while an undergraduate student may or may not apply to an undergraduate degree depending on the choice of the student. If the student elects in writing to have graduate courses apply as upper-division credits to an undergraduate degree, graduate credits will be lost. Otherwise, they will be retained on the transcript as graduate credits.

Whether or not these credits will be applicable toward a specific degree program will be determined by the appropriate program faculty.

PROGRAM REQUIREMENTS (BULLETIN IN FORCE) FOR GRADUATION

Students will be allowed seven 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 bulletin in force at the time of entrance. The student must meet all the requirements of the catalog in force, and the seven-year timeline will be dated from the time when either of the following two situations occurs:

1. A student returns after not attending the University of Guam for two consecutive regular semesters. (Finakpo' sessions are not regular semesters.)
 - A student who returns after not attending the University for two consecutive semesters or more MUST follow the new bulletin in force for the term of re-entry.
2. A student changes majors by filing a new "Graduate Program Entry Form."

COURSE LOAD

Graduate students who are enrolled in at least nine credit hours of coursework or one credit hour of thesis credit shall be considered full-time graduate students. Students enrolled in thesis must make satisfactory progress in their research to maintain full-time status, signified by a grade of "In Progress (IP)" as opposed to "No Progress (NP)."

MAXIMUM COURSE LOAD

The recommended maximum course load for a graduate student who is employed for more than 20 hours per week will be nine credit hours during a regular semester and six credit hours during the finakpo' (June–Aug.) session. The maximum course load per semester is no more than 15 credit hours.

GRADING SYSTEM

A grade is given as recognition of a certain degree of accomplishment in a course and is to be interpreted as follows:

| Letter Grade | Grade Point Value | Percent Grade | Definition |
|--------------|-------------------|---------------|---|
| A+ | 4.00 | 98-100% | Outstanding Honors-level performance with superior quality and extraordinary distinction. |
| A | 4.00 | 93-97% | |
| A- | 3.67 | 90-92% | |
| B+ | 3.33 | 87-89% | Good Solid accomplishment, indicating a substantial mastery of course materials and a good command of |

| Letter Grade | Grade Point Value | Percent Grade | Definition |
|--------------|-------------------|---------------|---|
| | | | skills required by the course. |
| B | 3.00 | 83-86% | |
| B- | 2.67 | 80-82% | |
| C+ | 2.33 | 77-79% | Adequate Students have achieved the level of competency needed for advancing to a subsequent course that has this course as prerequisite. |
| C | 2.00 | 70-76% | |
| D | 1.00 | 60-69% | Deficient Minimal passing, but not adequate to take a subsequent course that has this course as prerequisite. |
| F | 0.00 | <60% | Failure Inadequate to receive credits. |
| P | - | | Pass |
| I | - | | Incomplete |
| NC | - | | No Credit |

Students may re-register for courses in which they received a grade of C+ or below or for courses that are more than seven years old. In these instances, all grades will become part of the permanent record, but only the grade in the course in which the student has most recently

registered will be computed in the total cumulative Grade Point Average (GPA).

Special Projects (690) and Thesis (695 and 696) use different grades. The usual grades listed above normally awarded for the completion of a course are not used for these courses. Grades of "T" (terminated) and "P" (pass) are given for thesis and special project courses.

**An A+ grade is a qualitative grade difference from an A, but both grades carry the same quantitative points.*

POLICY AND PROCEDURES FOR "INCOMPLETE" AND "IN PROGRESS" GRADES

Students may not complete all of their work within the timeframe of the semester. At the discretion of the faculty member teaching the course, and upon approval of the dean, extensions may be granted using the Incomplete (I) grade. In special project (690), thesis (695), or internship (698) courses, the grades In Progress (IP) and No Progress (NP) will be used. These grades only apply to 690, 695, and 698 courses.

INCOMPLETE

In most courses, 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 in writing by the student and instructor and approved by the dean of the college/school. To receive credit for a course marked "I," the student must satisfactorily complete the unfinished work by the end of one calendar year (or sooner as agreed by student and instructor) from the last day of the semester in which the student received the "I." 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 the transcript. All grades of "I" must be resolved prior to graduation. For those courses carrying an "I" for which a "Change of Grade" form has not been submitted according to the policy for submission of grade for graduating students, or at the time of certification that degree requirements have been met, the "I" will change to an "F" and be used for the final calculation of the GPA. No request for time extension will be approved.

IN PROGRESS

In courses where the work is designed to go beyond a semester, such as a special project, thesis, or internship, the grade should indicate whether sufficient progress has been obtained. If the student has made good faith efforts to work on his or her special project, thesis, or internship, met with his or her professor, and achieved milestones identified at the beginning of the semester, the grade "In Progress" has been achieved. At the end of the term, the committee chair (for 690 or 695) or internship course instructor (for 698) will submit a grade of "IP" when satisfactory progress has been made at the end of any semester in which the student is enrolled until the special project, thesis, or internship has been completed. If the student has not made satisfactory progress, the grade of "NP" or No Progress should be recorded. An "NP" grade may affect a student's academic status and financial aid standings because it does not demonstrate adequate progress required by federal law. The conversion to "F" does not apply to IP grades. In these cases, the grade of "IP" (satisfactory progress) and/or "NP" (no progress) will remain on the permanent record until a grade of "P" or "T" is received or seven years has passed, whichever comes sooner. Internship course instructors may assign letter grades for internship (698) course completion instead of "P" or "T," based in part on the evaluation of the professional internship supervisor.

WITHDRAWAL POLICIES AND PROCEDURES

Since the University must operate as efficiently as possible, and since withdrawal from courses usually occurs after it is too late for other students to take the place of those who have withdrawn, the University has adopted policies and procedures that will discourage withdrawals and encourage more careful selection of those courses which the student has maximum assurance of completing.

- 1. Admissions Office-Initiated Drop:** The registrar may administratively drop a student from any class for which he or she does not have the prerequisite courses, or exemption from the prerequisites, whether the student enrolls in such a class during the regular registration period or the drop/add period.
- 2. 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 without written exemption from the prerequisites and are administratively dropped after the refund period are not eligible for a refund of tuition or fees.

3. **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' session without anything being recorded on their transcripts. See the "Cancellation Fee" section for applicable charges.

4. **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' 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. After the eighth week of instruction of a regular semester and after the third week of a finakpo' 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.

period, i.e., after one full calendar year, the student will be suspended from graduate studies and will not be allowed to enroll in courses granted graduate credits for one full calendar year.

2. Upon the recommendation of the graduate program chair, an individual suspended from graduate studies may petition to the respective dean for re-admittance. If the petition is approved, the student will be readmitted on a probationary status for one full calendar year and must raise his/her cumulative GPA to 3.00 or higher in all graduate courses within this period. Failure to attain a cumulative GPA of 3.00 or higher in courses granting graduate credits at the end of the probationary period will result in dismissal from graduate studies.
3. An individual whose petition for re-admittance to the graduate studies has been denied may petition again for re-admittance after waiting one full calendar year. A second denial of a petition by the respective dean will constitute permanent dismissal from Graduate Studies.
4. An individual who is suspended or dismissed from graduate studies may be allowed to enroll in undergraduate courses if he/she complies with undergraduate admission policies. Under no circumstance will the student be allowed to enroll in 400G, 500-, or 600-level courses.

PROGRAM DISCONTINUATION AND TEACH-OUT POLICY

(Board of Regents Resolution No. 15-15)

Academic programs may only be removed upon approval of the Board of Regents after an extensive consultation process as per policy 15-15. As part of the 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 changed 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.

ACADEMIC PROBATION, SUSPENSION, AND DISMISSAL

1. Any student taking graduate courses who fails to maintain a cumulative GPA of 3.00 or better at the end of a session, i.e., fanuchanân, fañomnâkan, or tinalo', will be placed on academic probation for the following one full calendar year. Unofficial withdrawals are counted in the GPA calculation. Extension of the probationary year will not be granted due to an Incomplete (grade of "I").

The graduate student will be removed from probationary status when his/her cumulative GPA in all graduate courses reaches the required minimum of 3.00 or higher when computed at the end of a session, i.e., fanuchanân, fañomnâkan or finakpo'. If the student does not attain the required cumulative GPA of 3.00 or higher at the end of the probationary



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

GRADUATE CERTIFICATE POLICY

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.

GRADUATE CERTIFICATE POLICY

In addition to 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 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 for that program. Student 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 timeframe. 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 degree program. In these instances, students must be admitted to the University of Guam as well as the certificate program. All applicable rules (seen earlier in this Bulletin) 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 a graduate certificate, students must have at least a "B" grade or better in specific courses required for the program. 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.

Bulletin in Force

Unlike a degree program, certificate programs are governed by the current bulletin 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.

GRADUATE PROGRAMS

GRADUATE

MASTER OF ACCOUNTANCY

- Master of Accountancy

MASTER OF ARTS

- Counseling
- English
 - Linguistics
 - Literature
- Micronesian Studies
- Teaching

MASTER OF EDUCATION

- Education
 - Specializations:
 - Administration and Supervision
 - Reading (online)
 - Innovations in Teaching & Learning
 - Special Education
 - Teaching English to Speakers of Other Languages (TESOL) (on campus or online)

MASTER OF PUBLIC ADMINISTRATION

- Master of Public Administration

MASTER OF SCIENCE

- Biology
- Clinical Psychology
- Environmental Science
- Sustainable Agriculture, Food and Natural Resources (SAFNR)

PROFESSIONAL MASTER OF BUSINESS ADMINISTRATION

- Professional Master of Business Administration (PMBA) (on campus and online)

CERTIFICATES

- Micronesian Studies
- Sustainable Agriculture, Food and Natural Resources (SAFNR)
 - Agriculture and Natural Resources
 - Food and Technology
 - International Agriculture
 - Island Sustainability
 - Tropical Horticulture
- Teaching

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

MASTER OF ARTS IN ENGLISH

OVERVIEW

OBJECTIVES

The overall objective of the Master of Arts in English is to provide students with graduate-level skills in analytical and critical thinking, research methodologies, and advanced writing, both scholarly and creative. Students achieve depth of preparation in their areas of literary or linguistics specialization as well as grounding in current critical theory and practice.

PROGRAM LEARNING OUTCOMES

Students in the Master of Arts in English program will successfully demonstrate the ability to:

1. Produce scholarship and interpretation of linguistic and or literary texts written in English;
2. Exhibit professional competence in research methods and critical theories;
3. Investigate diverse literary, linguistic or media genres, cultural expressions and rhetorical forms;
4. Construct, evaluate, and explain creative and/or scholarly literary works;
5. Achieve public recognition of expertise in publishing, teaching, or conferencing.

ADMISSION REQUIREMENTS

To be admitted as a graduate student in the Master of Arts in English program, a student must have completed a B.A. in English, or its equivalent, with a 3.0 GPA in major coursework. The applicant must submit the standard application materials as indicated in this Graduate Bulletin.

Applicants who have earned undergraduate degrees in fields other than English, or who have been working professionally outside the university setting, are welcome to apply. After a review of their academic preparation

by the graduate English faculty, applicants will be required to complete any English or Linguistics courses, either before or during the M.A. program, that the M.A. Program Committee deems necessary for the applicant to successfully pursue graduate study in English.

Applicants must meet the criteria for enrollment as graduate students that are set out in this Graduate Bulletin. Students should also consult the Bulletin for requirements and procedures for application. In order to remain in good standing in the M.A. in English program, a student must attain and maintain a GPA of 3.00 for all graduate courses and any undergraduate courses taken as prerequisites.

The M.A. in English program offers two tracks of study: the Literature Track and the Linguistics Track. Both options require a minimum of 30 credits of 500- and 600- level course work.

TRACKS

TRADITIONAL THESIS FOR BOTH LITERATURE & LINGUISTICS TRACKS

The traditional thesis degree path requires at least 24 hours of coursework, 6 credits of thesis (EN695), and an oral defense of the thesis project. The traditional M.A. thesis represents the culminating effort of the degree program and should be at least 45 to 60 pages in length. A thesis project may evolve from course work, a seminar paper, or the professional and scholarly interests of a student. The thesis would be in literary, rhetorical, composition, or linguistic studies, and the student's thesis committee must approve the topic.

CREATIVE THESIS FOR LITERATURE TRACK

The creative thesis degree path requires at least 24 hours of coursework, 6 credits of thesis (EN695), and an oral defense of the thesis project. The creative thesis project represents the culminating effort of the degree program and should be at least 45 to 60 pages in length. This thesis can be a novella, book of poems, creative essays, non-fictional narrative, or dramatic/cinematic screenplay. The literary quality and scope of each project will be carefully evaluated through consultation with the student's graduate advisor and committee. The student's thesis committee must approve the topic.

NON-THESIS OPTIONS

The Master's of English program offers two, non-thesis options for degree completion. Both non-thesis options require 30 credits of coursework, to include 18 credits of 600-level EN or LN courses, plus the successful completion of one of the two non-thesis options below.

NON-THESIS OPTION ONE: CAPSTONE PORTFOLIO

Working closely with one English faculty member and the chair of the M.A. English degree program, a student will select three research papers to significantly revise for the capstone portfolio. The portfolio will include an

introductory essay offering a synthesis and assessment of the student's achievements in the selected pieces and their application to the student's current or future scholarship and career goals. Students will defend their final portfolio in an oral presentation open to Program faculty, the university, and island community.

NON-THESIS OPTION TWO: PUBLISHABLE MANUSCRIPT/ ARTICLE

Students choosing this option will write a publishable scholarly manuscript of 25-35 pages, then submit it to a specific peer-reviewed publications identified during the research process. The student's committee, after suggesting revisions to this manuscript, will prepare a short written exam based upon this article that, once completed, will lead to a public presentation of the candidate's research, findings, and conclusions.

PLAN OF STUDY, CANDIDACY AND THE THESIS COMMITTEE

During the first semester of enrollment, students, in consultation with a chosen advisor and the M.A. in English program chair, will decide on an appropriate plan of study. After the completion of 9-12 credits or 3-4 courses, they will qualify to enter their candidacy stage, which involves moving from coursework into the thesis process.

THE THESIS PROCESS

Students on both the Literature and Linguistics Tracks complete their work with a thesis. In addition to the traditional thesis, students on the Literature track may opt for a creative thesis. Students who follow the traditional option are those who desire to increase their mastery of a given content area and might be contemplating doctoral work in the future. Students who select the creative option might be preparing to teach creative writing in the schools, to work as editors and publishers, or will be writing for personal accomplishment.

ALLOCATING THESIS CREDITS AMONG SEMESTERS

The thesis process counts for 6 credits. Candidates, in consultation with their advisors, choose how to distribute these credits. The division recommends counting 2-3



credits/semester based on how long the thesis-writing period is projected to be.

Part 1 – Committee Selection. Part 1 of the thesis process commences with:

1. the selection of a committee chair, whose specialty coincides with the student's research interest;
2. the establishment of a thesis committee;
3. and the completion of the Candidacy Application Form obtainable from the MA Program chair. To establish a thesis committee, the student should choose a graduate faculty member from the M.A. in English program to chair the committee. In consultation with that chair, she or he will form a committee of three to five PhDs. At least one of the members of the committee shall be from the University of Guam's English and Applied Linguistics Division.

Part 2 – The Research Project. Part 2 involves:

1. the approval of a thesis proposal; and
2. the completion of a thesis research project.

Part 3 – The Defense. Part 3 marks the conclusion of the process with the successful oral defense of the thesis. The student together with her or his chair will decide on the format of the defense. One format, for instance, involves the student discussing her or his project in a well-organized twenty-minute presentation (about 8-9 double-spaced pages) followed by questions from the committee. It is important that students practice their presentation beforehand to ensure effective time management of their defense.

WRITING SUPPORT

Each semester, students are encouraged to sign up for the informal writing sessions that meet each week for three hours. Faculty facilitate some of these; others are student-driven.

FLEXIBLE CLASS SCHEDULE

The M.A. program in English caters to the needs of non-traditional students who may be working full or part-time. Classes will typically be scheduled later in the afternoon, evenings, and weekends. Finakpo' courses may be offered.

FULL OR PART-TIME; DEGREE AND NON-DEGREE STUDENTS

Students may select full-time or part-time enrollment, according to their needs, financial situation, and work schedule. See the Graduate Office "Instructions to Applicant" for admission details.

GRADUATE WRITING SEMINAR

Master's students will have the opportunity to develop their personal writing projects in the Graduate Writing Seminar (EN 620). The workshop structure will enable students from different walks of life to exchange valuable feedback. The topics to be studied include style and voice, narrative technique, characterization, organization of material, and audience analysis, and are suitable for writers looking toward future publication.

GRADUATE TEACHING INSTRUCTORS

The Master of Arts in English Graduate Teaching Instructor Program offers qualified graduate students the opportunity for hands-on training in teaching composition courses for our division. Before applying for a Graduate Teaching Instructor position, interested students must complete 9-12 graduate course hours in DEAL and achieve the status of degree candidate. Applicants must also successfully complete "EN-611: Seminar in Rhetoric and Composition" before applying to teach DEAL composition courses. They must also have completed or be concurrently enrolled in EN650: Teaching College Composition with Practicum. This 6-credit-hour course sequence may be counted towards the 9-12-credit-hour requirement for candidacy. Graduate Teaching Instructor positions offer English graduate students valuable university teacher training and experience that will benefit them in their future career goals.

DEGREE REQUIREMENTS

COURSE REQUIREMENTS

- All M.A. students in English must complete 30 credit hours, including a 6-hour traditional or creative thesis, to receive the degree.
- All students are required to complete EN/LN 501, 680, and six credits of EN/LN-695: Thesis. Students may enroll in their thesis hours concurrently with their final course(s); or enroll in all six credit hours of

EN/LN-695 during one semester after receiving the approval of their thesis committee.

- Students preparing to teach must complete EN-611. Students wishing to teach as DEAL GSIs must complete EN-611 and have taken or be concurrently enrolled in EN-650 during the first semester of their GSI experience.
- In addition to the required courses, student must also complete 18 credits of electives, of which 6 credits must be taken at the 600-level.

LINGUISTICS TRACK (30 CREDIT HOURS)

Required Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|-----------------------------|
| EN501 | GRADUATE RESEARCH & DOCUMENTATION | 3 | FALL ONLY/ AS REQUIRED |
| EN680 | CONTEMPORARY CRITICAL THEORY | 3 | SPRING ONLY/ AS REQUIRED |

Elective Requirements (18 credit hours)

18 credit hours from the following, 6 of which credits must be taken at the 600-level

These courses may be taken more than once for credit provided that the topics are substantially different.

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-----------------------------|
| LN440G | TOPICS IN LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
| LN440B | TOPICS IN LINGUISTICS: PRAGMATICS | 3 | FALL/SPRING/ ALL YEARS |
| LN500 | APPLIED LINGUISTICS | 3 | FALL/SPRING/ ALL YEARS |
| LN502 | HISTORY OF THE ENGLISH LANGUAGE | 3 | SPRING ONLY/ EVEN YEARS |
| LN560 | INTRODUCTION TO SOCIOLINGUISTICS | 3 | FALL ONLY/ ODD YEARS |
| LN680 | CONTEMPORARY CRITICAL THEORY | 3 | SPRING ONLY/ AS REQUIRED |
| EN611 | SEMINAR: RHETORIC AND COMPOSITION | 3 | FALL ONLY/ AS REQUIRED |
| EN620 | GRADUATE WRITING SEMINAR | 3 | AS REQUIRED |
| EN640 | SEMINAR: AMERICAN LITERATURE | 3 | SPRING ONLY/ AS REQUIRED |
| EN650 | TEACHING COLLEGE COMPOSITION WITH PRACTICUM | 3 | AS REQUIRED |
| LN662 | SECOND LANGUAGE TESTING AND EVALUATION | 3 | FALL ONLY/ ALL YEARS |
| LN663 | SEMINAR IN PSYCHOLINGUISTICS | 3 | SPRING ONLY/ EVEN YEARS |
| LN691 | GRADUATE SEMINAR | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---------------------|---------|---------------------------|
| EN699 | INDEPENDENT READING | 3 | FALL/SPRING/ ALL YEARS |

Thesis Course (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| LN695 | THESIS | 1 - 6 | FALL/SPRING/ ALL YEARS |

LITERATURE TRACK (30 CREDIT HOURS)

Required Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|-----------------------------|
| EN501 | GRADUATE RESEARCH & DOCUMENTATION | 3 | FALL ONLY/ AS REQUIRED |
| EN680 | CONTEMPORARY CRITICAL THEORY | 3 | SPRING ONLY/ AS REQUIRED |

Elective Requirements (18 credit hours)

18 credit hours from the following, 6 of which credits must be taken at the 600-level

These courses may be taken more than once for credit provided that the topics are substantially different.

