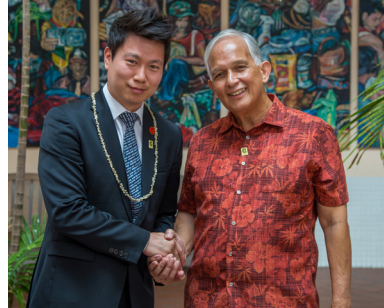




# 2018–2019 UNDERGRADUATE CATALOG



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**UNIVERSITY OF GUAM**

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

(Adopted on July 17, 2007, as Board of Regents Resolution No. 03-24)

The University of Guam (UOG) 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.

In case of questions or concerns regarding this policy, please contact:

Joseph B. Gumataotao, Director  
Equal Employment Opportunity (EEO)/  
Americans with Disabilities Act of 1990 (ADA) and Title IX Office 303 University Drive  
Mangilao, GU 96923  
Telephone No.: (671) 735-2244  
Telephone Device for the Deaf (TDD) No.: (671) 735-2243 Email: [eeo-ada@triton.uog.edu](mailto:eeo-ada@triton.uog.edu)

*The University of Guam is accredited by:*

*The Western Association of Schools and Colleges  
Senior Colleges and University Commission*

*985 Atlantic Avenue, Suite 100*

*Alameda, CA 94501*

*Phone: 1-510-748-9001*

*Fax: 1-510-748-9797*

*Contact: <https://www.wscuc.org/contact>*

*Website: <https://www.wscuc.org/>*

## **UNIVERSITY OF GUAM POLICY AND PROCEDURE FOR STUDENTS AND APPLICANTS WITH A DISABILITY**

(BOR Resolution No. 10-11, April 22, 2010)

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

The University offers reasonable accommodation for students in accordance with the UOG Policy and Procedure for students and applicants with a disability. The ADA Office can be contacted at telephone number (671) 735-2244 or Telephone Device for the Deaf (TDD) number (671) 735-2243. Students who seek academic accommodations are expected to contact the coordinator well in advance of the commencement of courses, and to provide the requested supporting information to the Coordinator at least four weeks before classes begin. The ADA policy can be found on the University's website: <http://www.uog.edu/administration/office-of-the-president/eoadatitle-ix-office>

### **EQUAL OPPORTUNITY STATEMENT**

The University is an equal opportunity employer and is firmly committed to non-discrimination in its hiring, termination, compensation, promotion decisions and in all other employment decisions and practices and in the application of its personnel policies and collective bargaining agreements. Harassment based on race, sexual orientation, gender, national origin, color, religion, religious creed, age, disability, citizenship status, military service status, or any other status protected by law, is also prohibited by University policy. Prohibited harassment, in any form, is a violation of University policy and will not be tolerated.

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. Ultimately it is not laws, regulations, or policies that create a quality equal opportunity environment, it is people respecting and encouraging other people.

### **TITLE IX COMPLIANCE STATEMENT**

The University of Guam does not discriminate on the basis of sex in the admission to or employment in its education programs or activities. Inquiries concerning the application of Title IX and its implementing regulations may be referred to the University's Title IX Coordinator, located at the EEO/ADA Office, Dorm II, Iya Hami Hall, Room 104, Tel. No. 735-2244, TTY: 735-2243; or to the Office of Civil Rights (OCR).

#### **NOTE TO THE READER**

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

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



## **A MESSAGE FROM THE PRESIDENT**

Hafa Adai and welcome to the University of Guam/Unibetsedát Guåhan!

UOG has a mission: Ina, Diskubre, Setbe: to Enlighten, to Discover, and to Serve. In joining this academic community, you commit yourself to this mission and to becoming a scholar, with all the rights, responsibilities, and expectations that membership in an academic community entails.

As a flagship, land-grant university serving island communities of more than half a million people in Guam, the Northern Marianas, the Federated States of Micronesia, Republic of the Marshall Islands, and the Republic of Palau, UOG is a unique institution that combines a commitment to the highest standards of American higher education with the mission to serve the special needs and character of Guam and its neighboring island communities covering nearly 3 million square miles of the Western Pacific. For more than 65 years, UOG has prepared the leaders, creators, innovators, and thinkers for this extraordinary region of the globe with a strong commitment to academic excellence and student success.