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-----------------------------|
| EN550 | ENVIRONMENTAL LITERATURE | 3 | SPRING ONLY/ AS REQUIRED |
| EN560 | LITERATURES IN ENGLISH | 3 | FALL ONLY/ AS REQUIRED |
| EN561 | PACIFIC WOMEN WRITERS | 3 | SPRING ONLY/ ODD YEARS |
| EN570 | LITERATURES IN TRANSLATION | 3 | FALL ONLY/ EVEN YEARS |
| EN573 | MODERN JAPANESE NOVEL IN TRANSLATION | 3 | FALL ONLY/ ODD YEARS |
| EN580 | LITERARY THEORY | 3 | SPRING ONLY/ ODD YEARS |
| EN611 | SEMINAR: RHETORIC AND COMPOSITION | 3 | FALL ONLY/ AS REQUIRED |
| EN620 | GRADUATE WRITING SEMINAR | 3 | AS REQUIRED |
| EN630 | SEMINAR: BRITISH LITERATURE | 3 | FALL ONLY/ AS REQUIRED |
| EN640 | SEMINAR: AMERICAN LITERATURE | 3 | SPRING ONLY/ AS REQUIRED |
| EN650 | TEACHING COLLEGE COMPOSITION WITH PRACTICUM | 3 | AS REQUIRED |
| EN660 | SEMINAR: LITERATURES IN ENGLISH | 3 | AS REQUIRED |
| EN670 | WORLD LITERATURES | 3 | SPRING ONLY/ EVEN YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-----------------------------|
| | IN TRANSLATION | | |
| EN675 | SEMINAR IN POSTCOLONIAL LITERATURE | 3 | AS REQUIRED |
| EN680 | CONTEMPORARY CRITICAL THEORY | 3 | SPRING ONLY/ AS REQUIRED |
| EN691 | GRADUATE SEMINAR | 3 | FALL/SPRING/ ALL YEARS |
| EN699 | INDEPENDENT READING | 3 | FALL/SPRING/ ALL YEARS |

Thesis Course (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| EN695 | THESIS | 1 - 6 | FALL/SPRING/ ALL YEARS |

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MASTER OF ARTS IN MICRONESIAN STUDIES

OVERVIEW

OBJECTIVES

The Master of Arts degree in Micronesian Studies provides students with an understanding of the Micronesian region-past and present-and prepares them in research methods that will stimulate new research and analysis of the region.

The Master of Arts degree in Micronesian Studies is an interdisciplinary program which involves cooperative effort on the part of the faculty of the Division of Humanistic Studies and the Division of Social and Behavioral Sciences of the College of Liberal Arts and Social Sciences; faculty of the Richard F. Taitano Micronesian Area Research Center, Learning Resources, and the Micronesian Language Institute of the Sponsored Programs and Research; and faculty of the School of Education. It is administered by the College of Liberal Arts and Social Sciences.

LEARNING OUTCOMES

Every graduate course in the Micronesian Studies Program has learning goals and objectives toward which individual courses and the program in general strives to enable students to achieve. MSP Program Learning Outcomes are as follows:

1. Mastery of understanding of and the ability of students to identify, discuss, analyze, and write about a wide range of topics dealing with the history, culture, people, identity, economic activity, geography, politics, art, religion, social organization, and gender roles of Micronesia and the interdisciplinary interpretation of them.
2. Mastery of the understanding of and the ability of students to identify, discuss, analyze, and write about the diverse historical encounters of missionization, colonialism, militarism, economic development, and

disputes over political and cultural sovereignty and identity that have faced Micronesia.

3. Mastery of understanding of and the ability of students to identify, discuss, analyze, and write about the major theories, issues, and research in the study of social issues and social problems of Micronesia.
4. Mastery of the understanding of the role of theory in Micronesian Studies, such that the student will be able to define theory and describe its role in generating knowledge, and be able to compare and contrast basic theoretical perspectives, and to synthesize and/or design a set of theoretical problems.
5. Mastery of the understanding of and the ability of students to utilize the role of empirical evidence and the application of qualitative and quantitative research methodologies in collecting data, the ability to formulate and design research methodologies, conduct independent research, collect and analyze data, interpret evidence and arguments, and analyze, synthesize, and present data in a scholarly manner.

ADMISSION REQUIREMENTS

Degree students must meet the minimum admission requirements expected of all students, as outlined in the Academic Regulations. Degree students must also have a basic knowledge of Micronesia gained either by undergraduate coursework or through relevant experience.

Degree students must also have a basic knowledge of Micronesia gained either by undergraduate coursework or through relevant experience.

Degree students must submit a personal statement in English of up to 1,000 words addressing the following:

1. An autobiographical sketch outlining the applicant's personal, professional, and academic experiences that have prepared her/him to pursue training in Micronesian Studies.
2. A discussion of why the applicant is applying specifically to UOG's Master of Arts in Micronesian Studies, highlighting aspects of the program which most attract her/him.
3. A description of the research interest the applicant would like to explore and the academic and/or professional experiences that have most prepared her/him to study that topic.



DEGREE REQUIREMENTS

MASTER'S DEGREE REQUIREMENTS

The M.A. in Micronesian Studies Program is divided into six parts:

| Description | Credit Hours |
|--|--------------|
| Required Pro-seminar courses | 9 |
| One course in research methodology appropriate to the student's area of research | 3 |
| Elective courses | 15 |
| Comprehensive written and oral examinations | |
| Micronesian or appropriate language proficiency examination | |
| Thesis | 6 |
| Total Credit Hours | 33 |

COURSE REQUIREMENTS (33 CREDIT HOURS MINIMUM)

Required Pro-seminar Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MI501 | PEOPLES AND CULTURES OF MICRO | 3 | FALL ONLY/ ALL YEARS |
| MI502 | HISTORY OF MICRONESIA | 3 | SPRING ONLY/ ALL YEARS |
| MI503 | CONTEMPORARY ISSUES AND PROBLEMS | 3 | SPRING ONLY/ ALL YEARS |

Required Research Methodology Course (3 credit hours)

One course appropriate to student's area of research

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| PY413G | RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| MI513 | RESEARCH METHODOLOGY IN SOCIAL SCIENCES | 3 | SPRING ONLY/ ALL YEARS |

Electives (15 credit hours)

At least 15 hours selected with the approval of advisor

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| SO405G | COMMUNITY DEVELOPMENT | 3 | SPRING ONLY/ ODD YEARS |
| PY413G | RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| PY455G | PSYCHOLOGY OF WOMEN | 3 | SPRING ONLY/ EVEN YEARS |
| PY502 | MICRONESIA AND MENTAL HEALTH | 3 | SPRING ONLY/ ODD YEARS |
| BA710 | ADVANCE TOPICS IN INTERNATIONAL BUSINESS | 3 | SUMMER/ ALL YEARS |
| HI444G | MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT | 3 | SPRING ONLY/ EVEN YEARS |
| HI450G | TOPICS IN PACIFIC HISTORY | 3 | SPRING ONLY/ ALL YEARS |
| MI506 | PHYSICAL GEOGRAPHY OF MICRONESIA | 3 | FALL ONLY/ EVEN YEARS |
| MI508 | MICRONESIAN PHILOSOPHY | 3 | AS REQUIRED |
| MI510 | GOVERNANCE OF ISLAND POLITIES | 3 | SPRING ONLY/ ODD YEARS |
| MI512 | GUAM/ CHAMORRO STUDIES | 3 | FALL ONLY/ EVEN YEARS |
| MI514 | HEALTH AND HUMAN ADAPTATION | 3 | SPRING ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| | IN MICRONESIA | | |
| MI517 | CULTURAL ECOLOGY | 3 | FALL ONLY/ ODD YEARS |
| MI518 | RELIGION, MAGIC, AND MYTH IN MICRONESIA | 3 | AS REQUIRED |
| MI520 | ECONOMIC DEVELOPMENT AND CHANGE IN MICRONESIA | 3 | FALL ONLY/ ODD YEARS |
| MI599A | READINGS IN MICRONESIAN STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| MI599B | READINGS IN MICRONESIAN STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| MI599C | READINGS IN MICRONESIAN STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| MI599D | READINGS IN MICRONESIAN STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| MI691A | SEMINAR IN MICRONESIAN STUDIES | 1 - 3 | FALL/SPRING/ ALL YEARS |
| MI691B | SEMINAR IN MICRONESIAN STUDIES | 1 - 3 | FALL/SPRING/ ALL YEARS |
| MI691C | SEMINAR IN MICRONESIAN STUDIES | 1 - 3 | FALL/SPRING/ ALL YEARS |
| MI691D | SEMINAR IN MICRONESIAN STUDIES | 1 - 3 | FALL/SPRING/ ALL YEARS |

NOTE:

- Either AN-405G or SO-405G may be taken, but not both.
- A student shall not take more than 9 credit hours of "G" courses.
- MI-599A~D & MI-691A~D: These courses may be taken more than once for credit provided that the topics are substantially different.

Thesis (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| MI695 | THESIS | 1 - 3 | FALL/SPRING/ ALL YEARS |

GRADUATE CERTIFICATE REQUIREMENTS

The Graduate Certificate in Micronesian Studies gives academic recognition to students who have successfully completed the three required courses in the Micronesian Studies MA Degree Program plus two additional courses selected by the student and have passed the comprehensive exam in Micronesian Studies. The Graduate Certificate in Micronesian Studies is designed as a 15-credit, one-year program, and may be taken concurrently with other graduate programs at the University of Guam. The objective of the Graduate Certificate in Micronesian Studies is to offer a concentrated program of Micronesian Studies courses within a limited time period, appropriate to academics and professionals who desire a graduate-level comprehensive overview of the cultures, histories, and contemporary issues of the Micronesian area.

COURSE REQUIREMENTS (15 CREDIT HOURS)

Required Pro-seminar Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| MI501 | PEOPLES AND CULTURES OF MICRO | 3 | FALL ONLY/ ALL YEARS |
| MI502 | HISTORY OF MICRONESIA | 3 | SPRING ONLY/ ALL YEARS |
| MI503 | CONTEMPORARY ISSUES AND PROBLEMS | 3 | SPRING ONLY/ ALL YEARS |

Electives (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| SO405G | COMMUNITY DEVELOPMENT | 3 | SPRING ONLY/ ODD YEARS |
| BA710 | ADVANCE TOPICS IN INTERNATIONAL BUSINESS | 3 | SUMMER/ ALL YEARS |
| HI444G | MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT | 3 | SPRING ONLY/ EVEN YEARS |
| MI506 | PHYSICAL GEOGRAPHY OF MICRONESIA | 3 | FALL ONLY/ EVEN YEARS |
| MI508 | MICRONESIAN PHILOSOPHY | 3 | AS REQUIRED |
| MI510 | GOVERNANCE OF ISLAND POLITIES | 3 | SPRING ONLY/ ODD YEARS |
| MI512 | GUAM/ CHAMORRO STUDIES | 3 | FALL ONLY/ EVEN YEARS |
| MI513 | RESEARCH METHODOLOGY IN SOCIAL SCIENCES | 3 | SPRING ONLY/ ALL YEARS |
| MI514 | HEALTH AND HUMAN ADAPTATION IN MICRONESIA | 3 | SPRING ONLY/ ODD YEARS |
| MI518 | RELIGION, MAGIC, AND MYTH IN MICRONESIA | 3 | AS REQUIRED |
| MI520 | ECONOMIC DEVELOPMENT | 3 | FALL ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| | AND CHANGE IN MICRONESIA | | |
| MI599A | READINGS IN MICRONESIAN STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| MI599B | READINGS IN MICRONESIAN STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| MI599C | READINGS IN MICRONESIAN STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| MI599D | READINGS IN MICRONESIAN STUDIES | 3 | FALL/SPRING/ ALL YEARS |
| MI691A | SEMINAR IN MICRONESIAN STUDIES | 1 - 3 | FALL/SPRING/ ALL YEARS |
| MI691B | SEMINAR IN MICRONESIAN STUDIES | 1 - 3 | FALL/SPRING/ ALL YEARS |
| MI691C | SEMINAR IN MICRONESIAN STUDIES | 1 - 3 | FALL/SPRING/ ALL YEARS |
| MI691D | SEMINAR IN MICRONESIAN STUDIES | 1 - 3 | FALL/SPRING/ ALL YEARS |
| PY413G | RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES | 3 | FALL ONLY/ ALL YEARS |
| PY455G | PSYCHOLOGY OF WOMEN | 3 | SPRING ONLY/ EVEN YEARS |

NOTE:



- Either AN-405G or SO-405G may be taken, but not both.
- MI-599A~D & MI-691A~D: These courses may be taken more than once for credit provided that the topics are substantially different.

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MASTER OF SCIENCE IN CLINICAL PSYCHOLOGY

OBJECTIVES

The Master of Science in Clinical Psychology is based on the scientist-practitioner model and is designed to provide students with comprehensive knowledge and skills to practice clinical psychology and conduct

mental health research in Guam and the Micronesia region. The program will emphasize the social, cultural and political contexts of research, theory, and practice in clinical psychology and encourage students to develop professional skills that are responsive to the unique multicultural communities in this region. Specific objectives of the program are as follows:

- To prepare master's level clinical psychologists to provide professional services, including clinical assessment and therapeutic interventions in the multicultural communities of Guam and the Micronesia region.
- To prepare master's level clinical psychologists to conduct research examining mental health issues relevant to Guam and the Micronesia region.
- To prepare master's level clinical psychologists for licensure as mental health professionals in Guam and the Micronesia region.
- To provide master's level training that establishes the foundation for advanced study in clinical psychology at the doctoral level.

PROGRAM LEARNING OUTCOMES

Upon successful completion of the MSCP Program, students will demonstrate the following:

1. Competence in the application of a variety of clinical theories in the conceptualization of a wide range of mental health problems in adults, children, and families in the multicultural communities of Guam, Micronesia, and the Asia Pacific region.
2. Competence in conducting a variety of therapeutic interventions in the treatment of a wide range of mental health problems in adults, children, and families in the multicultural communities of Guam, Micronesia, and the Asia Pacific region.
3. Competence in conducting psychological assessments and diagnostic interviews with a wide range of mental health problems in adults, children, and families in the multicultural communities of Guam, Micronesia, and the Asia Pacific region.
4. Competence in conducting clinical research examining mental health issues in the multicultural communities of Guam, Micronesia, and the Asia Pacific region.

ADMISSION

Degree students must meet the minimum admission requirements expected of all students, as outlined in the Academic Requirements section of this Bulletin. In addition, students must meet the following admission requirements of the Program:

1. A completed bachelor's degree in psychology (or its equivalent) from an accredited institution of higher education with a minimum GPA of 3.0. Students with a GPA of less than 3.0 may petition to have the minimum GPA requirement waived if they demonstrate exemplary post-degree professional or research experience in the psychology field and meet one of the following criteria:

- GPA of 3.0 or higher in their major coursework.
- GPA of 3.0 or higher in their last two years of coursework.
- Completion of one year (two semesters) of post-degree full-time undergraduate or graduate coursework with a GPA of 3.0 or higher.

2. The following undergraduate courses (or their equivalent):

- MA-385 Applied Statistics
- PY-370 Introduction to Clinical Psychology
- PY-420 Abnormal Psychology
- PY-413 Research Methodology in the Behavioral Sciences
- PY-492a Psychology Practicum: Individual Counseling Skills
- PY-492b Psychology Practicum: Child, Family, and Group Counseling Skills

3. A personal statement of no more than 1000 words addressing the following:
 - a. An autobiographical sketch outlining the applicant's personal, professional, and academic experiences that have prepared him/her to pursue graduate training in clinical psychology.
 - b. A discussion of why the applicant is applying specifically to UOG's Master of Science in Clinical Psychology, highlighting aspects of the program that most attracts him/her.
 - c. A description of the research topic the applicant would like to explore in his/her master's thesis and the academic and/or professional experiences that have prepared him/her to study that topic.

4. Special consideration will be given to applicants with experience in psychological research (e.g., senior honors thesis, research assistantships, research publications, and/or conference presentations) and clinical psychology practice (e.g., undergraduate psychology practica, professional employment, volunteer work).

5. Because the program focuses on training individuals to provide psychological services in Guam and the Micronesian region, special consideration will be given to applicants with a basic knowledge of Guam and/or Micronesia gained through undergraduate or graduate coursework, research, or professional work experience. Special consideration will also be given to applicants who demonstrate interest in conducting research and clinical service in the region.

6. Top candidates will be invited for an interview with at least two of the program faculty.

7. Non-degree students will be admitted into program courses only by permission of the course instructor and the Clinical Psychology Master's Program Chair.

DEGREE REQUIREMENTS

1. Students must complete a total of 52 credit hours, including 46 credits of required courses and 6 credits of thesis.

2. Students must complete each required course with a grade of B or higher. Students who receive a grade of C or lower in a required course must petition to be permitted to repeat the course. Students must maintain a minimum GPA of 3.0 for all graduate coursework.

3. Students must pass comprehensive written and oral examinations after completion of all required coursework (with the exception of thesis and internship).

4. Students must maintain the ethical principles of psychologists as outlined by the American Psychological Association in the most recent version of the Ethical Principles of Psychologists and Code of Conduct.

COURSE REQUIREMENTS (52 CREDIT HOURS MINIMUM)

Core Courses (12 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| PY501 | ETHICAL, LEGAL, AND PROFESSIONAL ISSUES IN THE PRACTICE OF CLINICAL PSYCHOLOGY | 3 | FALL ONLY/ EVEN YEARS |
| PY502 | MICRONESIA AND MENTAL HEALTH | 3 | SPRING ONLY/ ODD YEARS |
| PY503 | PSYCHOPATHOLOGY AND PSYCHODIAGNOSIS | 3 | FALL ONLY/ ODD YEARS |
| PY504 | TOPICS IN CLINICAL PSYCHOLOGY | 3 | SPRING ONLY/ EVEN YEARS |

Research Methods Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PY511 | RESEARCH METHODS IN CLINICAL PSYCHOLOGY I: RESEARCH DESIGN | 3 | FALL ONLY/ EVEN YEARS |
| PY512 | RESEARCH METHODS IN CLINICAL PSYCHOLOGY II: STATISTICS | 3 | SPRING ONLY/ ODD YEARS |

Clinical Assessment Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| PY521 | CLINICAL ASSESSMENT I: ADULT | 3 | FALL ONLY/ ODD YEARS |
| PY522 | CLINICAL ASSESSMENT II: CHILD AND ADOLESCENT | 3 | SPRING ONLY/ EVEN YEARS |

Clinical Interventions Courses (12 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------------|
| PY641 | CLINICAL INTERVENTION I: COGNITIVE-BEHAVIORAL THERAPY | 3 | FALL ONLY/ EVEN YEARS |
| PY642 | CLINICAL INTERVENTION II: CHILD AND ADOLESCENT THERAPY | 3 | SPRING ONLY/ ODD YEARS |
| PY643 | CLINICAL INTERVENTION III: FAMILY SYSTEMS THERAPY | 3 | FALL ONLY/ ODD YEARS |
| PY644 | CLINICAL INTERVENTION IV: EXISTENTIAL-HUMANISTIC THERAPY | 3 | SPRING ONLY/ EVEN YEARS |

Graduate Practicum Courses (4 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------------|
| PY692A | GRADUATE PRACTICUM IN CLINICAL PSYCHOLOGY I | 1 | FALL ONLY/ EVEN YEARS |
| PY692B | GRADUATE PRACTICUM IN CLINICAL PSYCHOLOGY II | 1 | SPRING ONLY/ ODD YEARS |
| PY692C | GRADUATE PRACTICUM IN CLINICAL PSYCHOLOGY III | 1 | FALL ONLY/ ODD YEARS |
| PY692D | GRADUATE PRACTICUM IN CLINICAL PSYCHOLOGY IV | 1 | SPRING ONLY/ EVEN YEARS |

Internship Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|---------------------------|
| PY698A | INTERNSHIP IN CLINICAL PSYCHOLOGY I | 3 | FALL/SPRING/ ALL YEARS |
| PY698B | INTERNSHIP IN CLINICAL PSYCHOLOGY II | 3 | FALL/SPRING/ ALL YEARS |

Thesis Courses (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| PY695A | THESIS I | 1 - 3 | FALL/SPRING/ ALL YEARS |
| PY695B | THESIS II | 1 - 3 | FALL/SPRING/ ALL YEARS |

FACULTY

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Profile Not Found

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COLLEGE OF NATURAL AND APPLIED SCIENCES

MASTER OF SCIENCE IN BIOLOGY

OVERVIEW

OBJECTIVES

The College of Natural and Applied Sciences offers a Master of Science Degree in Biology. Courses for the Master of Science Degree are taught by faculty from the College and Applied Sciences, the Marine Laboratory and the Water and Environmental Research Institute. The program is designed to serve those students who are pursuing a research-oriented career at the master's level, those using the master's degree as a stepping stone to a doctorate, a career in natural resource management or environmental consulting, and biology teachers who have fulfilled requirements for teacher's certification but seek a broader knowledge of biology. In addition to obtaining the Master of Science in Biology, candidates have the opportunity to study in one of the most interesting regions in the Western Pacific. The Graduate Program in Biology has many facets comparable to mainland programs and provides outstanding opportunities in tropical marine science (see the section on the Marine Laboratory in this Bulletin).