Academic excellence is dependent on feeling welcome, safe, and respected. As a member of the UOG community, you will be expected to adhere to the UOG Code of Honor, which requires us all to treat others with respect and regard, to maintain our academic integrity and truthfulness, and to avoid the mistreatment of others for any reason. A strong sense of belonging to UOG is the cornerstone for your success, and we are all committed to helping you feel a part of the Triton community. Please do your part to help others feel a strong sense of belonging at UOG.

Your time spent as a student at UOG will not only prepare you for a successful career or for advancement in a career you've already embarked upon, but it will also open your mind to new ways of perceiving the world and your place in it. Please do take full advantage of all that UOG has to offer. All of us here—the faculty, the staff, and the administrators—want to be here because we want to help you to become the very best version of yourself. We want you to succeed in work and in life, and we know how to help you. We'll do our best to reach out to you, but please help us by reaching out to us, too.

I am glad you have chosen to join us and our important mission at UOG. You will be challenged, you will be inspired, and you will be amazed.

**Biba UOG!**

Dr. Thomas W. Krise,  
President



## **A MESSAGE FROM THE SENIOR VICE PRESIDENT FOR ACADEMIC AND STUDENT AFFAIRS**

Büenas yan Håfa Adai! On behalf of the faculty, staff, and administration of the Office of Academic and Student Affairs, I want to welcome you to the University of Guam (UOG)!

Your academic journey as an UOG Triton (student) should begin with a thorough understanding of our Undergraduate Catalog, which serves as your roadmap that explains the various undergraduate degree programs of the University of Guam, information on academic rules and procedures, and supplementary information on services and resources available to our students.

The University is committed to our mission: Ina, Diskubre, Setbe – To Enlighten, To Discover, To Serve. As a U.S. Land Grant institution of higher learning, UOG prides itself on being a relevant and premier regionally accredited American university strategically situated in Micronesia and the crossroads of Asia and the Pacific. Our strategic intent is to ensure student success through our quality programs and comprehensive student support services, and to expose our students to unique value-added experiences and academic rigor that strengthen the overall meaning and quality of your undergraduate degree.

The University is committed to student success and academic excellence. We embark on strengthening the student experience and hope you will take advantage of course-related or student-related travel experiences, research opportunities with faculty or research centers, course-based service learning and engaging opportunities to build your personal portfolio and maximize your quality experiences with us. Learn about the myriad of student organizations at our Student Life Office and participate in any one or a combination of them. Program specific internships, research projects, leadership conferences, and clinical and capstone experiences will also serve to strengthen your overall professional development within your respective degree program.

Together, with administrators, faculty and staff, UOG students enjoy individual rights and shared responsibilities to ensure a positive and safe campus environment. Members of the UOG community are expected to adhere to standards of behavior, respective University policies and applicable federal and local laws. It is through our understanding of these policies that we are informed of our individual rights; help us understand our responsibilities to one another; and remind us to always pursue truth and integrity.

At UOG, we want you to succeed. Take advantage of our professional Counseling staff at the Enrollment Management and Student Success (EMSS) Division located within the Student Center, as well as your college or school faculty advisors and advisement specialists. They, along with your EMSS Dean and your college or school Dean, are here to provide guidance and support along your academic journey and learn about the plethora of tutoring, scholarships, and other opportunities. Our institutional priority is to promote a very positive student experience that focuses on your successful academic and student success while at UOG.

Biba UOG Tritons!

Dr. Anita Borja Enriquez  
Senior Vice President, Academic and Student Affairs

## HONOR CODE STATEMENT/ SPECIAL MESSAGE TO UOG

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 its 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 which exhibit regard and respect for one another. We are all responsible to treat one another in a fair and equitable manner which does not discriminate nor takes 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 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.



## DEGREE PROGRAMS

The University of Guam offers degree programs within two colleges and three schools. Seven Baccalaureate (BA, BBA, B.A.Ed., BBAA, BS, BSN, and BSW) and six Master's (MA, M.A.T., M.Ed., MPA, MS, and PMBA) degrees are offered. All listings include majors and minors unless otherwise specified.