PROGRAM LEARNING OUTCOMES

Upon successful completion of the program, students will demonstrate the following:

1. Demonstrate ability to analyze data and design experiments using standard statistical procedures.
2. Demonstrate ability to write technical scientific reports and articles.
3. Demonstrate knowledge of basic organismal and ecological principles.
4. Demonstrate knowledge of basic cellular and molecular-level principles.
5. Demonstrate knowledge of the latest advances in a variety of fields in biology.
6. Demonstrate ability to conceive, conduct and report original research.

7. Demonstrate the ability to disseminate scientific concepts and research findings in a variety of formats (e.g., written and oral).

ADMISSION

ADMISSION REQUIREMENTS

*CNAS Graduate Program applicants are strongly encouraged to submit a completed application by **July 1** for the Fanuchånan/Fall semester and by **December 1** for the Fañomnåkan/Spring semester. Reviews and decisions for applications received after this deadline, are at the program's discretion and not guaranteed.*

1. Completed all the pre-requisites for the program:
 - One term (semester or quarter) of Calculus,
 - Two terms of Physics or Geology,
 - Four terms of Chemistry and
 - Four terms of Biology, of which at least two are upper division.
2. Students may take these pre-requisites while at UOG; however, courses taken to make up any deficiencies shall not be applied to the total credits required for a graduate degree.
3. Submit three letters of reference from academics or professionals who are familiar with the student's qualifications. Letters should be submitted directly to the Graduate Admissions office.
4. Complete and submit a Program Entry Form (steps on how to do this are given on the Program website) which is then signed by the Graduate Biology Program Chair.

Interested students may contact [Sarah Lemer](#), Graduate Biology Chair for Admissions, for more information.

DEGREE REQUIREMENTS

Students enrolled in the Graduate Biology Program are required to complete all coursework and the degree requirements within seven years of admission to the Graduate School. Students requiring leave of absence



must write to the Program Chair and provide evidence (e.g. medical certificate) to support their claim. If approved, the time in absence does not count towards the seven-year rule (a definition of this rule is in the General Admission Requirements section).

COURSE REQUIREMENTS (30 CREDIT HOURS)

The degree program requires a total of 30 hours of graduate credit, at least 18 of which must be at the 500 or 600 level including six hours of Thesis Research (BI-695). A maximum of six credit hours may be accepted in related graduate-level courses. A thesis committee is established by completing and submitting a Permission for Thesis/Special Project Form which is then signed by the Graduate Biology Program Chair and Dean. The thesis committee is composed of a minimum of three (3) members; at least two (2) Biology Program Graduate Faculty members and one (1) outside member. The outside member is compulsory and can either be from the UOG Faculty (Graduate or otherwise), or from off-campus. If the latter, then these individuals may serve as committee members after submitting a CV documenting their qualifications for approval by the Biology Program Chair. The advisor or Committee Chair must be a listed Biology Program Graduate Faculty member.

Graduate students must maintain a B average (3.0) and make no more than one grade of C (2.0) or lower to be admitted to the degree program. Once admitted, students must meet the same criteria in order to continue in the Program. A student whose cumulative grade-point average (GPA) is below 3.0 has one semester of probation to raise the average back to at least 3.0 before being dismissed from the program. Cumulative GPA is calculated each semester by the Office of Admissions & Records.

Required Courses (14 Credit Hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BI507 | ADVANCED STATISTICAL METHODS | 4 | FALL ONLY/ ALL YEARS |
| BI503 | BIOLOGICAL LITERATURE AND SCIENTIFIC WRITING | 2 | SPRING ONLY/ ALL YEARS |
| BI691 | SEMINAR | 1 | FALL/SPRING/ ALL YEARS |
| BI695 | THESIS | 1 - 6 | FALL/SPRING/ ALL YEARS |

Elective Courses (16 credit hours)

Complete at least 16 credit hours

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**MASTER OF SCIENCE IN ENVIRONMENTAL
SCIENCE****OVERVIEW****OBJECTIVES**

The Environmental Science Graduate Program prepares students for professional employment, teaching, or

advanced studies in environmental science and related disciplines. Courses are offered by faculty from the Water & Environmental Research Institute of the Western Pacific, the Marine Laboratory, College of Natural & Applied Sciences, Micronesia Area Research Center, and the College of Liberal Arts & Social Sciences.

Specific objectives of the program include directly addressing pressing environmental questions, especially those arising in the small developing island nations of the Pacific; promoting needed educational and service projects in Western Pacific island communities; equipping graduates with the knowledge and skills needed for sound scientific inquiry and professional practice; and ingraining a solid understanding and commitment to academic ethics.

PROGRAM LEARNING OUTCOMES

A. Knowledge-Based Outcomes. Students completing this program will understand the defining attributes of science, the roles and responsibilities of scientists in addressing environmental problems, and the essential elements of the defining subdisciplines of environmental science. Specifically, they will:

A-1. Understand the attributes and limitations of scientific thought, culture, method, and practice — along with acknowledged principles for ethical conduct — in the search for truth and in the effective and humane application of science to the resolution of local, regional, and global environmental problems. (EV-508)

A-2. Understand basic principles and components of earth science and engineering, biology and ecology, and economics and management that are requisite to the exploration and resolution of environmental problems. (EV-510, EV-511, EV-512)

B. Skills-Based Outcomes. Students completing this program will demonstrate the abilities to conceive, conduct, and report original research. Specifically, they will:

B-1. Demonstrate the abilities to frame research questions, make observations and collect data, and — as applicable to her or his discipline — design and conduct experiments, operate analytical instruments, or employ statistical, numerical, or geospatial tools to test either

new hypotheses or prevailing theories. (EV-507, EV-558, EV-695)

B-2. Demonstrate the ability to conceive, critically examine, and systematically develop integral approaches to multidisciplinary research questions and broadly based solutions to public issues and policy problems that span the environmental subdisciplines of earth science, biology, ecology, economics, management, and engineering. (EV-508, EV-510, EV-511, EV-512, EV-695)

B-3. Demonstrate the ability to write rigorous, critical, clear, informative, and concise technical reports and articles. (EV-508, BI- 503)

VALUES

The Environmental Science Program faculty is committed to the search for objective truth; impartial, honest, and thorough scientific debate; and excellence in all endeavors. We hold that scientists must have the integrity to not compromise research or other work in response to political, ideological, social, or financial pressures. Scientific integrity also includes a commitment to share data and cooperate with others in their attempts to advance scientific understanding and replicate or verify the quality of previous work. We seek to instill these values in our students through personal example as well as thoughtful academic instruction.

ADMISSION

ADMISSION REQUIREMENTS

GENERAL ADMISSION REQUIREMENTS

Applicants must first meet the Graduate Admission Standards for pre-candidacy as described in this Graduate Bulletin. Once admitted for pre-candidacy by the University Graduate Admissions office, they may then apply for admission to the Environmental Science Program. In addition to the materials submitted for admission to pre-candidacy, applicants must submit the following to the Environmental Science Graduate Program Recruiting and Admission Committee:

1. three letters of recommendation,
2. a comprehensive statement of academic achievements, interests, professional goals, and

specific reasons for pursuing a master's degree in environmental science.

Application packages are first evaluated by the Recruiting and Admission Committee, based on the submitted materials and the Background and Performance Requirements specified below. The Recruiting and Admission Committee recommends acceptance, provisional acceptance, or rejection of the application to the program chair. Upon approval by the chair, the applicant is admitted to the program.

*CNAS Graduate Program applicants are strongly encouraged to submit a completed application by **July 1** for the Fañuchånan/Fall semester and by **December 1** for the Fañomnåkan/Spring semester. Reviews and decisions for applications received after this deadline, are at the program's discretion and not guaranteed.*

BACKGROUND AND PERFORMANCE GUIDELINES

The Environmental Science Program is built around three component disciplines:

1. Biology-Ecology
2. Geoscience-Engineering
3. Economics-Management

Applicants are expected to have backgrounds related to at least one of these three disciplines. Related backgrounds are broadly defined. For example, disciplines related to Biology-Ecology include all the sub-disciplines of biology and other life sciences, such as physiology, biochemistry, or genetics; the health sciences; and agricultural, animal, and plant sciences. Disciplines related to Geosciences-Engineering include the physical and natural sciences, particularly physics, chemistry, biogeochemistry, and the earth sciences (geological, oceanic, atmospheric). Relevant disciplines also include engineering and applied sciences, particularly civil or mechanical engineering, applied mathematics, statistics, geographic information systems, remote sensing, and computer science. Economics-Management backgrounds include economics, business, natural resource management, law, public administration, political science, and human, economic, or political geography. Applicants with other backgrounds, especially with interdisciplinary training or experience, who have completed the prerequisites listed below or can provide

other evidence of their ability to successfully complete the core course requirement will be considered as well.

The recommended prerequisites listed below represent the ideal background preparation for each component discipline. It is acknowledged, however, that capable students from any given undergraduate major may not necessarily have completed the full suite of courses listed. Any of the listed prerequisites, with the exception of Calculus I, may therefore be waived by the program chair on the recommendation of the Recruiting & Admission Committee, based on its confidence that the applicant will nevertheless be able to successfully complete the core requirements (described in the "Degree Requirements" section below). Applicants who have taken the prerequisite courses listed below, however, should have earned no grade lower than a "C" in any of the courses listed for their discipline of interest, or alternatively, have earned a score of 4 or 5 in an Advanced Placement Exam for calculus, physics, biology, chemistry, economics). An applicant who does not meet these grade criteria may be admitted to the program on a provisional basis, if a faculty member agrees to serve as his or her advisor. Full admission may be granted by the program chair on the recommendation of the Recruiting & Admission Committee after such a student has completed 12 credit hours of Environmental Science courses approved in advance by the student's advisor, with grades of "B" or higher in each of them, and has demonstrated to the satisfaction of the Recruiting & Admission Committee and the program chair that the student has remedied any deficiencies identified when granted provisional acceptance.

REQUIRED AND RECOMMENDED PREREQUISITES

All Disciplines

- Methods: Statistics and geographic information systems (upper level, i.e., 300-400 level)
- Math: 2 semesters calculus (Calculus I is required; Calculus II is recommended for all and may be required in specific cases at the discretion of the thesis advisor/project supervisor based upon the nature of the research.)

Biology-Ecology

- Physics: 1 semester general physics with lab

- Chemistry: 2 semesters inorganic chemistry with lab and 2 semesters organic chemistry with lab
- Biology: 2 semesters of general biology with lab

Geosciences-Engineering

- Physics: 2 semesters general physics with lab
- Chemistry: 2 semesters general chemistry with lab
- Biology: 1 semester biological/life science with lab

Economics-Management

- Physics: 1 semester general physics with lab
- Chemistry: 1 semester general chemistry with lab
- Biology: 1 semester biological/life science with lab
- Economics & Business: 1 semester microeconomics and 1 semester intro to business or public administration

DEGREE REQUIREMENTS

COURSE REQUIREMENTS (33-36 CREDIT HOURS)

Core Courses (18 Credit Hours)

The University of Guam's graduate Environmental Science Program is a rigorous and challenging program, designed to produce graduates of the highest caliber equipped with essential knowledge and skills and committed to the highest standards of professional integrity in research and application of environmental science to matters of public interest. The core curriculum thus contains consists of six courses totaling 18 credit hours.

INNER CORE:

Fundamentals of Scientific Practice and Tools of Environmental Science

| 9 credit hours

The "inner core" is three courses totalling nine credit hours, centered on the essential skills of scientific thought and practice and advanced methods of applied environmental science. Students should take these courses in the first year of their program.

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| EV508 | SCIENTIFIC COMPETENCE AND INTEGRITY | 3 | FALL ONLY/ ALL YEARS |
| EV503 | BIOLOGICAL LITERATURE AND SCIENTIFIC WRITING | 2 | SPRING ONLY/ ALL YEARS |

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|---------------------------|
| EV507 | ADVANCED STATISTICAL METHODS | 4 | FALL ONLY/ ALL YEARS |
| EV558 | ADVANCED GEOSPATIAL METHODS | 4 | SPRING ONLY/ ALL YEARS |

Note: The course not chosen to meet the core requirement may, of course, be taken as an elective.

OUTER CORE: Component Disciplines

| 9 credit hours

Building on these central courses, is an "outer core" of three three-credit hour courses in each of the respective sub-disciplines of environmental science:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|------------------------|
| EV510 | ENVIRONMENTAL SCIENCE: BIOLOGY/ ECOLOGY | 3 | FALL ONLY |
| EV511 | ENVIRONMENTAL SCIENCE: GEOSCIENCES/ ENGINEERING | 3 | SPRING ONLY/ ALL YEARS |
| EV512 | ENVIRONMENTAL SCIENCE: ECONOMICS-MANAGEMENT-LAW | 3 | SPRING ONLY/ ALL YEARS |

This second suite of core courses thus equips each student with the essential knowledge and skills from each of the three sub-disciplines that define environmental science.

Elective Courses (9-18 credit hours)

Beyond the core, each student must complete at least three elective courses for a total of at least nine credit hours related to his or her selected area of concentration and agreed upon by his or her advisor. Elective courses should support the student's proposed capstone requirement within either the research or professional track, as described below. Students who desire to take additional electives (i.e., beyond the requirement) may do so with the consent of their advisor, but students need take no more than three elective courses to meet the degree requirement. Students may include no more than one 400G-level course among their electives, nor may they include 400G-level courses in statistics, geographic information systems, or any other subject that is a prerequisite for admission to the program.

RESEARCH TRACK: Research Thesis

| 9 credit hours

Electives may not include 400G-level courses in statistics or GIS, or other program prerequisites.

PROFESSIONAL TRACK:

Professional Thesis or Internship

| 9 credit hours

Electives may not include 400G-level courses in statistics or GIS, or other program prerequisites.

Coursework Option

| 18 credit hours

Students selecting the Coursework Option within the Professional Track must take an additional nine hours of electives, for a total of 18 elective credit hours, and submit and defend a research paper. Electives may not include 400G-level courses in statistics or GIS, or other program prerequisites.

Capstone Courses (6 credit hours)

RESEARCH TRACK: Research Thesis

| 6 credit hours

The purpose of the research track is to prepare students for advanced (doctoral level) studies in environmental science and related disciplines, or careers in scientific or professional work for which a research background is necessary or desirable. The capstone requirement for the research track is thus a traditional research thesis, for which the student earns six hours of academic credit. Research theses in Environmental Science are expected to make an original contribution to the selected sub-discipline and reflect mastery of the knowledge and skills required to successfully pursue advanced study and research in environmental science.

Students may choose one the following:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|------------------------|
| EV695 | ENVIRONMENTAL SCIENCE THESIS | 1 - 6 | FALL/SPRING/ ALL YEARS |

PROFESSIONAL TRACK: Professional Thesis

Six credit hours of the following are needed:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|---------------------------|
| EV695 | ENVIRONMENTAL SCIENCE THESIS | 1 - 6 | FALL/SPRING/ ALL YEARS |

Professional Internship

Six credit hours of the following are needed:

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------------|---------|--------------|
| EV698 | ENVIRONMENTAL SCIENCE THESIS | 1 - 6 | FALL/SPRING |

Coursework Option

No capstone credits are required for the coursework option.

PERFORMANCE REQUIREMENTS

Students must maintain at least a B (3.00) average, with no more than one grade of C or lower in all courses taken for credit. Students may retake any course for which they have received a grade of C or lower. However, any student who fails to improve his or her grade to at least a B after re-taking the course and whose record shows two unimproved C grades as a result, will be dismissed from the program.

Upon admission to the program, students must choose and be accepted by a faculty advisor with expertise in their selected sub-discipline. Subsequently, the student's individual program is developed by the student and his or her advisor; and monitored by the advisor and the student's advisory committee. Final program approval requires endorsement by the chair of the Environmental Science Program, with subsequent approval by the director of Graduate Studies.

In consultation with his or her advisor, each student must select which of the two tracks he or she will follow for the capstone experience: research or professional. For the research track, the capstone experience is a research thesis. For the professional track there are three options: a professional thesis, an internship, or additional coursework with a related research paper. Students may only apply for degree candidacy and register for capstone credits after their proposal has been presented to and approved by their advisory committee, as described below.

TRACKS

RESEARCH TRACK

The purpose of the research track is to prepare students for advanced (doctoral level) studies in environmental science and related disciplines, or careers in scientific or professional work for which a research background is necessary or desirable. The capstone requirement for the research track is thus a traditional research thesis, for which the student earns six hours of academic credit. General requirements for research theses are described on page 11 of the Graduate Bulletin. Research theses in Environmental Science are expected to make an original contribution to the selected sub-discipline and reflect mastery of the knowledge and skills required to successfully pursue advanced study and research in environmental science.

PROFESSIONAL TRACK

The purpose of the professional track is to produce competent and credentialed professionals prepared especially for employment in industry, education, or government. Students following the professional track may select one of the three options described below: professional thesis, internship, or additional coursework/research paper. The professional track options demand the same mastery of basic knowledge and skills required of the research-track students, including writing skills. These options, however, accommodate students planning professional careers in industry, education, or government rather than scientific research careers.

The professional thesis option requires submission of a professional thesis, which requires the same standards

as for a research thesis. The internship option requires a report, which must be worthy of a typical consultant's report from major (year-long) project or substantive agency publication (such as a comprehensive regulatory guideline), and requires the same level of effort as a research or professional thesis. The research paper for the coursework option must be derived from the current relevant professional literature and comprise no fewer than 20 pages, double-spaced, 12-point Times Roman font, inclusive of figures and references. The thesis or paper should be worthy, in accordance with the topic, of local and/or on-line publication as a technical report, user's manual, review paper, or educational pamphlet. Each option also requires a comprehensive oral defense presentation following submission of the thesis or paper. Following the defense, the student corrects or revises the thesis or paper, based on the committee's review of it. The grade (Pass or Fail) is based on the committee's evaluation of the final report or paper and the outcome of the oral examination. General requirements for capstone documents are contained in the Graduate Bulletin.

PROFESSIONAL TRACK OPTIONS

Professional Thesis Option

This option consists of a 6-hr professional thesis EV-695 agreed upon by the student and committee and approved by the Program Chair. An example might be the development of a major database, solution of a practical environmental engineering problem, of construction of an educational website containing animations, databases, and informative or instructional material on a selected local or regional environmental problem. The student prepares a proposal agreed upon by the student and committee and approved by the Program Chair. At the completion of the project, the student prepares and presents a written thesis, as specified above, and stands for a comprehensive oral examination (thesis defense) before his or her committee.

Example: The student was employed as a WERI Research Assistant. Her coursework focused on groundwater hydrology, and she designed, developed, and documented a comprehensive database of historical and current water wells drilled on northern Guam. The Northern Guam Lens Aquifer Database consists of a spreadsheet that contains basic information on 525 wells, including locations, depth, use, custodial agency, with each cell linked to digital appendices that contain all of

the historical records that could be located for the well, including drilling and pump test logs, and design and construction records. The database is published at WERI Technical Report 141 and is now a permanent on-line water resource management tool for water managers, educators, scientists, and engineers.

Internship Option

This option consists of a semester-length six-credit-hour internship (EV-698) with an environmental firm (profit or non-profit) or government agency, under collaborative supervision of an academic advisor and workplace supervisor. The internship must include work on a specific project, product, or set of projects and products. These are agreed upon in advance by the student and his or her advisory committee (which includes the workplace supervisor), and approved by the Program Chair. At the completion of the internship, the student prepares and presents a written report, as specified above, on the project or projects undertaken during the internship, with the purpose and content of the report agreed on in advance by the student and the committee. The model for the internship product is a report or document such as typically results from a major project at private firm or government agency. Following review of the report by the advisory committee, the student stands for a comprehensive oral defense.

Example: The student is employed with the environmental office of the local US Navy Facilities Engineering Command. As part of his work he is required to coordinate the production of an Environmental Impact Assessment in conjunction with the relocation of some wetlands on DOD property. In consultation with his academic and professional supervisors, he prepares a formal report, which meets the requirements of the command, and which he presents to his committee.

Coursework Option

This option requires nine hours of additional coursework equivalent to a second, and separate, major sub-discipline. The student may select the second concentration from among the three sub-disciplines (Biology-Ecology, Geosciences-Engineering, or Economics-Management) or a second concentration in a relevant inter-disciplinary field, such as Mathematics, Micronesian Studies, or Business Administration. Thus, in addition to selecting 9 hours for his or her first sub-

discipline concentration, the student selects courses comprising 9 additional hours in another appropriate field. Examples of appropriate courses include probability, statistics, and numerical analysis, from Mathematics; physical geography, health and human adaptation, or economic development in Micronesia, from Micronesian Studies; or management and economics courses from Business Administration. These courses may include no more than one special topic or reading and conference course. The committee must include members with expertise in the two concentrations selected and agree on the curriculum proposed by the student. The student also prepares a proposal for a research paper that must address a topic related to one or both of the two selected concentration areas of coursework and offer some judgment or present an argument, drawing on a comprehensive review of the current scientific literature. The topic must be agreed upon by the committee and approved by the Program Chair. The paper does not require original research but must draw from the appropriate works from the current professional literature, based on a comprehensive review of the literature. On completion of the coursework, the student prepares and submits the paper to the advisory committee and stands for a comprehensive oral defense. Again, the research paper for the coursework option must be derived from the current relevant professional literature and comprise no fewer than 20 pages, double-spaced, 12-point Times Roman font, inclusive of figures and references. The thesis or paper should be worthy, in accordance with the topic, of local and/or online publication as a technical report, user's manual, review paper, or educational pamphlet. Each option also requires a comprehensive oral defense presentation following submission of the thesis or paper. Following the defense, the student corrects or revises the thesis or paper, based on the committee's review of it. The grade (Pass or Fail) is based on the committee's evaluation of the final report or paper and the outcome of the oral examination. General requirements for capstone documents are contained in the Graduate Bulletin.

Example: The student is employed as an instructor at the College of Micronesia. For the research paper, the student conducts a comprehensive literature search on the historical incidence of El Nino-related droughts in Micronesia and prepares a summary paper describing its effects, and the human responses to them in Micronesia. He selects Geology/ Engineering as his first major sub-discipline concentration, comprised of Hydrology (EV-542), Hydrogeology (EV-543) and Tropical Climate and

Climate Variability (EV-535). For the second sub-discipline concentration field he selects Micronesian Studies, with Physical Geography of Micronesia (EV/MI-506), Health and Human Adaptation in Micronesia (EV-514), and Economic Development and Change in Micronesia (EV-520) in which he will search, read and study the literature pertaining to water resources on Micronesia and similar islands.

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MASTER OF SCIENCE IN SUSTAINABLE AGRICULTURE, FOOD, AND NATURAL RESOURCES

OVERVIEW

OBJECTIVES

Agriculture and Life Sciences Division within the College of Natural Applied Sciences will offer the Master of Science in Sustainable Agriculture, Food, and Natural Resources (SAFNR) Program with two tracks to create leaders and professionals for the next generation needed to address challenges which are closely tied to the global food systems, nutrition and human health, energy security, climate change, as well as agricultural enterprises, using sustainable approaches. The goal of the program therefore, will include educating students and developing and disseminating science-based information to promote sustainable agricultural production, healthy living, and natural resource management that is appropriate for the Western Pacific Region. Courses are offered by

faculty from the College of Natural and Applied Sciences, School of Nursing and Health sciences, College of Liberal Arts, and the sponsored programs. Specific objectives of the program include seeking answers to agricultural and natural resources as well as food, nutritional and health related questions, especially those arising in the developing island nations of the Pacific; promoting needed educational and service projects in Western Pacific island communities; and equipping graduates with the knowledge and skills needed for sound scientific inquiry and professional practice, and a solid understanding and commitment to professional ethics in the Pacific regions.

PROGRAM LEARNING OUTCOMES

Upon successful completion of the Program:

1. The students will demonstrate the ability to apply, analyze, synthesize and evaluate issues in the areas of sustainable agriculture, food, nutrition and natural resources.
2. The students will demonstrate mastery in quantitative and/or qualitative data collection and analysis in agricultural science, food and nutrition science, as well as the natural resources.
3. They will demonstrate ability to write technical scientific reports and articles.
4. The students will demonstrate knowledge of current topics and research activities related to sustainable agriculture, food and natural resource sciences in the literature as well as in the island communities.
5. Students will demonstrate the ability to conceive, conduct and report original research results.
6. Students will apply knowledge and technical skills in order to solve discipline related challenges in tropical systems.

ADMISSION

GENERAL ADMISSION REQUIREMENTS

Applicants must first meet all University of Guam's requirements. For more information please refer to the program's website or email at safnr@triton.uog.edu.

Application packages are first evaluated by the Admissions and Recruitment Committee who then present their recommendation to the Program Chair. Upon

approval by the Program Chair, the applicant is admitted to the program.

*CNAS Graduate Program applicants are strongly encouraged to submit a completed application by **July 1** for the Fanuchānan/Fall semester and by **December 1** for the Fañomnākan/Spring semester. Reviews and decisions for applications received after this deadline, are at the program's discretion and not guaranteed.*

For matriculating into Graduate Certificate Programs, a certificate advisor must be identified/selected for acceptance into the SAFNR program. Graduate Certificate Program advisors are:

1. Sustainable Tropical Agriculture and Natural Resources: Dr. L. Bob Barber
2. Tropical Horticulture: Dr. Mari Marutani
3. Food Technology: Dr. Jian Yang
4. Aquaculture: Dr. Hui Gong-Jiang

Once admitted by the SAFNR program, SAFNR graduate students are expected to:

1. Submit the *Permission for Individual Capstone Project* form to establish their committee by the end of their first semester (i.e. "Thesis" for masters and "Special Project" for certificate programs, respectively).; and
2. Present their proposal as soon as possible after forming their Thesis committee.

BACKGROUND AND PERFORMANCE GUIDELINES

The SAFNR is built around two component disciplines (Tracks): Sustainable Agriculture and Natural Resources, and of Food and Nutrition. Applicants are expected to have backgrounds related to at least one of these disciplines. Related backgrounds are broadly defined. Students who do not possess these background courses will be advised to take key undergraduate courses as part of their program. For example, for Sustainable Agriculture, related disciplines include all the sub-disciplines of biology and other life sciences, such as biochemistry, or genetics; the health sciences; and agricultural, animal, and plant sciences. Disciplines related to Nutrition and/or Food Science include human nutrition, food preparation and processing, health science, food chemistry, food safety, and microbiology. Relevant disciplines also

include; applied mathematics, statistics, and computer science. Applicants with other backgrounds, especially with interdisciplinary training or experience, who have completed the prerequisites listed below or can provide other evidence of their ability to successfully complete the core course requirement will be considered as well.

TRACKS

The two tracks of the program will cover the following topics:

SUSTAINABLE AGRICULTURE AND NATURAL RESOURCES

The following topics will be covered in the Track of Sustainable Agriculture and Natural Resources:

- Evaluation methods of plant, soil and natural resources interaction
- Technologies in sustainable agriculture and agro-ecosystem
- Method of selection of plants adapted to environments
- Plant materials in tropical urban landscape and farms
- Evolving methods of engineering technologies in tropical sustainable agriculture
- Effects of soil fertility on plant nutrition and metabolism
- Experimental designs in agricultural field and laboratory
- Sustainable animal production systems
- Agricultural biotechnology
- Tropical aquaculture

FOOD AND NUTRITION

The following topics will be covered in the Track of Food and Nutrition:

- Applications and issues related to nutrition research
- Dietary assessment methods; nutrition monitoring and surveillance
- Evolving methods of assessing health status
- Assessment and treatment of nutritional health risks
- Health promotion and disease prevention theories and guidelines

- Influence of socioeconomic, cultural and psychological factors on food and nutrition behaviour
- Food safety issues, solutions, and regulations
- Food security and value-added food products
- Changes of food quality and components during processing and storage
- Methods of detecting and characterizing microbes and food components.

DEGREE REQUIREMENTS

MASTERS DEGREE REQUIREMENTS

Within the first semester following SAFNR program acceptance, students must choose and be accepted by a faculty advisor with expertise in their selected sub-discipline. In consultation with his/her advisor, each student must select a discipline track that he/she will follow for the remainder of their academic program: 1) Sustainable Agriculture and Natural Resources, and 2) Food and Nutrition as described below. Subsequently, the student's individual program is developed by the student and his/her advisor and monitored by the advisor and the student's advisory committee. Final program approval requires endorsement by the Program Chair and CNAS Dean, with subsequent approval by the Director of Graduate Studies.

COURSE REQUIREMENTS (33 CREDIT HOURS)

The University of Guam's graduate SAFNR Program is designed to produce graduates equipped with essential knowledge and skills. It fosters a commitment to the highest standards of professional integrity in research and application of Agricultural and Natural Resources as well as Food and Nutrition to matters of public interest.

Among the core courses which are courses are: Advanced Statistical Methods (BI/EV-507, 4 credit hours), Seminars on current topics (AL-691, 1 credit hour), Bio-logical Literature & Scientific Writing (BI/EV-503, 2 hours). These core courses equip students with quantitative skills for rigorous experimental design and, interpretation as well as rigorous training in, scientific writing. Students take all four of these core courses, irrespective of which track

they choose for their concentration. This suite of courses, thus equips students with the essential knowledge and skills from each of the two discipline tracks that define the SAFNR program.

Up to 3-credits of Thesis (AL-695) can be earned to prepare his/her Thesis proposal. Students will earn the remaining Thesis (AL-695) credits after his/her proposal is presented and approved.

Core Courses (13 credit hours)

The CORE curriculum for ALL TRACKS consists of four courses totaling 13 credit hours:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| BI503 | BIOLOGICAL LITERATURE AND SCIENTIFIC WRITING | 2 | SPRING ONLY/ ALL YEARS |
| BI507 | ADVANCED STATISTICAL METHODS | 4 | FALL ONLY/ ALL YEARS |
| EV503 | BIOLOGICAL LITERATURE AND SCIENTIFIC WRITING | 2 | SPRING ONLY/ ALL YEARS |
| EV507 | ADVANCED STATISTICAL METHODS | 4 | FALL ONLY/ ALL YEARS |
| AL691 | SEMINAR AND CURRENT TOPICS | 1 | SPRING ONLY/ ALL YEARS |
| AL695 | THESIS | 1 - 6 | FALL/SPRING/ ALL YEARS |

Agricultural and Natural Resource Track (9 credit hours)

For the Agricultural and Natural Resource Track students must choose minimum of 9 credit hours from the following courses:

| Course | Course Title | Credits | Term Offered |
|----------|--|---------|-------------------------|
| AL443G | TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE | 3 | SPRING ONLY/ ODD YEARS |
| AL443L/G | TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| EV512 | ENVIRONMENTAL SCIENCE: ECONOMICS-MANAGEMENT-LAW | 3 | SPRING ONLY/ ALL YEARS |
| AL536 | ADVANCES IN SUSTAINABLE AQUACULTURE | 3 | FALL ONLY/ ODD YEARS |
| EV561 | URBAN LANDSCAPE MANAGEMENT | 3 | FALL ONLY/ EVEN YEARS |
| AL566 | AGROECOLOGY FOR ISLAND SUSTAINABILITY | 3 | SPRING ONLY/ EVEN YEARS |
| AL570 | SUSTAINABLE ANIMAL PRODUCTION SYSTEMS | 3 | SPRING ONLY/ ALL YEARS |
| AL581 | PRINCIPLE OF PLANT NUTRITION | 3 | SPRING ONLY/ EVEN YEARS |

Food and Nutrition Track (9 credit hours)

For the Food and Nutrition Track students must choose minimum of 9 credit hours from the following courses:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|------------------------|
| BI419G | BIOCHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| CH419G | BIOCHEMISTRY | 3 | SPRING ONLY/ ALL YEARS |
| AL439G | COMMUNITY NUTRITION | 3 | SPRING ONLY/ ODD YEARS |
| AL445G | FOOD CHEMISTRY | 3 | SPRING ONLY/ ODD YEARS |
| AL455G | NUTRITIONAL ASSESSMENT | 3 | SPRING ONLY/ ODD YEARS |
| AL460G | ADVANCED HUMAN NUTRITION | 4 | FALL ONLY/ EVEN YEARS |
| AL505 | NUTRITIONAL EPIDEMIOLOGY | 3 | SPRING ONLY/ ODD YEARS |
| AL542 | ADVANCED FOOD SAFETY | 3 | FALL ONLY/ EVEN YEARS |
| AL539 | PUBLIC HEALTH NUTRITION | 3 | FALL ONLY/ ODD YEARS |

Elective Courses (11 credit hours)

Beyond the core courses, each student must complete at least 11 credit hours from the elective courses related to his or her selected area of concentration and agreed upon by his or her advisor. Elective courses should be selected upon consultation with the thesis committee to support the chosen research track. See General requirements for research thesis. Research thesis in SAFNR program are expected to make an original contribution to the selected sub-discipline and reflect mastery of the knowledge and skills required to successfully pursue of advanced study and research in the aforementioned science degree program.

Students are to choose a minimum of 11 credit hours from the following list or any graduate courses with advisor's recommendation:

| Course | Course Title | Credits | Term Offered |
|--------------|--|---------|---------------------------|
| AL443G | TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE | 3 | SPRING ONLY/ ODD YEARS |
| AL443L/ G | TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| AL451G | AGRICULTURAL BUSINESS MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |
| MI501 | PEOPLES AND CULTURES OF MICRO | 3 | FALL ONLY/ ALL YEARS |
| EV535 | TROPICAL CLIMATE & CLIMATE VARIABILITY | 3 | FALL ONLY/ EVEN YEARS |
| EV510 | ENVIRONMENTAL SCIENCE: BIOLOGY/ ECOLOGY | 3 | FALL ONLY |
| AL481G | ENVIRONMENTAL SOIL SCIENCE | 3 | SPRING ONLY/ ODD YEARS |
| AL481L/ G | ENVIRONMENTAL SOIL SCIENCE LABORATORY | 1 | SPRING ONLY/ ODD YEARS |
| HS405G | EPIDEMIOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| EV506 | PHYSICAL GEOGRAPHY OF MICRONESIA | 3 | FALL ONLY/ EVEN YEARS |
| MI514 | HEALTH AND HUMAN ADAPTATION | 3 | SPRING ONLY/ ODD YEARS |

| Course | Course Title | Credits | Term Offered |
|------------------|---|---------|---------------------------|
| IN MICRONESIA | | | |
| AL563 | MGMT & RECYCLING OF ORGANIC WASTE | 3 | FALL ONLY/ ODD YEARS |
| AL698 | INTERNSHIP IN SUSTAINABLE AGRICULTURE, FOOD AND NATURAL RESOURCES | 1 - 3 | FALL/SPRING/ ALL YEARS |
| AL691 | SEMINAR AND CURRENT TOPICS | 1 | SPRING ONLY/ ALL YEARS |
| AL692 | TEACHING/ RESEARCH ASSISTANTSHIP | 1 | FALL/SPRING/ ALL YEARS |

Students are required to take a minimum of 33 credit hours to graduate from the SAFNR program. A thesis with a satisfactory grade point average of 3.0 or higher will confer the Master of Science in Sustainable Agriculture, Food and Natural Resources (SAFNR).

GRADUATE CERTIFICATE PROGRAM

The Graduate Program in Sustainable Agriculture, Food and Natural Resources (SAFNR) also offers a Graduate Certificate to students who have successfully completed a total of 15 credit hours with a satisfactory grade point average of 3.0 or higher in one of these four concentration areas:

1. Graduate Certificate in Sustainable Tropical Agriculture and Natural Resources
2. Graduate Certificate in Tropical Horticulture
3. Graduate Certificate in Food Technology

4. Graduate Certificate in Aquaculture

COURSE REQUIREMENTS (15 CREDIT HOURS)

Core Courses (3 credit hours)

The CORE requirements for all Graduate Certificate Programs:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|---------------------------|
| AL691 | SEMINAR AND CURRENT TOPICS | 1 | SPRING ONLY/ ALL YEARS |

CONCENTRATION REQUIREMENTS (14 CREDIT HOURS)

Selection of courses for each concentration area will be determined by the Student, Advisor, and one additional committee member of the programs, and approved by the Dean of the College of Natural and Applied Science. Courses recommended for each concentration are listed below, yet not limited these courses.

Sustainable Tropical Agriculture and Natural Resources (14 credit hours)

Minimum of 14 credit hours

SET 1

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|----------------------------|
| AL566 | AGROECOLOGY FOR ISLAND SUSTAINABILITY | 3 | SPRING ONLY/ EVEN YEARS |

SET 2

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|------------------------|
| AL443G | TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE | 3 | SPRING ONLY/ ODD YEARS |
| AL481G | ENVIRONMENTAL SOIL SCIENCE | 3 | SPRING ONLY/ ODD YEARS |
| AL451G | AGRICULTURAL BUSINESS MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |

SET 3

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|-----------------------|
| EV561 | URBAN LANDSCAPE MANAGEMENT | 3 | FALL ONLY/ EVEN YEARS |
| AL563 | MGMT & RECYCLING OF ORGANIC WASTE | 3 | FALL ONLY/ ODD YEARS |

SET 4

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|------------------------|
| AL570 | SUSTAINABLE ANIMAL PRODUCTION SYSTEMS | 3 | SPRING ONLY/ ALL YEARS |
| AL536 | ADVANCES IN SUSTAINABLE AQUACULTURE | 3 | FALL ONLY/ ODD YEARS |

Tropical Horticulture (14 credit hours)

Minimum of 14 credit hours

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-------------------------|
| AL566 | AGROECOLOGY FOR ISLAND SUSTAINABILITY | 3 | SPRING ONLY/ EVEN YEARS |
| AL698 | INTERNSHIP IN SUSTAINABLE AGRICULTURE, FOOD AND NATURAL RESOURCES | 1 - 3 | FALL/SPRING/ ALL YEARS |

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|-----------------------|
| EV561 | URBAN LANDSCAPE MANAGEMENT | 3 | FALL ONLY/ EVEN YEARS |

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|-----------|---------------------------------------|---------|------------------------|
| AL481G | ENVIRONMENTAL SOIL SCIENCE | 3 | SPRING ONLY/ ODD YEARS |
| AL481L/ G | ENVIRONMENTAL SOIL SCIENCE LABORATORY | 1 | SPRING ONLY/ ODD YEARS |

OR

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|-------------------------|
| AL581 | PRINCIPLE OF PLANT NUTRITION | 3 | SPRING ONLY/ EVEN YEARS |

Food Technology

Minimum of 14 credit hours

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| AL439G | COMMUNITY NUTRITION | 3 | SPRING ONLY/ ODD YEARS |
| AL445G | FOOD CHEMISTRY | 3 | SPRING ONLY/ ODD YEARS |
| AL451G | AGRICULTURAL BUSINESS MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |
| AL539 | PUBLIC HEALTH NUTRITION | 3 | FALL ONLY/ ODD YEARS |
| AL542 | ADVANCED FOOD SAFETY | 3 | FALL ONLY/ EVEN YEARS |

Aquaculture

Minimum of 14 credit hours

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|---------------------------|
| AL536 | ADVANCES IN SUSTAINABLE AQUACULTURE | 3 | FALL ONLY/ ODD YEARS |
| AL542 | ADVANCED FOOD SAFETY | 3 | FALL ONLY/ EVEN YEARS |
| AL451G | AGRICULTURAL BUSINESS MANAGEMENT | 3 | SPRING ONLY/ ODD YEARS |

SET 2

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-------------------------------------|---------|-------------------------|
| EV508 | SCIENTIFIC COMPETENCE AND INTEGRITY | 3 | FALL ONLY/ ALL YEARS |
| BI508 | SCIENTIFIC COMPETENCE AND INTEGRITY | 3 | FALL ONLY/ ALL YEARS |

SET 3

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

OR

| Course | Course Title | Credits | Term Offered |
|--------|------------------------|---------|----------------------------|
| BI540 | ICHTHYOLOGY | 3 | SPRING ONLY/ EVEN YEARS |
| BI540L | ICHTHYOLOGY LABORATORY | 1 | SPRING ONLY/ EVEN YEARS |

OR ONE OF THE FOLLOWING:

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|



For more information on Graduate certificate please refer to the program's website or email at safnr@triton.uog.edu.