For more information about Master's degrees, see the UOG Graduate Bulletin or online at <http://www.uog.edu/course-catalog>

### COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

#### A. BACHELOR OF ARTS (B.A.)

1. Anthropology
2. Chamorro Studies Program
3. Communication (Tracks: Communication Studies and Public Relations, Journalism and Mass Media Studies)
4. English (Emphases: Literature, English for Education and Linguistics/ESL)
5. Fine Arts (Tracks: Art, Music and Theater)
6. Geography (Minor Only)
7. History (Tracks: History and History for Education)
8. Japanese Language (Minor Only)
9. Philosophy
10. Political Science (Tracks: Political Science for Education and Government for Education)
11. Psychology
12. Sociology
13. Women & Gender Studies (Minor and Certificate only)
14. Writing (Minor Only)

#### B. MASTER OF ARTS (M.A.)

1. English
2. Micronesian Studies (Major and Certificate)

#### C. MASTER OF SCIENCE (M.S.)

1. Clinical Psychology

### COLLEGE OF NATURAL AND APPLIED SCIENCES

#### A. BACHELOR OF SCIENCE (B.S.)

1. Agriculture and Life Sciences (Tracks: Agriculture and Natural Resources, Tropical Agriculture Production, Human Nutrition and Food Sciences, Child and Family Life Sciences)
2. Biology (Integrative Biology Track, Bio-Med Track, Applied Biology Track)
3. Chemistry (Tracks: Chemistry Track, Chemistry Pre-Pharmacy Track, Chemistry Teaching Track, Chemistry-Biology Dual Degree Track)
4. Computer Science
5. Mathematics

#### B. MASTER OF SCIENCE (M.S.)

1. Biology
2. Environmental Science
3. Sustainable Agriculture, Food, and Natural Resources

#### C. OTHER

1. Pre-medical, Pre-optometry, Pre-dental, and Pre-veterinary Programs
2. Pre-pharmacy
3. Crop and Environmental Protection Science (Minor Only)
4. Farm and Natural Resource Management (Minor Only)
5. Food Science (Minor Only)
6. Military Science (Minor Only)
7. Nutrition (Minor Only)
8. Tropical Horticulture (Minor Only)



## **SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION**

- A. BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING (BBAA)**
- B. BACHELOR OF BUSINESS ADMINISTRATION (BBA)**
- C. BACHELOR OF SCIENCE IN CRIMINAL JUSTICE (BSCJ)**
- D. BACHELOR OF SCIENCE IN PUBLIC ADMINISTRATION (BSPA)**
  - Health Services Administration (Minor and Certificate only)
- E. MASTER OF PUBLIC ADMINISTRATION (MPA)**
- F. PROFESSIONAL MASTER OF BUSINESS ADMINISTRATION (PMBA) On Ground and Online**

## **SCHOOL OF EDUCATION**

- A. BACHELOR OF ARTS IN EDUCATION (B.A.Ed.)**
  - 1. Elementary Education Major
  - 2. Secondary Education Major
- B. MASTER OF ARTS IN COUNSELING (M.A.)**
  - 1. School Counseling
  - 2. Community Counseling
- C. MASTER OF EDUCATION (M.Ed.)**
  - 1. Administration and Supervision
  - 2. Reading
  - 3. Secondary Education
  - 4. Special Education
  - 5. TESOL
- D. MASTER OF ARTS IN TEACHING (M.A.T.)**
- E. CERTIFICATE IN SECONDARY EDUCATION TEACHING**

## **SCHOOL OF ENGINEERING**

- 1. Pre-Engineering Science Program Entrepreneurship

## **SCHOOL OF NURSING AND HEALTH SCIENCES**

- A. BACHELOR OF SCIENCE IN NURSING (B.S.N.)**
- B. BACHELOR OF SCIENCE IN HEALTH SCIENCE (B.S.)**
  - Health Science Concentrations:
    - a. Exercise Science and Health Promotion
    - b. Pre-Physical Therapy
    - c. Public Health
- C. BACHELOR OF SOCIAL WORK (B.S.W.)**

## **RFK MEMORIAL LIBRARY**

- LIBRARY SCIENCE (Minor and Certificate Only)**

## 2018 - 2019 CALENDAR AT A GLANCE

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, first-time 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.