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SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

MASTER OF ACCOUNTANCY

OVERVIEW

OBJECTIVES

The Master of Accountancy (MAcc) Program provides recent accounting graduates and working accounting professionals across Micronesia and beyond the opportunity to advance their careers toward becoming a CPA. In this fully online degree program, students will be part of a one-year cohort, taking two courses at a time over five eight-week terms.

The 30-credit hour program embeds CPA exam preparation courses into the curriculum in order to efficiently prepare students to sit for the CPA exam in Guam. Additionally, the program is designed to meet the American Institute of CPA (AICPA) Core Competencies and the CPA exam broad objectives to enhance student analytical decision-making, problem solving, and critical thinking skills necessary to succeed in today's complex accounting environment.

The MAcc curriculum includes a balance of advanced accounting coursework focused on molding ethical and professional individuals interested in leading and thriving in a competitive global marketplace. The curriculum offers courses in professional accounting research, financial analysis and valuation, corporate governance and ethics, advanced auditing and forensic accounting, information systems, and data analytics and includes an accounting capstone experience. Topics are organized into four areas matching the CPA exam categories.

PROGRAM LEARNING OUTCOMES

The curriculum design and pedagogical approach have been specially planned for distance education. The curriculum is designed to meet the program learning outcomes in accordance with the American Institute of CPAs (AICPA) core competency framework and the CPA exam framework.

Upon completion of this program, students should be able to:

1. Evaluate complex accounting problems in auditing, financial reporting, and taxation using professional judgment, skepticism, and analytical tools and make recommendations for optimal solutions.
2. Analyze global, regional, and local accounting issues and environmental factors (i.e., economy, information systems, industry, legal and regulatory, etc.), identifying causes of concern, and provide evidence to support inferences.
3. Develop methods of communication that most effectively inform both technical and non-technical audiences including oral, written, and graphic.
4. Demonstrate leadership and collaboration skills in order to accomplish the desired outcome(s), acknowledging and leveraging diversity and multicultural societies.
5. Employ professional and ethical standards of conduct when assessing the consequences of decisions on stakeholders and justify resolutions.

[Download Program Packet](#)

ADMISSION

PROGRAM ADMISSION

Applicants must meet the following minimum qualifications to be eligible to apply to the program:

1. Baccalaureate degree in accounting or business from an accredited college or university
2. Graduate admission application and application fee
3. Official transcripts of all coursework completed
4. GMAT or GRE test scores (a minimum score of 500 is preferred)*
5. At least two letters of recommendation
6. Current resume
7. Minimum cumulative undergraduate GPA of 3.0.*

** This requirement is waived for UOG undergraduate students with an overall cumulative GPA of 3.25 or higher. Students will also be eligible for a waiver if they have completed two years of relevant post-bachelor, full-time professional experience with demonstrated career progression or have a graduate degree from an accredited institution.*

PREREQUISITES

In addition, accounting and non-accounting business undergraduate students must complete the following prerequisites before entering the program:

- 12 semester hours in upper division accounting courses (e.g., Intermediate Accounting I, Intermediate Accounting II, Advanced Accounting, Auditing, Cost and Managerial Accounting)
- 6 semester hours in Economics
- 3 semester hours in Finance, and
- 3 semester hours in Business Law

DEGREE REQUIREMENTS

ACADEMIC REQUIREMENTS

1. Any courses that are seven years old or more must be retaken unless permission is granted by the MAcc Admissions & Appeals Committee.
2. Any courses in which a student receives a "C+" or below must be retaken unless permission is granted by the MAcc Admissions & Appeals Committee.
3. Students may not receive more than one grade of a "C+" or below. A second grade of a "C+" or below, regardless of GPA, will result in automatic academic suspension. A review of the student by the MAcc Admissions & Appeals Committee will commence. Upon review, the student may serve a suspension or be dismissed from the program.
4. Students who receive a grade of "F" will result in automatic academic suspension. A review of the student by the MAcc Admissions & Appeals Committee will commence. Upon review, the student may serve a suspension or be dismissed from the program.

COURSE REQUIREMENTS (30 CREDIT HOURS)

The program is divided into 5 terms at 8 weeks in length each, with two classes composing a single term. The student would be expected to complete all 10 courses (30 credits) within an academic school year. Below is a sample schedule:

Required Courses

TERM 1

6 credits

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA500 | PROFESSIONAL ACCOUNTING RESEARCH & COMM | 3 | FALL/SPRING/ ALL YEARS |
| BA604 | REGULTN (CPA EXM:REG) & TAX PLANNG | 3 | SPRING ONLY/ ALL YEARS |

TERM 2

6 credits

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| BA503 | ADVACED AUDITING & FRAUD EXAMINATION | 3 | SPRING ONLY/ ALL YEARS |
| BA606 | AUDITING & ATTESTATION (CPA EXAM:AUD) | 3 | SPRING ONLY/ ALL YEARS |

TERM 3

6 credits

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------|
| BA502 | INFO SYSTEMS & DATA ANALYTICS FOR ACCTNT | 3 | SUMMER/ ALL YEARS |
| BA605 | BUSINESS ENVT & CONCEPTS (CPA EXAM:BEC) | 3 | SUMMER/ ALL YEARS |

TERM 4

6 credits

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-------------------------|
| BA504 | FINANCIAL STATEMENT ANALYSIS & VALUATION | 3 | FALL ONLY/ ALL YEARS |
| BA600 | FINANCIAL ACCOUNTING & REPORTING | 3 | FALL ONLY/ ALL YEARS |

TERM 5

6 credits

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| BA507 | CORPORATE GOVERNANCE & ETHICS | 3 | SPRING ONLY/ ALL YEARS |
| BA701 | ACCOUNTING CAPSTONE EXPERIENCE | 3 | FALL ONLY/ ALL YEARS |

FACULTY

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MASTER OF PUBLIC ADMINISTRATION

OVERVIEW

OBJECTIVES

The School of Business and Public Administration offers a master's degree in Public Administration. The Master of Public Administration (MPA) degree is an interdisciplinary program that provides students with a high caliber professional education in public administration and prepares aspirants for careers in public service at the territorial, regional, federal, and international levels. This professional degree, while flexible enough to apply in the private sector, gives graduates a competitive advantage in the pursuit of specific careers in government agencies, nonprofit, or philanthropic institutions. The program offers valuable opportunities for individuals to enhance and improve critical public administration skills, learn new concepts and theories of public administration and management, and explore the most current and relevant techniques regarding the implementation of policies, projects, and programs within the organization and in society. The University of Guam is a candidate for accreditation with the Network of Schools of Public Policy, Affairs, and Administration (NASPAA), the global standard in public service education.

PROGRAM LEARNING OUTCOMES

The following will serve as the seven domains of the MPA Core Competencies. These domains relate to mission, public service values and functions as the basis for the program's curriculum. Upon completing the requirements of the MPA degree, students will demonstrate the following abilities:

1. Demonstrate an advanced understanding of leading and managing in public governance;
2. Demonstrate an ability to relevantly apply a real-world understanding, participate in, and contribute to the policy process;
3. Demonstrate a practical competency to analyze, synthesize, think critically, quantitatively/ qualitatively reason, solve problems and make decisions;

4. Demonstrate an advanced proficiency to articulate and apply a public service perspective grounded in professional, ethical and socially responsible behavior;
5. Demonstrate a dynamic ability to be innovative, to communicate, and interact productively with a diverse and changing workforce and citizenry;
6. Demonstrate an advanced proficiency in utilizing technology toward the betterment and advancement of the profession; and
7. Demonstrate a comprehensive mindset that fosters an advanced understanding and appreciation of territorial, regional, federal, and international environments, with consideration of indigenous and global impact perspectives, and their relation to Public Administration.

PUBLIC SERVICE VALUES

The following public service values are fundamental ideals and principles of the MPA program that are shared by its faculty, students, and stakeholders alike. The program's mission, governance, and curriculum are structured to uphold the following public service values, which distinguishes this program from other degree programs:

1. **Professionals Committed to Accountability, Transparency, and Ethics:** Our mission will be met by competent professionals, committed to pursuing the public interest with accountability, transparency, and the highest standard of ethical consideration.
2. **Public Servants Worthy of Public Trust:** As Public Servants, with every thought, word, and deed, we must strive every day, and at every instance, to prove ourselves worthy of the public's trust. We must be humble and consider ourselves privileged to be charged with the welfare of others.
3. **Keepers of Respect, Equity, and Fairness Rooted in the Principles of Democracy:** The Principles of Democracy must be at the heart of everything we do. We must also always strive to demonstrate respect, equity, and fairness in dealing with all people and fellow public servants. Further, it should be our pledge to be guided by Constitutional principles of the United States, the Organic Act of Guam, and be exemplars of law-abiding citizens in our respective roles within public service.

ADMISSION

In order to apply for admission to the Master of Public Administration (MPA) Program, applicant packets must include:

1. Satisfaction of Graduate Admission Standards, according to the current UOG Graduate Bulletin;
2. Earned baccalaureate degree from an accredited college or university (a prospective candidate for the MPA program may hold a bachelor's degree in any field. It is not necessary that the bachelor's degree be in public administration.);
3. Official transcripts of all undergraduate work;
4. An overall grade point average (GPA) of at least 3.0 (on a 4-point scale) in the last two years (62hrs.)
5. Completion of Common Professional Component (CPC) – Based Comprehensive Exam for Master's Degree Programs in Public Administration (administration can be requested through the SBPA Dean's Office);
6. Two letters of recommendation;
7. Resume;
8. Statement of intent. The statement of intent should include, at the least, why the prospective candidate is choosing to pursue an MPA degree, what the applicant intends to do with the degree, and other pertinent information;
9. After completion of Steps 1-8, applicants must schedule an interview with MPA Chair;
10. Essay/Writing Sample (to be administered on the spot during the interview with MPA Program Chair).

DEGREE REQUIREMENTS

ACADEMIC REQUIREMENTS

- Any courses which are seven years old or more must be retaken unless permission is granted by the MPA Admissions and Appeals Committee.
- Any courses in which a student receives a C+ or below must be retaken, unless permission is granted by the MPA Admissions and Appeals Committee.
- Students may not receive more than one grade of a C+ or below. A second grade of a C+ or below, regardless of GPA, will result in automatic academic suspension. A review of the student by the MPA

Admissions and Appeals Committee will commence. Upon review, the student may serve a suspension or be dismissed from the program.

- Students who receive a grade of an F will result in automatic academic suspension. A review of the student by the MPA Admissions and Appeals Committee will commence. Upon review, the student may serve a suspension or be dismissed from the program.

COURSE REQUIREMENTS (36 CREDIT HOURS)

Core Courses (21 credit hours)

Students must complete all seven core courses to satisfy the core requirements:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA501 | APPLIED RESEARCH METHODOLOGY | 3 | FALL/SPRING/ ALL YEARS |
| PA510 | ADMINISTRATIVE THOUGHT | 3 | FALL ONLY/ ALL YEARS |
| PA525 | PUBLIC BUDGETING | 3 | FALL ONLY/ ALL YEARS |
| PA530 | PUBLIC PERSONNEL, DISCIPLINARY, AND PERFORMANCE MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| PA535 | INTERGOVERNMENTAL RELATIONS | 3 | SPRING ONLY/ ALL YEARS |
| PA540 | ADMINISTRATIVE LAW | 3 | SPRING ONLY/ ALL YEARS |
| PA560 | LEADERSHIP AND SOCIAL RESPONSIBILITY OF ORGANIZATIONS | 3 | SPRING ONLY/ ALL YEARS |

Elective Courses (9-12 credit hours)

Students may choose any of the following courses to satisfy the elective requirements:

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|---------------------------|
| PA545A | PUBLIC POLICY AND GOVERNANCE | 3 | FALL/SPRING/ ALL YEARS |
| PA545B | PUBLIC PRIVATE PARTNERSHIPS | 3 | FALL/SPRING/ ALL YEARS |
| PA545C | COMPARATIVE PUBLIC ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |
| PA545D | PUBLIC PLANNING | 3 | FALL/SPRING/ ALL YEARS |
| PA545E | PUBLIC CONTRACTING AND PROCUREMENT POLICIES AND PRACTICES | 3 | FALL/SPRING/ ALL YEARS |
| PA570A | SPECIAL TOPICS IN PUBLIC PERSONNEL ADMINISTRATION - POLICY | 3 | FALL/SPRING/ ALL YEARS |
| PA570B | SPECIAL TOPICS IN PUBLIC PERSONNEL ADMINISTRATION- CURRENT RELEVANT ISSUES | 3 | FALL/SPRING/ ALL YEARS |
| PA570C | SPECIAL TOPICS IN PUBLIC PERSONNEL ADMINISTRATION - EMPLOYMENT LAW | 3 | FALL/SPRING/ ALL YEARS |
| PA570D | SPECIAL TOPICS IN PUBLIC PERSONNEL ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| - | ORGANIZATIONS | | |
| PA570E | SPECIAL TOPICS IN PUBLIC PERSONNEL ADMINISTRATION - SYSTEMS | 3 | FALL/SPRING/ ALL YEARS |

Required of all pre-service students:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| PA598 | INTERNSHIP: PUBLIC ADMINISTRATION | 3 | FALL/SPRING/ ALL YEARS |

May be taken multiple times only with the expressed written consent of the MPA Chair:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-------------------------|
| PA590 | SPECIAL PROJECTS IN PUBLIC ADMINISTRATI ON | 3 | FALL ONLY/ FALL ONLY |

Capstone Experience (3–6 credit hours)

Students must choose one of the following two courses to satisfy the capstone experience requirement:

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| PA692 | PRACTICUM | 3 | FALL/SPRING/ ALL YEARS |
| PA695 | THESIS | 6 | FALL/SPRING/ ALL YEARS |



Either PA-692 Practicum or PA-695 Thesis could serve as a capstone experience. The MPA Qualifying Exam will be distributed as part of the capstone experience and may only be taken in the student's graduating semester. Instructor's consent is required for admittance into a Capstone course.

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PROFESSIONAL MASTER OF BUSINESS ADMINISTRATION (PMBA)

OVERVIEW

PROSPECTUS

The Professional Master of Business Administration (PMBA) Program is a one-year graduate degree program for mid-level and executive managers who possess an undergraduate (business, or non-business with core business area prerequisites) degree from an accredited university or college. It is designed for qualified seasoned professionals seeking advance level business and management competencies to compete effectively in the dynamic and changing, international business arena. It will be a fast-paced, focused experience that enables professionals to satisfy their respective personal and professional goals in a formal relevant program.

The PMBA degree program is accredited by the International Assembly for Collegiate Business Education (IACBE). The PMBA Program incorporates a diversity of course offerings and experiences to integrate better content and process of management. Admission to the PMBA Program is competitive with enrollment limited to 15 students per cohort. The academic calendar will be a twelve-month format, and a one-week break in the fañomnåkan semester.

PROGRAM LEARNING OUTCOMES

1. Problem recognition.
2. Strategic analysis and integration.
3. Application of quantitative methods to real-world business situation.
4. Communication to relevant publics:
 - a. Ability to communicate effectively in written materials;
 - b. Ability to communicate effectively orally in one-on-one or business presentation situations.
5. Teamwork skills: ability to work with a team of colleagues on projects.
6. Program management skills.
7. Professional ethics.

ADMISSION

Applicants must have the following minimum qualifications, to be eligible to apply to the program:

- Minimum two years of full-time management, or professional-level, work experience;
- Earned baccalaureate degree from an accredited college or university

The Professional MBA Admissions Committee will base its selection decisions on completed applications, which include:

- Letter of Intent and Statement
- Written essay of a business program for case development;
- Work history and leadership potential;
- Letters of recommendation from two or more professional supervisors or associates;
- Results of the Graduate Management Admissions Test (GMAT)¹, a minimum score of 500 preferred;
- Minimum undergraduate grade point average of 3.0 for business major or overall cumulative;
- Official transcripts of all undergraduate work;
- Satisfaction of Graduate Admissions Standards, according to the UOG Graduate Bulletin.

¹All applicants are required to take the Graduate Management Admissions Test (GMAT). Applications are not complete until the Graduate Admissions Office receives the original GMAT score. To schedule for examination, visit GMAC website at www.mba.com

The Admissions Committee will select the best-qualified candidates who demonstrate a strong intellectual capacity for business and maturity of management experience. The Admissions Committee gives significant attention to the length of time spent in a management role, progression in job responsibilities, and total work experience including the creation of new business ventures

DEGREE REQUIREMENTS

ACADEMIC REQUIREMENTS

- Any courses which are seven years old or more must be retaken unless, permission is granted by the PMBA Admissions and Appeals Committee.
- Any courses in which a student receives a C+ or below must be retaken, unless permission is granted by the PMBA Admissions and Appeals Committee.
- Students may not receive more than one grade of a C+ or below. A second grade of a C+ or below, regardless of GPA, will result in automatic academic suspension. A review of the student by the PMBA Admissions and Appeals Committee will commence. Upon review, the student may serve a suspension or be dismissed from the program.
- Students who receive a grade of an F will result in automatic academic suspension. A review of the student by the PMBA Admissions and Appeals Committee will commence. Upon review, the student may serve a suspension or be dismissed from the program.

CORE BUSINESS AREA REQUIREMENTS

A minimum of 18 semester hours² must be satisfied in the following areas (or their equivalent), as part of program admission requirements:

- Financial reporting, analysis and markets (BA-200 Principles of Financial Accounting, BA-310 Applied Statistics for Business Decisions, and BA-220 or BA-320 Basic Business Finance);
- Domestic and global economic environments of organizations (BA-110 Principles of Economics);
- Creation and distribution of goods and service (BA-260 Fundamentals of Marketing); and
- Human behavior in organizations (BA-241 Human Resource Management or BA-440 Organizational Behavior).

²Part or all of these requirements may be completed in related courses at the undergraduate level, or through the passage of competency examinations approved by



the PMBA Admissions Committee, in respective subject matter areas.

Students must also demonstrate basic skills in written and oral communication, quantitative analysis, and computer usage, either by prior experience and/or education. This will be determined through a competency examination by the PMBA program unit.

COURSE REQUIREMENTS (33 CREDIT HOURS)

Required Courses (33 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| BA601 | CASE STUDIES IN MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| BA610 | MANAGERIAL ECONOMICS | 3 | SPRING ONLY/ ALL YEARS |
| BA611 | STRATEGIC MARKETING MANAGEMENT | 3 | SUMMER/ ALL YEARS |
| BA613 | STRATEGIC LEADERSHIP AND ETHICS | 3 | SPRING ONLY/ ALL YEARS |
| BA620 | FINANCIAL MANAGEMENT | 3 | SUMMER/ ALL YEARS |
| BA621 | MANAGERIAL ACCOUNTING | 3 | SPRING ONLY/ ALL YEARS |
| BA622 | STATISTICAL ANALYSIS AND ECONOMETRIC TECHNIQUES | 3 | SUMMER/ ALL YEARS |
| BA630 | GLOBAL HUMAN RESOURCE MANAGEMENT | 3 | SPRING ONLY/ ALL YEARS |
| BA632 | OPERATIONS AND PROJECT MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| BA710 | ADVANCE TOPICS IN INTERNATIONAL BUSINESS | 3 | SUMMER/ ALL YEARS |
| BA711 | BUSINESS CAPSTONE EXPERIENCE | 3 | FALL ONLY/ ALL YEARS |

SCHEDULE

SCHEDULE FORMAT

Six eight-week terms during one program year are offered which reinforce the intellectual foundation of strategic business management with an integrated applied approach. Concept courses are introduced as a way of enhancing understanding of the ideas needed to manage from evidence in business management as best-practice models. The tools needed to implement the management perspective are provided so that students make the connection between concepts and process for effective management. A one-day orientation will be scheduled prior to Term 1 to provide an introduction to the new cohort of students into the program.

Thirty-three credit hours are required for graduation. Six credit hours are awarded for successful completion of each Term with the exception of Term 6, which is the Business Capstone Experience. Course enrollment is limited to those admitted to the PMBA Program.

Course Schedule (Academic Year 2022)

Course Week begins on a Monday and ends on a Sunday.

Each course is scheduled to meet face to face on Friday or Saturday. Some courses may be scheduled to meet on Sundays rather than Saturdays or at different days/times as arranged through consultation between Cohort members and the Instructor. All PMBA courses offered during this one-year cycle will meet at the Jesus & Eugenia Leon Guerrero School of Business & Public Administration Building on the UOG campus. The instructor may also schedule off-campus activities or meetings.

TERM 1

| June 14, 2022 – August 08, 2022

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| BA610 | MANAGERIAL ECONOMICS | 3 | SPRING ONLY/ ALL YEARS |
| BA630 | GLOBAL HUMAN RESOURCE MANAGEMENT | 3 | SPRING ONLY/ ALL YEARS |

TERM 2

| August 12, 2022 – October 01, 2022

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------------------|---------|---------------------------|
| BA613 | STRATEGIC LEADERSHIP AND ETHICS | 3 | SPRING ONLY/ ALL YEARS |
| BA632 | OPERATIONS AND PROJECT MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |

TERM 3

| October 07, 2022 - November 26, 2022

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|----------------------|
| BA611 | STRATEGIC MARKETING MANAGEMENT | 3 | SUMMER/ ALL YEARS |
| BA622 | STATISTICAL ANALYSIS AND ECONOMETRIC TECHNIQUES | 3 | SUMMER/ ALL YEARS |

TERM 4

| December 02, 2022 –January 21, 2023

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| BA621 | MANAGERIAL ACCOUNTING | 3 | SPRING ONLY/ ALL YEARS |
| BA620 | FINANCIAL MANAGEMENT | 3 | SUMMER/ ALL YEARS |

TERM 5

January 24, 2023 – March 20, 2023

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-------------------------|
| BA710 | ADVANCE TOPICS IN INTERNATIONAL BUSINESS | 3 | SUMMER/ ALL YEARS |
| BA601 | CASE STUDIES IN MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |

TERM 6

March 24, 2023 – May 15, 2023

| Course | Course Title | Credits | Term Offered |
|--------|------------------------------|---------|-------------------------|
| BA711 | BUSINESS CAPSTONE EXPERIENCE | 3 | FALL ONLY/ ALL YEARS |

*March 20-25, 2023 Spring break

Important Dates

- **Orientation:** June 10, 2022
- **SBPA Graduate Hooding:** May 18, 2023
- **Commencement Exercise:** May 21, 2023

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SCHOOL OF EDUCATION

MASTER OF ARTS IN COUNSELING

OVERVIEW

OBJECTIVES

The School of Education offers a Master of Arts program designed to prepare graduate students for advanced roles in the field of school or community counseling. This program includes theory, research, and an intense supervised practicum and internship. In the electives, graduate students may choose additional depth in the counseling areas of either research or practice.

Prerequisite

1. Meet all University requirements stated under Academic Regulations and a minimum of 3.00 undergraduate GPA.
2. Write a 500-word statement of accomplishments, interests, and goals relating to the counseling profession. This statement will be submitted to the program faculty, who will then conduct an admissions interview. Entry into the program is contingent on passing this interview. The M.A. Counseling Program trains students to work with children and adults in both public and private settings. Because they deal with very sensitive personal issues, it is crucial that those who are admitted and graduated from this program have integrity, competency, and uphold the ethical codes of the American Counseling Association or the American School Counselor Association. For this reason, the M.A. Counseling Program faculty will conduct an admissions interview.

Continuing Requirements

1. Annual student performance evaluations of competency to continue throughout the program.
2. Maintain minimum of 3.00 GPA for all coursework in the program. Graduate courses with grades less than a "B" require written program faculty approval to continue in the program.

PROGRAM LEARNING OUTCOMES

The Master of Arts in Counseling follows the Council for Accreditation of Counseling & Related Educational Programs (CACREP) eight common core areas representing the foundational knowledge required of all entry-level counselor education graduates (CACREP, 2016). In addition to the common core areas, students are required curricular experiences and to demonstrate knowledge and skills in the areas of foundations, contextual dimensions, knowledge, and clinical instruction. The standards for the eight common core areas are listed below:

- 1. Professional Counseling Orientation and Ethical Practice:** The counselor candidate understands the history and philosophy of the counselors' roles and responsibilities; advocacy processes; counseling credentialing; counselors' practices and advocacy processes; strategies for self-evaluation and self-care; ethical standards of the counseling relationship, confidentiality, professional responsibility, and relationship with other professionals; ethical and legal standards of evaluation, assessment, and interpretation; ethical standards of supervision and training; ethical and legal standards of research and publication, distance counseling, technology, and social media; and of resolving ethical issues.
- 2. Social and Cultural Diversity:** The counselor candidate uses understanding of multicultural and pluralistic characteristics within and among diverse groups nationally and internationally; theories and models of multicultural counseling; cultural identity development; multicultural counseling competencies; help-seeking behaviors of diverse clients; the impact of spiritual beliefs on worldviews; societal subgroups; and social mores and differing lifestyles.
- 3. Human Growth and Development:** The counselor candidate works with learning theories within cultural contexts; the nature and needs of individuals across the lifespan; factors that affect human development, functioning, and behavior; trauma effects on diverse individuals across the lifespan; and ethical and culturally relevant strategies for promoting resilience,

optimum development, and wellness across the lifespan.

4. **Career Development:** The counselor candidate applies the theories and models of career development, counseling, and decision making; strategies for assessing factors that contribute to career development; strategies for advocating for diverse clients' career, educational development, and employment opportunities in a global economy; strategies for facilitating client skill development for career, educational, life-work planning, and management; and ethical and culturally relevant strategies for addressing career development.
5. **Counseling and Helping Relationships:** The counselor candidate understands and uses essential interviewing, counseling, and case conceptualization; theories and models of counseling; counselor characteristics and behaviors that influence the counseling process; developmentally counseling treatment or intervention plans; evidence-based counseling strategies and techniques for prevention and intervention; strategies to promote client understanding of and access to a variety of community-based resources; a systems approach to conceptualizing clients; ethical and culturally relevant strategies for establishing and maintaining in-person and technology-assisted relationships; the impact of technology on the counseling process; consultation theories and their applications; suicide prevention models and strategies; crisis intervention, trauma-informed, and community-based strategies; and processes for aiding students in developing a personal model of counseling.
6. **Counseling and Group Work:** The counselor candidate engages in the theoretical foundations of group counseling and group work; dynamics associated with group process and development; therapeutic factors and how they contribute to group effectiveness; direct experiences in which counselor candidate participate as group members in a small group; the essential steps in forming a group; ethical and culturally relevant strategies for designing and facilitating group; group leadership styles; and group counseling methods and skills.
7. **Assessment and Testing:** The counselor candidate understands the importance of assessment and testing in counseling; group and individual education and psychometric theories and approaches to appraisal; data and information gathering methods; validity

reliability, psychometric statistics, factors influencing appraisals, and use of appraisal results in helping processes; procedures for assessing risk of aggression or danger to others, self-inflicted harm, or suicide; and procedures for identifying trauma and abuse and for reporting abuse.

8. **Research and Program Evaluation:** The counselor candidate understands the importance of research in advancing the counseling profession, including how to critique research; types of research; basic statistics; research-report development; research implementation; program evaluation; needs assessment; and ethical and culturally relevant strategies for conducting, interpreting, and reporting the results of research and/or program evaluation.

DEGREE REQUIREMENTS

COURSE REQUIREMENTS (48 CREDIT HOURS)

Core Course (33 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|-----------------------------|
| ED601 | INTRODUCTION TO RESEARCH METHODS | 3 | FALL/SPRING/ ALL YEARS |
| ED619 | INTRODUCTION TO COUNSELING | 3 | FALL ONLY/ AS REQUIRED |
| ED620 | THE COUNSELING PROCESS: THEORY | 3 | FALL ONLY/ AS REQUIRED |
| ED621 | THE COUNSELING PROCESS: INDIVIDUAL PRACTICE | 3 | FALL ONLY/ ALL YEARS |
| ED622 | GROUP COUNSELING | 3 | SPRING ONLY/ ALL YEARS |
| ED623 | DYNAMICS OF INDIVIDUAL BEHAVIOR | 3 | SPRING ONLY/ ALL YEARS |
| ED624 | INDIVIDUAL AND GROUP ASSESSMENT | 3 | FALL ONLY/ ALL YEARS |
| ED625 | MULTICULTURAL COUNSELING | 3 | SPRING ONLY/ ALL YEARS |
| ED627 | CAREER COUNSELING | 3 | SPRING ONLY/ AS REQUIRED |
| ED677 | ETHICAL AND LEGAL ISSUES IN COUNSELING | 3 | FALL ONLY/ AS REQUIRED |

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|---------------------------|
| ED692 | PRACTICUM: | 1 - 6 | FALL ONLY/ AS REQUIRED |

Area of Specialization (6 credit hours)

TRADITIONAL OPTION:

| Special Project or Thesis

| Course | Course Title | Credits | Term Offered |
|--------|-----------------|---------|---------------------------|
| ED690 | SPECIAL PROJECT | 3 - 6 | FALL/SPRING/ ALL YEARS |
| ED695 | THESIS: | 1 - 6 | FALL/SPRING/ ALL YEARS |

OR

PROFESSIONAL OPTION:

| School Counseling and/or Community Counseling

School Counseling Concentration:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED626 | PREVENTION AND OUTREACH | 3 | FALL ONLY/ AS REQUIRED |
| ED678 | ORGANIZATION AND ADMINISTRATION OF SCHOOL COUNSELING PROGRAMS | 3 | AS REQUIRED |

Community Counseling Concentration:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|-----------------------------|
| ED679 | INTRODUCTION TO COMMUNITY COUNSELING | 3 | AS REQUIRED |
| ED688 | PERSONALITY AND MENTAL HEALTH | 3 | SPRING ONLY/ AS REQUIRED |

Capstone Requirements (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|-----------------------------|
| ED697 | COMPREHENSIVE EXAM | 0 | FALL/SPRING/ ALL YEARS |
| ED698 | INTERNSHIP: | 3 - 6 | FALL/SPRING/ AS REQUIRED |

NOTE: ED-698 (3 credit hours) – Students must complete a total of six credit hours of ED-698. Students may take two sections of ED-698 in one semester or over two semesters.

Elective Requirements (3 credit hours)

| Any graduate course from either emphasis track or advisor-approved of related program.

PRACTICE EMPHASIS

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| ED626 | PREVENTION AND OUTREACH | 3 | FALL ONLY/ AS REQUIRED |
| ED628 | FAMILY COUNSELING | 3 | AS REQUIRED |
| ED629 | PSYCHOLOGICAL TESTING | 3 | AS REQUIRED |
| ED674 | LIFESPAN TRANSITION COUNSELING | 3 | AS REQUIRED |
| ED675 | GROUP COUNSELING PRACTICUM | 3 | AS REQUIRED |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

RESEARCH EMPHASIS

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| ED602 | QUALITATIVE INQUIRY IN EDUCATION | 3 | SPRING ONLY/ ALL YEARS |
| ED603 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ALL YEARS |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

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MASTER OF ARTS IN TEACHING

OVERVIEW

OBJECTIVES

The School of Education offers a Master of Arts in Teaching (MAT) Program designed to prepare graduate students as certified elementary or secondary classroom teachers. This program includes theory, pedagogy, research, and an intense practicum and internship. Students may be admitted as a cohort each Fanuchānan semester with applications accepted until Sept. 1.

Prerequisite

1. Meet all University requirements stated under Academic Regulations.
2. A degree in a field outside of Education and a completed Transcript Analysis Form. For Secondary Education: Fifteen (15) units of coursework (6 of which must be upper division credits) in the content area in which certification is being sought. Content areas include: Language Arts, Math, Science, Social Studies, Health/ PE, World Language, Business, and Consumer Family Science.
3. Praxis Core scores of Reading 156, Writing 162, and Math 150. Additionally required: Praxis Subject Assessment scores that meet GCEC score requirements in the specified content area.
4. Two letters of recommendation that speak to the applicant's scholarly knowledge in the content area and aptitude to work with youth.
5. A written statement of accomplishments, interests, and goals relating to teaching.

6. Admission interview. Entry into the program is contingent on passing this interview with the MAT chair. The MAT Program trains students to work in either the elementary or middle and high school public and private settings. Because participants will teach minors in very sensitive settings, it is crucial that those who are admitted and graduated from this program have integrity and competency.

Continuing Requirements

1. Maintain a cumulative minimum GPA of 3.00 for all coursework in the program. Graduate courses with grades less than a B require written program faculty and administration approval to continue in the program. Maintain a professional disposition and be aware that this professional disposition will be assessed throughout the program and will have bearing on decisions made regarding eligibility to complete in a successful manner.
2. Maintain an electronic teaching portfolio aligned with the SOE Conceptual Framework, InTASC, and GTPS standards to be reviewed each semester by the student's committee. The portfolio will be used as a basis for assessment and advisement throughout the graduate studies experience and will be closely monitored at major decision points such as admission to candidacy, midpoint, and exit.
3. Praxis, Principles of Learning and Teaching (PLT) scores which meet Guam Teacher Certification requirements after the completion of 24 credits and at least one semester before graduation. This is the Comprehensive examination for the degree. REQUIRED BEFORE INTERNSHIP.

STUDENT LEARNING OUTCOMES (INTASC STANDARDS)

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/her practice, particularly the effects of his/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.

SCHEDULE

MASTER OF ARTS IN TEACHING - SECONDARY EDUCATION

Year 1

Required orientation: 9 a.m. on Oct. 9, 2021, at the School of Education

Term 1: Oct. 23 - Dec. 11, 2021

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| ED605 | FOUNDATIONS OF EDUCATION | 3 | FALL ONLY/ ALL YEARS |
| ED683 | CLASSROOM MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

Note: ED-699 may be on a weeknight.

Term 2: Jan. 22 - March 12, 2022

| Course | Course Title | Credits | Term Offered |
|--------|-------------------|---------|---------------------------|
| ED607 | LEARNING THEORIES | 3 | SPRING ONLY/ ALL YEARS |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

Note: ED-699 may be on a weeknight.

One of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------------|
| ED616A | SECONDARY TEACHING METHODS - LANGUAGE ARTS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616B | SECONDARY TEACHING METHODS - SOCIAL SCIENCE | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616C | SECONDARY TEACHING METHODS-MATHEMATICS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616D | SECONDARY TEACHING METHODS - SCIENCE | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616E | SECONDARY TEACHING METHODS - BUSINESS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616F | SECONDARY TEACHING METHODS - FINE ARTS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616G | SECONDARY TEACHING METHODS - HOME ECONOMICS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616H | SECONDARY TEACHING METHODS - HEALTH/PE | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616I | SECONDARY TEACHING METHODS - FOREIGN LANGUAGE | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616J | SECONDARY TEACHING METHODS - | 3 | SPRING/ SUMMER/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

INSTRUCTIONAL
TECHNOLOGY

Term 3: March 26 - May 14, 2022

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|---|---|-------------|
| ED655 | PHILOSOPHIES AND PRACTICES IN SPECIAL EDUCATION | 3 | AS REQUIRED |
|-------|---|---|-------------|

| | | | |
|-------|-------------------------|---|---------------------------|
| ED608 | CLASSROOM ASSESSMENT | 3 | SPRING ONLY/ ALL YEARS |
|-------|-------------------------|---|---------------------------|

| | | | |
|-------|-------------------|-------|---------------------------|
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |
|-------|-------------------|-------|---------------------------|

Note: ED-699 may be on a weeknight.

Term 4: May 31 - July 1, 2022 (M-F)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|--|---|----------------------|
| ED606 | CHILD AND ADOLESCENT DEVELOPMENT | 3 | SUMMER/ ALL YEARS |
|-------|--|---|----------------------|

| | | | |
|-------|--|---|----------------------|
| ED609 | INSTRUCTIONAL TECHNOLOGY IN THE SECONDARY CLASSROOMS | 3 | SUMMER/ ALL YEARS |
|-------|--|---|----------------------|

Year 2

Term 5: Aug. 20 - Dec. 10, 2022

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|-------------|-------|-----------------------------|
| ED698 | INTERNSHIP: | 3 - 6 | FALL/SPRING/ AS REQUIRED |
|-------|-------------|-------|-----------------------------|

| | | | |
|-------|--|---|-------------------------|
| ED617 | ACTION RESEARCH IN SECONDARY SETTINGS | 3 | FALL ONLY/ ALL YEARS |
|-------|--|---|-------------------------|

Term 6: Jan. 21 - May 13, 2023

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|--------------|
|--------|--------------|---------|--------------|

| | | | |
|-------|--------------------|-------|---------------------------|
| ED690 | SPECIAL PROJECT | 3 - 6 | FALL/SPRING/ ALL YEARS |
|-------|--------------------|-------|---------------------------|

Commencement: May 21, 2023

(Provided all requirements are met)

MASTER OF ARTS IN TEACHING - ELEMENTARY EDUCATION

Year 1

Required orientation: 9 a.m. on Oct. 9, 2021, at the
School of Education

Term 1: Oct. 23 - Dec. 11, 2021

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------|---------|---------------------------|
| ED605 | FOUNDATIONS OF EDUCATION | 3 | FALL ONLY/ ALL YEARS |
| ED683 | CLASSROOM MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

Note: ED-699 may be on a weeknight.

Term 2: Jan. 22 - March 12, 2022

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED607 | LEARNING THEORIES | 3 | SPRING ONLY/ ALL YEARS |
| ED618 | INSTRUCTIONAL STRATEGIES FOR ELEMENTARY EDUCATORS | 2 | AS REQUIRED |
| ED648 | INTEGRATED METHODOLOGIES: HEALTH AND PHYSICAL EDUCATION | 1 | AS REQUIRED |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

Note: ED-699 may be on a weeknight.

Term 3: March 26 - May 14, 2022

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED655 | PHILOSOPHIES AND PRACTICES IN SPECIAL EDUCATION | 3 | AS REQUIRED |
| ED608 | CLASSROOM ASSESSMENT | 3 | SPRING ONLY/ ALL YEARS |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

Note: ED-699 may be on a weeknight.