### Funuchánan - FALL 2018

- June 09 **Fall 2018 English Placement Test** – Last Names (A-C) 8:30 a.m., Last Names (D-L) 12:30 p.m. CLASS Lecture Hall. (For More Information, call 735-2725). Bring picture ID with Social Security Number and payment receipt from admissions application.
- June 16 **Fall 2018 English Placement Test** – Last Names (M-R) 8:30 a.m., Last Names (S-Z) 12:30 p.m. CLASS Lecture Hall. (For More Information, call 735-2725). Bring picture ID with Social Security Number and payment receipt from admissions application.
- June 12 & 13 **FALL 2018 Math Placement Test** by Last names – (A-C) 9am – 12pm & 1pm – 4pm, Computer Center Lab, Room 107A & 107B (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- June 14 & 15 **FALL 2018 Math Placement Test** by Last names – (D-L) 9am – 12pm & 1pm – 4pm, Computer Center Lab, Room 107A & 107B (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- June 16 & 19 **FALL 2018 Math Placement Test** by Last names – (M-R) 9am – 12pm & 1pm – 4pm, Computer Center Lab, Room 107A & 107B (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- June 20 & 21 **FALL 2018 Math Placement Test** by Last names – (S-Z) 9am – 12pm & 1pm – 4pm, Computer Center Lab, Room 107A & 107B (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- August 3 & 6 **FALL 2018 - Open Registration**  
13, & 14
- August 07 ~ 10 **New Student Registration for FALL 2018**  
**Senior Citizens notify Records Office of intent to participate in tuition waiver program.**
- August 15 **FALL 2018 Weekday Classes Begin**
- August 15-21 **FALL 2018 Schedule Adjustment (Drop & Add Courses)** - Make schedule adjustment at the Records office, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday) Cancellation Fees applies.
- August 18 **FALL 2018 Saturday Classes Begin**
- August 21 **Last day to register for Course by Conference for FALL 2018.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.  
**Deadline to Withdraw Without Transcript Records Entry for FALL 2018.**
- August 22 **Senior Citizen Tuition Program Registration for Eligible residents (55+). Contact# 734-2210/11**
- August 23 **Payment Deadline for Fall Registration:** Final payment for Fall 2018 Registration must be received by 4:00pm, August 23, 2018; 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 3 **Holiday - Labor Day\***
- October 3 **Last Day for Voluntary Withdrawal from FALL 2018 Classes with a Grade of "W"**
- October 10 **Deadline for Special Project and Credit by Exam for FALL 2018.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- November 2 **Holiday-All Soul's Day\***
- November 12 **Holiday - Veteran's Day\* Observed**
- November 22 **Holiday - Thanksgiving Day**
- November 22-24 **Thanksgiving Break\***
- December 6 **Deadline To Submit Petition To Withdraw From FALL 2018 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).
- Last day of instructions for FALL 2018.**
- December 7 **Holiday - Our Lady of Camarin Day\***
- December 10 **Final Exams-FALL 2018 Saturday classes**
- December 10~12 **Final Exams - FALL 2018 weekday classes**
- December 14 **FALL 2018 Semester Ends**  
**Grades Due for Prospective Graduating Students By 5PM.**
- December 03-17 **Faculty – Online Grade Posting**
- December 16 **FALL 2018 Commencement Ceremony**
- December 17 **Grades for All Students due By 5 P.M.**
- Tinalo - FALL INTERSESSION 2018**
- December 03–14 **Fall 2018 Intersession Registration**
- December 15 **FALL INTERSESSION 2018 BEGINS**
- December 17 **Fall 2018 Intersession Schedule Adjustment and Late Registration**
- December 18 **Payment Deadline for Fall Intersession:** Final payment for Fall Intersession 2018 Registration must be received by 4:00pm, December 18, 2018. **Students who don't make payment by the 4:00 pm on Tuesday, December 18, 2018 will be administratively withdrawn from all courses and will be required to pay a \$50.00 administrative fee.**
- December 25 **Holiday - Christmas Day \***
- January 1 **Holiday – New Year's Day \***

January 2 **Voluntary Withdrawal deadline for Fall Interession 2018**

January 09-12 **Faculty Evaluations**

January 12 **FALL INTERSESSION 2018 ENDS**

January 16 **Final Grades Due for Fall Interession 2018**

**Fañomnåkan - SPRING 2019**

September 3 **Deadline To Submit International (Foreign I-20) Application for Admission for SPRING 2019**

September 28 **Deadline to Submit Application for Degree Completion** - Students anticipating SPRING 2019 graduation must pick-up and submit an application to the Records Office.