Term 4: May 31 - July 1, 2022 (M-F)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|--------------|
| ED659 | INTEGRATED METHODOLOGIES FOR ELEMENTARY MATH AND SCIENCE | 3 | AS REQUIRED |
| ED639 | INTEGRATED METHODOLOGIES: LITERACY AND SOCIAL STUDIES | 3 | AS REQUIRED |

Year 2

Term 5: Aug. 20 - Dec. 10, 2022

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-----------------------------|
| ED698 | INTERNSHIP: | 3 - 6 | FALL/SPRING/ AS REQUIRED |
| ED617 | ACTION RESEARCH IN SECONDARY SETTINGS | 3 | FALL ONLY/ ALL YEARS |

Term 6: Jan. 21 - May 13, 2023

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| ED690 | SPECIAL PROJECT | 3 - 6 | FALL/SPRING/ ALL YEARS |

Commencement: May 21, 2023

(Provided all requirements are met)

**Course schedules are subject to change based on
program enrollment.**

DEGREE REQUIREMENTS

MASTER'S DEGREE REQUIREMENTS

COURSE REQUIREMENTS (39 CREDIT HOURS)

Professional Knowledge (18 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED605 | FOUNDATIONS OF EDUCATION | 3 | FALL ONLY/ ALL YEARS |
| ED607 | LEARNING THEORIES | 3 | SPRING ONLY/ ALL YEARS |
| ED608 | CLASSROOM ASSESSMENT | 3 | SPRING ONLY/ ALL YEARS |
| ED655 | PHILOSOPHIES AND PRACTICES IN SPECIAL EDUCATION | 3 | AS REQUIRED |
| ED683 | CLASSROOM MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

Pedagogical Knowledge (9 credit hours)

Choose between Elementary Education and Secondary Education.

ELEMENTARY EDUCATION

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|--------------|
| ED618 | INSTRUCTIONAL STRATEGIES FOR ELEMENTARY EDUCATORS | 2 | AS REQUIRED |
| ED639 | INTEGRATED METHODOLOGIES: LITERACY AND SOCIAL STUDIES | 3 | AS REQUIRED |
| ED648 | INTEGRATED METHODOLOGIES: HEALTH AND PHYSICAL EDUCATION | 1 | AS REQUIRED |
| ED659 | INTEGRATED METHODOLOGIES FOR ELEMENTARY MATH AND SCIENCE | 3 | AS REQUIRED |

SECONDARY EDUCATION

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------|
| ED606 | CHILD AND ADOLESCENT DEVELOPMENT | 3 | SUMMER/ ALL YEARS |
| ED609 | INSTRUCTIONAL TECHNOLOGY IN THE SECONDARY CLASSROOMS | 3 | SUMMER/ ALL YEARS |

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------------|
| ED616A | SECONDARY TEACHING METHODS - LANGUAGE ARTS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616B | SECONDARY TEACHING METHODS - SOCIAL SCIENCE | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616C | SECONDARY TEACHING METHODS- MATHEMATICS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616D | SECONDARY TEACHING METHODS - SCIENCE | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616E | SECONDARY TEACHING METHODS - BUSINESS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616F | SECONDARY TEACHING METHODS - FINE ARTS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616G | SECONDARY TEACHING METHODS - HOME ECONOMICS | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616H | SECONDARY TEACHING METHODS - HEALTH/PE | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED616I | SECONDARY TEACHING METHODS - FOREIGN LANGUAGE | 3 | SPRING/ SUMMER/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------------|
| ED616J | SECONDARY TEACHING METHODS - INSTRUCTIONAL TECHNOLOGY | 3 | SPRING/ SUMMER/ ALL YEARS |

Practice and Research (12 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|-----------------------------|
| ED698 | INTERNSHIP: | 3 - 6 | FALL/SPRING/ AS REQUIRED |
| ED617 | ACTION RESEARCH IN SECONDARY SETTINGS | 3 | FALL ONLY/ ALL YEARS |
| ED690 | SPECIAL PROJECT | 3 - 6 | FALL/SPRING/ ALL YEARS |

GRADUATE CERTIFICATE REQUIREMENTS

The School of Education offers a Certificate in Teaching designed to prepare graduate students as certified elementary or secondary classroom teachers. This program includes theory, pedagogy, and an intense practicum and internship. Coursework toward teacher certification is completed in 16 months. The student enrolls at UOG as a Graduate, Non-degree seeking student. The student must be admitted into Graduate School following all university policies and procedures. All coursework must be completed to receive a UOG Endorsement recommendation. Coursework can be applied to the Master of Arts in Teaching (MAT) program in accordance with UOG Graduate School rules and regulations. Measured outcomes are the above InTASC standards.

COURSE REQUIREMENTS (30 CREDIT HOURS)

Professional Knowledge (15 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED605 | FOUNDATIONS OF EDUCATION | 3 | FALL ONLY/ ALL YEARS |
| ED607 | LEARNING THEORIES | 3 | SPRING ONLY/ ALL YEARS |
| ED608 | CLASSROOM ASSESSMENT | 3 | SPRING ONLY/ ALL YEARS |
| ED655 | PHILOSOPHIES AND PRACTICES IN SPECIAL EDUCATION | 3 | AS REQUIRED |
| ED683 | CLASSROOM MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |

Pedagogical Knowledge (9 credit hours)

Choose between Elementary Education and Secondary Education.

ELEMENTARY EDUCATION

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|--------------|
| ED618 | INSTRUCTIONAL STRATEGIES FOR ELEMENTARY EDUCATORS | 2 | AS REQUIRED |
| ED639 | INTEGRATED METHODOLOGIES: LITERACY AND SOCIAL STUDIES | 3 | AS REQUIRED |
| ED648 | INTEGRATED METHODOLOGIES: HEALTH AND PHYSICAL EDUCATION | 1 | AS REQUIRED |
| ED659 | INTEGRATED METHODOLOGIES FOR ELEMENTARY MATH AND SCIENCE | 3 | AS REQUIRED |

SECONDARY EDUCATION

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|----------------------|
| ED606 | CHILD AND ADOLESCENT DEVELOPMENT | 3 | SUMMER/ ALL YEARS |
| ED609 | INSTRUCTIONAL TECHNOLOGY IN THE SECONDARY CLASSROOMS | 3 | SUMMER/ ALL YEARS |

Practice and Research (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------|---------|-----------------------------|
| ED698 | INTERNSHIP: | 3 - 6 | FALL/SPRING/ AS REQUIRED |

FACULTY

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MASTER OF EDUCATION

OVERVIEW

The basic mission of the Master of Education Program is to develop professionals who can provide leadership support to schools and districts, particularly in the multicultural context of Guam and Micronesia in the areas of the respective specializations. The programs will develop professionals who have competency to lead and teach in the elementary and secondary level schools involving students in a multicultural and multilingual environment. Where appropriate, the M.Ed. candidates will meet certification standards in Guam and Micronesia. The professional is also prepared to go on for advanced study or to complete training at the doctoral level.

The Master of Education degree includes specialization areas in Administration and Supervision, Innovations in Teaching and Learning, Reading, Teaching English to Speakers of Other Languages (TESOL), and Special Education. The M.Ed. degree is designed for certified teachers seeking advanced knowledge of teaching and learning in a specific area. Students seeking teacher certification should obtain a Guam Commission on Educator Certification (GCEC) teacher certification evaluation before developing a program of study. Students completing the Administration and Supervision degree will be able to apply for certification in that field from the GCEC.

Students should contact an advisor for information about the program in which they are interested.

ADMISSION

PREREQUISITE FOR ADMISSION

Applicants must meet all University requirements stated in the Academic Regulations section of this Bulletin, including:

1. A minimum 3.0 cumulative undergraduate GPA or 3.0 graduate cumulative GPA based on a minimum of 9 graduate credit hours
2. Submit an admissions packet to the Graduate Program chair of the M.Ed. specialization to include the following:
 - a. a letter of intent between 300-500 words of accomplishments, interests, and goals relating to education and the M.Ed. specialization
 - b. two letters of recommendation that speak to the candidate's professional expertise, academic potential, and ability to work with others.
3. A completed Graduate Program Entry form.

Contact the School of Education Dean's Office for more information.

CONTINUING REQUIREMENTS

Maintain 3.0 GPA for all coursework in the M.Ed. program. The School of Education is responsible for the academic advisement of its graduate students. Candidates are required to maintain an online, electronic portfolio. The portfolio will be used as a basis for assessment and advisement throughout the graduate studies experience and will be closely monitored at major decision points: entry, midpoint, and exit.

SPECIALIZATIONS AND DEGREE REQUIREMENTS

The School of Education offers a Master of Education program with five areas of specialization, all of which are designed to prepare students for advanced roles in the field of Education:

1. **Administration and Supervision (33 credit hours)**
2. **Reading (online) (36 or 45 credit hours)**
 - Thesis / Special Project option
3. **Innovations in Teaching and Learning (33 credits)**
4. **Special Education (33 credits)**
5. **Teaching English to Speakers of Other Languages (TESOL) (33 credits)**
 - Option A: Thesis / Special Project
 - Option B: Non-Thesis

GRADUATE DOUBLE MAJORS IN EDUCATION

Students wishing to complete a double major in two areas of Education may do so by completing the following requirements:

1. Core Courses: 6 or 9 credits.
2. Two Areas of Specialization Coursework. Note: Elective courses may be taken in second area of specialization.
3. PRAXIS II covering both areas of specialization.
4. Thesis or Special Project option (6 credits) to include both areas.

Students electing to Double Major will receive one degree with both areas of study listed on the transcript.

THESIS AND SPECIAL PROJECT DESCRIPTIONS

Definitions and descriptions of the scope and format for Special Project and Thesis requirements appear in the Degree Requirements of this Bulletin. A student in consultation with his or her advisor will decide upon which requirement will best meet student and program goals.

MASTER OF EDUCATION: ADMINISTRATION AND SUPERVISION

OVERVIEW

OBJECTIVES

The specialization is designed to prepare professionals to meet the following objectives:

- Students will gain the knowledge and ability to promote success among his or her students.
- Students will have the knowledge and ability to organize school operations and resources that promote a safe, efficient, and effective learning environment.
- Students will respond to diverse community interests, needs, and the ability to mobilize community resources.
- Students will have the knowledge to promote the success of all students by understanding, responding to, and influencing the larger political, social, economic, legal, and cultural venues.

After the completion of this program, graduates find gainful employment as school principals in Guam, U.S. mainland, and international P-12 school settings.

PROGRAM LEARNING OUTCOMES

1. A building-level education leader applies knowledge that promotes the success of every student by collaboratively facilitating the development, articulation, implementation, and stewardship of a shared school vision of learning through the collection and use of data to identify school goals, assess organizational effectiveness, and implement school plans to achieve school goals; promotion of continual and sustainable school improvement; and evaluation of school progress and revision of school plans supported by school-based stakeholders.
2. A building-level education leader applies knowledge that promotes the success of every student by sustaining a school culture and instructional program conducive to student learning through collaboration, trust, and a personalized learning environment with high expectations for students; creating and evaluating a comprehensive, rigorous and coherent curricular and instructional school program; developing and supervising the instructional and leadership capacity of school staff; and promoting the most effective and appropriate technologies to support teaching and learning within a school environment.
3. A building-level education leader applies knowledge that promotes the success of every student by ensuring the management of the school organization, operation, and resources through monitoring and evaluating the school management and operational systems; efficiently using human, fiscal, and technological resources in a school environment; promoting and protecting the welfare and safety of school students and staff; developing school capacity for distributed leadership; and ensuring that teacher and organizational time is focused to support high-quality instruction and student learning.
4. A building-level education leader applies knowledge that promotes the success of every student by collaborating with faculty and community members, responding to diverse community interests and needs, and mobilizing community resources on behalf of the school by collecting and analyzing information pertinent to improvement of the school's educational environment; promoting an understanding, appreciation, and use of the diverse cultural, social, and intellectual resources within the school community; building and sustaining positive school relationships with families and caregivers; and cultivating productive school relationships with community partners.
5. A building-level education leader applies knowledge that promotes the success of every student by acting with integrity, fairness, and in an ethical manner to ensure a school system of accountability for every student's academic and social success by modeling school principles of self-awareness, reflective practice, transparency, and ethical behavior as related to their roles within the school; safeguarding the values of democracy, equity, and diversity within the school; evaluating the potential moral and legal consequences of decision making in the school; and promoting social justice within the school to ensure that individual student needs inform all aspects of schooling.
6. A building-level education leader applies knowledge that promotes the success of every student by understanding, responding to, and influencing the



larger political, social, economic, legal, and cultural context through advocating for school students, families, and caregivers; acting to influence local, district, state, and national decisions affecting student learning in a school environment; and anticipating and assessing emerging trends and initiatives in order to adapt school-based leadership strategies.

7. A building-level education leader applies knowledge that promotes the success of every student through a substantial and sustained educational leadership internship experience that has school-based field experiences and clinical internship practice within a school setting and is monitored by a qualified, on-site mentor.

DEGREE REQUIREMENTS

SPECIFIC PREREQUISITE

Students who wish to be admitted to this specialization must have:

1. an undergraduate degree in Professional Education, or its equivalent as approved by the School of Education and
2. three years of fulltime P-12 classroom teaching experience.

COURSE REQUIREMENTS (33 CREDIT HOURS)

Core Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| ED601 | INTRODUCTION TO RESEARCH METHODS | 3 | FALL/SPRING/ ALL YEARS |
| ED602 | QUALITATIVE INQUIRY IN EDUCATION | 3 | SPRING ONLY/ ALL YEARS |
| ED603 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ALL YEARS |

Electives (3 credit hours)

Graduate level course from any college with the approval of Program Chair is an option for electives. However, students who wish to complete a graduate special project (3 credits) need one more elective course.

Areas of Specialization (15 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------------|---------|-----------------------------|
| ED610 | SCHOOL LEADERSHIP AND ADMINISTRATION | 3 | FALL ONLY/ ALL YEARS |
| ED611 | SCHOOL PERSONNEL MANAGEMENT | 3 | SPRING ONLY/ ALL YEARS |
| ED612 | SCHOOL LAW | 3 | SPRING ONLY/ ALL YEARS |
| ED613 | SCHOOL FINANCIAL MANAGEMENT | 3 | FALL ONLY/ ALL YEARS |
| ED698 | INTERNSHIP: | 3 - 6 | FALL/SPRING/ AS REQUIRED |

Thesis or Graduate Special Project (6 credit hours)

Capstone Portfolio and PRAXIS II with a score approved for licensure on Guam. Current requirements may be found at the Guam Commission for Educator Certification website: www.gcec.guam.gov (Required for all students).

OPTION 1:

Note: Two semesters of ED-695 must be completed for a total of six credits.

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| ED695 | THESIS: | 1 - 6 | FALL/SPRING/ ALL YEARS |
| ED695 | THESIS: | 1 - 6 | FALL/SPRING/ ALL YEARS |
| ED697 | COMPREHENSIVE EXAM | 0 | FALL/SPRING/ ALL YEARS |

OPTION 2:

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| ED690 | SPECIAL PROJECT | 3 - 6 | FALL/SPRING/ ALL YEARS |
| ED697 | COMPREHENSIVE EXAM | 0 | FALL/SPRING/ ALL YEARS |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

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MASTER OF EDUCATION: INNOVATIONS IN TEACHING & LEARNING

OVERVIEW

OBJECTIVES

This specialization is designed to inspire and guide veteran certified teachers to refine their teaching approaches to align with best practices and district and national objectives. This specialization also highlights practice and value of teachers as reflectors and researchers.

Goals of the program includes:

- Candidates will refine professional teaching and learning philosophy to foster success among his or her student population.
- Candidates will enhance ability to execute best practices to foster success among his or her student population.
- Candidates will refine ability to blend teaching approaches with district educational initiatives.
- Candidates will refine understanding of familial, community, and systemic situations to best contribute in leadership opportunities.

After the completion of this program, graduates continue gainful employment as rejuvenated educators with an increased sense of leadership.

PROGRAM LEARNING OUTCOMES

Five Core Propositions underscored the accomplished teacher's commitment to advancing student achievement. Together, the propositions form the basis of all National Board Standards and the Learning Outcomes for this program.

1. Teachers are committed to students and their learning.
2. Teachers know the subjects they teach and how to teach those subjects to students.
3. Teachers are responsible for managing and monitoring student learning.

4. Teachers think systematically about their practice and learn from experience.

5. Teachers are members of learning communities.

DEGREE REQUIREMENTS

COURSE REQUIREMENTS (33 credit hours)

Core Courses (6 credit hours)

Choose one course from each set

SET 1

Choose **one** of the following:

| Course | Course Title | Credits | Term Offered |
|--------|---------------------------------------|---------|---------------------------|
| ED601 | INTRODUCTION TO RESEARCH METHODS | 3 | FALL/SPRING/ ALL YEARS |
| ED617 | ACTION RESEARCH IN SECONDARY SETTINGS | 3 | FALL ONLY/ ALL YEARS |

SET 2

Choose **one** of the following:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| ED602 | QUALITATIVE INQUIRY IN EDUCATION | 3 | SPRING ONLY/ ALL YEARS |
| ED603 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ALL YEARS |

Electives (6 credit hours)

Choose two courses below, **or** graduate-level course from any college with the approval of program faculty.

| Course | Course Title | Credits | Term Offered |
|--------|--------------------------------|---------|---------------------------|
| ED671 | ISSUES AND TRENDS IN EDUCATION | 3 | FALL ONLY/ ALL YEARS |
| ED699 | SPECIAL TOPICS | 1 - 3 | FALL/SPRING/ ALL YEARS |

Specialization Courses (15 credit hours)

Courses in this area would be those in a student's teaching content area and would be approved and selected in conjunction with the academic advisors in the appropriate content areas (SOE and CLASS or CNAS or SBPA). For example, in the content area of social studies, the student should select courses in the M.A. program in Micronesian Studies or graduate level courses in history, political science, anthropology, etc.

PRAXIS II with a passing score approved for licensure on Guam. Current requirements (May 11, 2010) may be found at the Guam Commission for Educator Certification website: www.gcec.guam.gov (required for all students) and Oral Examination.

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------------|
| ED689 | ENRICHING THE LEARNING EXPERIENCE | 3 | SPRING ONLY/ ALL YEARS |
| ED632 | COMPUTER APPLICATIONS, GRAPHICS AND DESKTOP PUBLICATION | 3 | AS REQUIRED |
| ED604 | RESOURCES FOR TEACHING AND LEARNING THROUGH GRANT WRITING | 3 | SUMMER/ ALL YEARS |
| ED616J | SECONDARY TEACHING METHODS - INSTRUCTIONAL TECHNOLOGY | 3 | SPRING/ SUMMER/ ALL YEARS |
| ED669 | CULTURE AND ITS INFLUENCE ON EDUCATION | 3 | AS REQUIRED |

Or graduate-level course with approval from program chair.

Thesis or Graduate Special Project (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| ED691 | OVERVIEW SEMINAR: | 3 | FALL/SPRING/ ALL YEARS |
| ED697 | COMPREHENSIVE EXAM | 0 | FALL/SPRING/ ALL YEARS |

Choose **one** of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------|---------|---------------------------|
| ED690 | SPECIAL PROJECT | 3 - 6 | FALL/SPRING/ ALL YEARS |
| ED695 | THESIS: | 1 - 6 | FALL/SPRING/ ALL YEARS |

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MASTER OF EDUCATION: READING

OVERVIEW

OBJECTIVES

The School of Education offers a master's degree with a specialization in Reading as an Online Program. The program offers the same rigor and academic quality as a traditional face-to-face degree program yet offers the convenience of online learning that fits the schedule of a busy professional. The online program allows you to learn from the comfort of your own home or nearby school or library at a time that is convenient for you. We believe students will find the program both engaging and meaningful. This specialization is designed to prepare professionals in the field of reading/literacy who are interested in becoming highly effective teachers and specialists in reading and language arts. A thesis or special project is recommended for students who anticipate further study at the doctoral level. Reading faculty will conduct an admissions interview as an entry-level assessment for new applicants.

This specialization is designed to prepare professionals for the following roles:

1. To develop students' literacy (reading and writing) in language arts and across the curriculum, with an emphasis on pre-school, elementary and secondary years.
2. To assess and instruct students with diverse literacy needs in regular classrooms, as well as specialized settings (developmental or basic classes, ESL classes, special education classes, adult literacy centers, etc.).
3. To participate as a member of a professional learning community, reflecting on practice and contributing to the improvement of instructional programs, advancement of knowledge and practice of colleagues.