October 22 **Deadline to Submit Former Student Reentry Application** to participate in SPRING 2019 Early Registration by class level. Students who submit Re-Entry Applications after deadline will participate in SPRING 2019 Open Registration.

November 16 **Deadline To Submit Resident/Non-Resident Application (except International students) For Admission** to avoid SPRING 2019 Late Registration.

November 5 – December 3

**SPRING 2019 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 25 by 4:00 pm.

December 1 - **SPRING 2019 English at the CLASS Lecture Hall.**

**English Placement** Check-in 8:00a.m. Test Start: 8:30a.m. For more information, call 735-2725.  
*Bring picture ID and payment receipt from admission application.*

Dec. 03 – 14 **Web Advisor ONLY** – SPRING 2019 Early Registration.

Dec. 3-6 **Spring 2019 Math Placement.** Computer Center Lab, Room 107A & 107B (2) *sessions per day*

Session 1-Check-in 8:30 am; Test Start: 9:00 am – noon

Session 2- Check-in 12:30 pm; Test Start: 1pm – 4pm

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

**2019**

January 1 **Holiday - New Year's Day\***

January 9, 10,11, **SPRING 2019 - Open Registration**

18 & 22 Register at the Admissions and Records office, Web Advisor, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday).

January 14 -18**SPRING 2019 New Student & Registration**

**Senior Citizens notify Records Office of intent to participate in tuition waiver program.**

January 21 **HOLIDAY! Martin Luther King Jr.**

January 23 **SPRING 2019 Weekday Classes Begin**

January 23-29 **SPRING 2019 Schedule Adjustment** - Make schedule adjustment at the Admissions and Records office, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday). Cancellation Fee applies.

January 26 **SPRING 2019 Saturday Classes Begin**

- January 29 **Last day to register for Course by Conference for SPRING 2019.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- Last Day to Drop from SPRING 2019 Classes without Transcript Record Entry.**
- January 30 **Senior Citizen Tuition Waiver Program Registration for Eligible residents (55+).**
- January 31 **Deadline to make payment by 4:00 pm.**
- February 15 **Faculty Development Day!**
- March 04 **Guam History & Chamorro Heritage Day!**
- March 12 **Charter Day\***
- March 13 **Last Day for Voluntary Withdrawal from SPRING 2019 Classes with a Grade of "W"**
- Deadline for Special Project and Credit by Exam SPRING 2019.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- March 25 – 30 **Spring Break - SPRING 2019\***
- May 17 **Deadline To Submit Petitions to Withdraw From SPRING 2019 Classes** - Pick-up and submit form at the Admissions and Records Office by 5PM. One form per class; each form requires individual instructor's and advisor's signature/approval.)
- Last day of instruction for Spring 2019.**
- May 20 **Final Exams - SPRING 2019 Saturday classes**
- May 20-22 **Final Exams - SPRING 2019 Monday to Friday classes**
- May 06-28 Faculty – Online Grade Posting
- May 24 **SPRING 2019 Semester ends**  
Grades for Prospective Graduating Students due By 5 P.M.
- May 26 **Commencement - SPRING 2019**
- May 27 **HOLIDAY! Memorial Day**
- May 28 **Grades for All Remaining Students Due By 5 P.M.**

#### Finakpo – SUMMER 2019

- February 04 **Deadline To Submit SUMMER 2019 International (Foreign I-20) Application For Admission.**
- February 28 **Deadline to Submit Application for Degree Completion** Students anticipating SUMMER 2019 or FALL 2019 graduation must submit an application to the Admissions and Records Office.
- March 1 – March 29  
**SUMMER 2019 Early Registration by Class Level** Total credits completed = Class Level. Register at the Admissions and Records Office, Web Advisor, or any Satellite location. **Payment must be completed no later than the second day for each Summer Session.**
- April 1-May 3 **Web Advisor ONLY** – Summer 2019 Early Registration.