Graduates find diverse professional positions, with the majority serving in schools as classroom teachers, reading/language arts resource teachers, special education teachers, and school consultants. Some become diagnosticians and reading specialists in clinical settings or private practice, and some go on to doctoral study.

In addition to course work that integrates theory and practice, students will diagnose and instruct individuals who have reading and writing problems.

PROGRAM LEARNING OUTCOMES

Upon completion of the program, graduates will be able to:

1. Articulate the theoretical and evidence-based foundations of reading and writing processes and instruction.
2. Use instructional approaches, materials, and an integrated, comprehensive, balanced curriculum to support student learning in reading and writing.
3. Use a variety of assessment tools and practices to plan and evaluate effective reading and writing instruction.
4. Create and engage their students in literacy practices that develop awareness, understanding, respect, and a valuing of differences in our society.
5. Create a literate environment that fosters reading and writing by integrating foundational knowledge, instructional practices, approaches and methods, curriculum materials, and the appropriate use of assessments.
6. Facilitate professional learning and leadership as a career-long effort and responsibility.

DEGREE REQUIREMENTS

PREREQUISITE

A student who wishes to be admitted into this specialization must have a bachelor's degree in Education or a related field (e.g. psychology, English, linguistics, etc.); and teaching experience of one or more years. Note that a teaching certificate is required for those wishing to teach at the elementary or secondary levels in the Guam Public School System.

COURSE REQUIREMENTS (36 AND 45 CREDIT HOURS)

36 credit hours – for students who do not choose to complete a thesis/special project
45 credit hours – for students who choose to complete a thesis/special project

Core Courses (3 or 6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| ED601 | INTRODUCTION TO RESEARCH METHODS | 3 | FALL/SPRING/ ALL YEARS |

For students who wish to complete a thesis or special project, choose one:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| ED602 | QUALITATIVE INQUIRY IN EDUCATION | 3 | SPRING ONLY/ ALL YEARS |
| ED603 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ALL YEARS |

Areas of Specialization (30 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--|---------|-----------------------------|
| ED484G | THE ART AND CRAFT OF TEACHING WRITING | 3 | Intersession/ ALL YEARS |
| ED640 | LANGUAGE AND LITERACY DEVELOPMENT | 3 | SUMMER/ ALL YEARS |
| ED641 | MIDDLE/ SECONDARY READING AND WRITING IN CONTENT AREAS | 3 | SUMMER/ ALL YEARS |
| ED642 | SEMINAR IN LITERATURE FOR CHILDREN AND YOUNG ADULTS | 3 | SUMMER/ ALL YEARS |
| ED643 | PRACTICUM: LITERACY ASSESSMENT | 3 | FALL ONLY/ ALL YEARS |
| ED644 | PRACTICUM: LITERACY INSTRUCTIONAL LAB | 3 | SPRING ONLY/ ALL YEARS |
| ED645 | ADVANCED METHODS IN PK-12 SCHOOL LITERACY | 3 | FALL ONLY/ ALL YEARS |
| ED646 | THE ORGANIZATION AND SUPERVISION OF READING PROGRAMS | 3 | SPRING ONLY/ AS REQUIRED |
| ED647 | ISSUES & RESEARCH IN LITERACY EDUCATION | 3 | SUMMER/ ALL YEARS |

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED649 | CAPSTONE SEMINAR IN LANGUAGE AND LITERACY | 3 | FALL/SPRING/ ALL YEARS |

Technology and Literacy (3 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------|---------|--------------|
| ED638 | TEACHING WITH THE INTERNET | 3 | AS REQUIRED |

Thesis or Special Project (6 credit hours)

Capstone Portfolio and PRAXIS II for Reading Specialist required for students who seek Reading Specialist Certification.

OR

Capstone Portfolio and Written Comprehensive Exam required for students who do not seek Reading Specialist Certification.

ED-690 or ED-695 required only for those students who wish to complete a thesis or special project.

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| ED690 | SPECIAL PROJECT | 3 - 6 | FALL/SPRING/ ALL YEARS |
| ED695 | THESIS: | 1 - 6 | FALL/SPRING/ ALL YEARS |
| ED697 | COMPREHENSIVE EXAM | 0 | FALL/SPRING/ ALL YEARS |

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MASTER OF EDUCATION: SPECIAL EDUCATION

OVERVIEW

OBJECTIVES

The School of Education offers a master's degree with a specialization in the field of Special Education. The program is designed to develop highly qualified, advance level professionals in Special Education who serve the Guam community and the greater Pacific region.

PROGRAM LEARNING OUTCOMES

1. Assessment

Special education specialists use valid and reliable assessment practices to minimize bias.

2. Curricular Content Knowledge

Special education specialists use their knowledge of general and specialized curricula to improve programs, supports, and services at classroom, school, community, and system levels.

3. Programs, Services, and Outcomes

Special education specialists facilitate the continuous improvement of general and special education programs, supports, and services at the classroom,

school, and system levels for individuals with exceptionalities.

4. Research and Inquiry

Special education specialists conduct, evaluate, and use inquiry to guide professional practice.

5. Leadership and Policy

Special education specialists provide leadership to formulate goals, set and meet high professional expectations, advocate for effective policies and evidence-based practices, and create positive and productive work environments.

6. Professional and Ethical Practice

Special education specialists use foundational knowledge of the field and professional ethical principles and practice standards to inform special education practice, engage in lifelong learning, advance the profession, and perform leadership responsibilities to promote the success of professional colleagues and individuals with exceptionalities.

7. Collaboration

Special education specialists collaborate with stakeholders to improve programs, services, and outcomes for individuals with exceptionalities and their families.

COHORT SYSTEM

The graduate special education program is offered using the Cohort System. A maximum of 15 students may enroll in one of three Cohorts each year (June, August and January).

There are six terms each year:

- Term 1 and 2 (Fanuchånan Semester 2-8 week sessions)
- Term 3 and 4 (Fañomnåkan Semester 2-8 week sessions)
- Term 5 and 6 (Finakpo' Sessions 2-4 week sessions)

Classes are generally held on weekends in the Fanuchånan and Fañomnåkan, and on weekdays during the Finakpo'. Students will meet the requirements for GCEC Special Education Certification (K-12) and may complete the Master of Education in six terms (12 months).

All students seeking teaching certification must pass the PRAXIS CORE: Reading, Writing & Math, PRAXIS II – PLT (level determined by student) and PRAXIS II (0354-Special Education) examinations as required by GCEC. Those students seeking the Master of Education must pass the PRAXIS II (0354-Special Education) examination and complete the NCATE approved Electronic Portfolio to meet the Comprehensive Examination requirements. Additional coursework and internship may be required depending on the applicants' background. Students seeking teacher certification should obtain a GCEC Teacher Certification Evaluation before developing a program of study.

DEGREE REQUIREMENTS

SPECIFIC PREREQUISITES

Students wishing to be admitted to this specialization must have an earned baccalaureate degree in Education. Student with non-education baccalaureate degrees with teaching experience may also be admitted, however those with no teaching experience will be required to take nine hours of undergraduate coursework prior to enrolling in the program. The program chair must approve the program of study ("Graduate Program Entry" form) prior to the start of the program for all students.

COURSE REQUIREMENTS (33 credit hours)

Core Courses (9 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| ED601 | INTRODUCTION TO RESEARCH METHODS | 3 | FALL/SPRING/ ALL YEARS |
| ED654 | MULTICULTURAL SPECIAL EDUCATION | 3 | FALL ONLY/ ALL YEARS |

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|----------------------------------|---------|---------------------------|
| ED602 | QUALITATIVE INQUIRY IN EDUCATION | 3 | SPRING ONLY/ ALL YEARS |
| ED603 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ALL YEARS |

Area of Specialization (15 credit hours)

Students will develop their area of specialization with the approval of program chair.

Electives (3 credit hours)

Student selects one graduate course with the approval of program chair.

Research or Professional Track (6 credit hours)

THESIS OR SPECIAL PROJECT (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|---------------------------|
| ED691 | OVERVIEW SEMINAR: | 3 | FALL/SPRING/ ALL YEARS |
| ED697 | COMPREHENSIVE EXAM | 0 | FALL/SPRING/ ALL YEARS |

Choose one of the following:

| Course | Course Title | Credits | Term Offered |
|--------|-----------------|---------|---------------------------|
| ED690 | SPECIAL PROJECT | 3 - 6 | FALL/SPRING/ ALL YEARS |
| ED695 | THESIS: | 1 - 6 | FALL/SPRING/ ALL YEARS |

PROFESSIONAL TRACK (6 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|--------------------|---------|-----------------------------|
| ED691 | OVERVIEW SEMINAR: | 3 | FALL/SPRING/ ALL YEARS |
| ED698 | INTERNSHIP: | 3 - 6 | FALL/SPRING/ AS REQUIRED |
| ED697 | COMPREHENSIVE EXAM | 0 | FALL/SPRING/ ALL YEARS |

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MASTER OF EDUCATION: TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL)

OVERVIEW

OBJECTIVES

The School of Education offers a master's degree with a specialization in TESOL. The objectives of this program of study are to maintain a balance between theory and practice, and to fulfill a threefold purpose:

- 1.To train practitioners to enter the ESL classroom as professionals,
- 2.To provide a theoretical base which would enrich the formation of ESL classroom teachers and enable those who wish to further their studies at the doctoral level, and
- 3.To serve as a resource for other teachers to function as ESL trainers.

PROGRAM LEARNING OUTCOMES (TESOL STANDARDS)

1. Language

- a. Language as a System. Candidates demonstrate understanding of language as a system, including phonology, morphology, syntax, pragmatics and semantics, and support ELLs as they acquire English language and literacy in order to achieve in the content areas.
- b. Language Acquisition and Development. Candidates understand and apply theories and research in language acquisition and development to support their ELLs' English language and literacy learning and content-area achievement.

2. Culture

- a. Culture as it Affects Student Learning. Candidates know, understand and use major theories and research related to the nature and role of culture in their institution. They demonstrate understanding of how cultural groups and individual cultural identities affect language learning and school achievement.

3. Instruction

- a. Planning for Standards-Based ESL and Content Instruction. Candidates know, understand, and apply concepts, research, and best practices to plan classroom instruction in a supportive learning environment for ELLs. They plan for multilevel classrooms with learners from diverse backgrounds using standards-based ESL and content curriculum.
- b. Implementing and Managing Standards-Based ESL and Content Instruction. Candidates know, manage, and implement a variety of standards-based teaching strategies and techniques for developing and integrating English listening, speaking, reading, and writing. Candidates support ELLs' access to the core curriculum by teaching language through academic content.
- c. Using Resources and Technology Effectively in ESL and Content Instruction. Candidates are familiar with a wide range of standards-based materials, resources, and technologies, and

choose, adapt, and use them in effective ESL and content instruction.

4. Assessment

- a. Issues of Assessment for English Language Learners. Candidates demonstrate understanding of various assessment issues as they affect ELLs, such as accountability, bias, special education testing, language proficiency, and accommodations in formal testing situations.
- b. Language Proficiency Assessment. Candidates know and use a variety of standards-based language proficiency instruments to show language growth and to inform their instruction. They demonstrate understanding of their uses for identification, placement, and reclassification of ELLs.
- c. Classroom-Based Assessment for ESL. Candidates know and use a variety of performance-based assessment tools and techniques to inform instruction in the classroom.

5. Professionalism

- a. ESL Research and History. Candidates demonstrate knowledge of history, research, and educational public policy, and current practice in the field of ESL teaching and apply this knowledge to improve teaching and learning.
- b. Professional Development, Partnerships and Advocacy. Candidates take advantage of professional growth opportunities and demonstrate the ability to build partnerships with colleagues and students' families, serve as community resources, and advocate for ELLs.

IMPORTANT NOTICE: The M.Ed. TESOL degree does not lead to initial certification to teach in the Guam (or other U.S.) school system. Endorsement to teach ESL in the Guam school system will only be granted to teachers currently certified. Non-certified candidates are welcomed to apply to the M.Ed. TESOL program if they are not seeking endorsement or certification.

DEGREE REQUIREMENTS

SPECIFIC PREREQUISITES

In order to be admitted to this specialization, prospective student must have the prerequisites as currently stated in the catalog plus:

1. Native speaker of English or a score of 550 on the TOEFL.
2. A Bachelor's Degree with a major in English, Education, a foreign language, or a related field.
3. A teaching certificate for those wishing to teach at the elementary or secondary levels.

COURSE REQUIREMENTS (39 CREDIT HOURS)

Core Courses (30 credit hours)

A Finakpo' (May to August) practicum is required and is part of the coursework.

| Course | Course Title | Credits | Term Offered |
|--------|---|---------|---------------------------|
| ED582 | FOUNDATIONS OF TESOL | 3 | FALL ONLY/ ALL YEARS |
| ED583 | MATERIALS DESIGN AND EVALUATION | 3 | FALL ONLY/ ALL YEARS |
| ED584 | PHONETICS AND PHONOLOGY | 3 | FALL ONLY/ ALL YEARS |
| ED585 | ENGLISH GRAMMAR | 3 | FALL ONLY/ ALL YEARS |
| ED601 | INTRODUCTION TO RESEARCH METHODS | 3 | FALL/SPRING/ ALL YEARS |
| ED602 | QUALITATIVE INQUIRY IN EDUCATION | 3 | SPRING ONLY/ ALL YEARS |
| ED603 | QUANTITATIVE ANALYSIS | 3 | FALL ONLY/ ALL YEARS |
| ED660 | APPLIED LINGUISTICS | 3 | FALL ONLY/ ALL YEARS |
| ED661 | SECOND LANGUAGE CURRICULUM THEORY AND DEVELOPMENT | 3 | FALL ONLY/ ALL YEARS |
| ED662 | SECOND LANGUAGE TESTING AND EVALUATION | 3 | SPRING ONLY/ ALL YEARS |

Thesis (3 credit hours)

| Course | Course Title | Credits | Term Offered |
|--------|-----------------------|---------|---------------------------|
| ED695 | THESIS: | 1 - 6 | FALL/SPRING/ ALL YEARS |
| ED697 | COMPREHENSIVE EXAM | 0 | FALL/SPRING/ ALL YEARS |

A capstone Portfolio and PRAXIS II English to Speakers of Other Languages (ESOL) examination with a passing score approved for licensure on Guam is required for candidates seeking endorsement in ESL. Current requirements (May 11, 2010) may be found at the Guam Commission for Educator Certification website <http://www.gcec.guam.gov> (required for all students). In lieu of the PRAXIS II ESOL examination, candidates not seeking endorsement to teach ESL in the Guam school system will be required to take a written comprehensive examination at the end of their studies.

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COURSE INFORMATION (GRADUATE)

COURSE NUMBERING SYSTEM

The numbering system for graduate courses and student's eligibility for graduate credit has been determined as follows:

General Class-Level Designations

• 400G-499G

Courses in this category may also be found in the Undergraduate Catalog. Graduate students may include up to 10 semester hours of these courses, designated by the letter "G" after the course number, toward a graduate degree. Additional work beyond that required of undergraduates will be expected. No retroactive graduate credit will be given for a course in which the student registered for undergraduate credit. Under no circumstances can a course taken for credit as an undergraduate be repeated for graduate credit.

• 500-699

Courses in this category are primarily for graduate students. Qualified seniors may be allowed to enroll in graduate courses by special permission.

Special Course Designations

- 1.-**90 Series: Special Project.** Courses for individual students including special problems, special studies, and individual research (690 is for special project in lieu of thesis only).
- 2.-**91 Series: Seminar Courses.** Courses in which the burden or research and preparation are on the students and class activity is discussion-oriented.
- 3.-**92 Series: Practicum Courses.** Guided work experience supervised by a qualified professor or project director to whom the student reports at regular intervals.
- 4.-**93 Series: Workshops.** Courses administered by a group of specialists and dealing with various applied aspects of a discipline.
- 5.-**94 Series or on a trial basis: 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).

- 6.-**95 Series: Thesis.** Independent research culminating in a major research paper or project (e.g., master's thesis).

- 7.-**96 Series: Creative Thesis (Art Program only).** Independent creative work culminating in an original exhibition.

- 8.-**97 Series: Comprehensive Exam.** This a zero-credit C/NC course for students in programs requiring comprehensive or nationally standardized exams or other capstone requirements.

- 9.-**98 Series: Internship.** A training, residency or intern program in which the student works in a technical or professional area under the supervision of an expert in the field.

- 10.-**99 Series: Independent Reading.** A course of directed reading in a designated field or topic.

- 11.-**800 Series:** 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 master's degree. These courses may not be cross-listed with any other course. They shall appear on a separate transcript labelled "FOR PROFESSIONAL DEVELOPMENT."

SPECIAL PROJECT COURSES

Students enrolling for 590 or 690 course credits must complete "Special Project" course forms available from the Professional & International Programs Office. Students must take the form to the faculty member offering the course. The faculty member will assist in completing the form and sign the form. After obtaining the other required signatures, the formal registration and payment of required fees for these courses shall take place. If the

course is to be used for graduation requirements, grades must be submitted by the instructor on the required deadline. In addition, the required contact hours must also be met between the student and the instructor for academic credit. No more than nine credit hours of 590 and 690 course work can be accumulated toward graduate degree requirements. All other rules and regulations apply.

Students who have been accepted to graduate status may register for Special Project and Internship Courses through the ninth week of a regular semester or the third week of a finakpo' (June–Aug.) term. Graduate students must register for all other courses during regularly scheduled registration periods or drop/add periods.

CONFERENCE COURSES

Conference courses are courses described in this Bulletin but not listed on the official semester or term class schedule. A graduate student may enroll and study privately with the professor if the advisor, instructor, graduate program chair, appropriate academic dean or director approve the justification for such enrollment. A conference course will not be approved if the course already appears on the regular schedule of classes.

Application forms for a conference course can be obtained from the Professional & International Program Office. Students must first have the forms approved by the instructor. After obtaining the required signatures, the formal registration and payment of required fees for these courses shall take place. If the course is to be used for graduation requirements, grades must be submitted by the instructor on the required deadline. In addition, the required contact hours must also be met between the student and the instructor for academic credit. All other rules and regulations apply.

COURSE ABBREVIATIONS

The University reserves the right to cancel scheduled courses due to low enrollment. All courses are subject to the availability of resources.

| Subject | Abbreviation | School / College |
|-------------------------------|--------------|------------------|
| Agriculture and Life Sciences | AL | CNAS |

| Subject | Abbreviation | School / College |
|--------------------------|--------------|------------------|
| Anthropology | AN | CLASS |
| Business Administration | BA | SBPA |
| Biology | BI | CNAS |
| Chemistry | CH | CNAS |
| Education | ED | SOE |
| English | EN | CLASS |
| Geography | GE | CLASS |
| Health Sciences | HS | SNHS |
| History | HI | CLASS |
| Linguistics | LN | CLASS |
| Mathematics | MA | CNAS |
| Micronesian Studies | MI | CLASS |
| Natural Sciences | NS | CNAS |
| Philosophy | PI | CLASS |
| Psychology | PY | CLASS |
| Sociology | SO | CLASS |
| Women and Gender Studies | WG | CLASS |

GRADUATE BULLETIN

COURSE DESCRIPTIONS

The University reserves the right to cancel scheduled courses due to low enrollment. All courses are subject to the availability of resources.

Business & Public Administration

Courses for the Master of Public Administration and Professional Master of Business Administration degrees:

- BA – Business Administration
- PA – Public Administration

Education

Courses for the Master of Arts degrees in Counseling and Teaching and all Master of Education specialties:

- ED – Education
- PE – Physical Education

Humanities & Social Sciences

Courses for the Master of Arts in English, Master of Arts in Micronesian Studies, and Master of Science in Clinical Psychology degrees:

- AN – Anthropology
- EN – English
- GE – Geography
- HI – History
- LN – Linguistics
- MI – Micronesian Studies
- PI – Philosophy
- PY – Psychology
- SO – Sociology
- WG – Women and Gender Studies

Natural & Applied Sciences

Courses for Master of Science degrees in Biology, Environmental Science, and Sustainable Agriculture, Food, & Natural Resources degrees:

- AL – Agriculture and Life Sciences
- BI – Biology
- CH – Chemistry
- EV – Environmental Science
- HS – Health Science
- MA – Mathematics

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