- April 12      **Deadline To Submit Resident/Non-Resident Application for Admission** to participate in SUMMER 2019 New Student Orientation/Registration.
- April 20      **Summer 2019 English Placement Test at the CLASS Lecture Hall.** Check-in 8:00a.m; Test Start: 8:30a.m. For more information, call 735-2725. *Bring picture ID and payment receipt from admission application.*
- May 4 & 11 - **SUMMER 2019 Math Placement Test at the Computer Center Lab, Room 107A & 107B. (2) Sessions per day**  
 Session 1-Check-in 8:30 am Test Start; 9:00 am – noon  
 Session 2-Check-in 12:30 pm Test Start; 1pm – 4pm  
 For more information, call 735-2825. *Bring picture ID and payment receipt from admission application.*
- May 27      **Holiday - Memorial Day\***
- May 28-29    **Summer Session Open Registration**  
 Register at the Admissions and Records office, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday).
- May 30-31    **New Student Summer Session 2019 Registration**
- June 3        **First Day of Classes, Late Registration & Schedule Adjustment - SUMMER 2019 Session “A”**  
  
**Last day to register for Course by Conference for SUMMER ‘A’.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- June 10      **First Day of Classes, Late Registration & Schedule Adjustment - SUMMER 2019 Session “B”**  
  
**Last day to register for Course by Conference SUMMER ‘B’.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- June 17      **Deadline for Special Project and Credit by Exam for SUMMER ‘A’.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- June 19      **Last Day for Voluntary Withdrawal from SUMMER 2019 Session “A” Classes with a Grade of “W”**
- June 24      **Deadline for Special Project and Credit by Exam for SUMMER ‘B’.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- June 26      **Last Day for Voluntary Withdrawal for SUMMER 2019 Session “B” Classes with a Grade of “W”**
- July 4        **Holiday - Independence Day**
- July 5        **Last Day of Classes for SUMMER 2019 Session “A”**  
  
**Deadline to Submit Petition to Withdraw from SUMMER 2019 Session “A” Classes** - Pick up and Submit Form at the Admissions and Records Office By 5:00 P.M. (One Form per class; Each Form Requires Individual Instructor’s Signature/Approval.
- July 8        **First Day of Classes, Late Registration & Schedule Adjustment - SUMMER 2019 Session C**  
  
**Last day to register for Course by Conference for SUMMER ‘C’.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- July 9        **Grades For SUMMER 2019 Session “A” Due before 5:00 Pm.**
- July 17      **Last Day for Voluntary Withdrawal from SUMMER 2019 Session “C” Classes with a Grade of “W”**

- July 24 **Deadline for Special Project and Credit by Exam for SUMMER ‘C’.** Forms available at the Professional and International Programs (PIP) office located in the 2<sup>nd</sup> floor of the Computer Center building.
- July 26 **Deadline to Submit Petition to Withdraw from SUMMER 2019 Session “B” Classes** - Pick up and submit form at the Admissions and Records Office. (One form per class; each form requires individual instructor’s signature and approval.
- Last Day of Classes - SUMMER 2019 Session “B”**
- July 22 **Holiday - Liberation Day**
- July 27 **Last Day of Saturday Classes - SUMMER 2019 Session “B”**
- July 31 **Grades For SUMMER 2019 Session “B” Due by 5pm**
- August 9 **Deadline To Submit Petition To Withdraw From SUMMER 2019 Session “C” Classes** - Pick up and submit form at the Admissions and Records Office by 5:00 p.m. (One form per class; each form requires individual instructors signature and approval
- Last Day of Classes - SUMMER 2019 Session “C”.**
- August 10 **Last Day of Saturday Classes - SUMMER 2019 Session “C”.**
- August 15 **Grades For SUMMER 2019 Session “C” Due by 5pm**

**Funuchánan - FALL 2019**

- March 11 **Deadline to Submit International (Foreign I-20) Application (except International students) For Admission for Fall 2019**
- April 2 – May 3  
**Fall 2019 Early Registration by Class Level** Total credits completed = Class Level. Register at the Admissions and Records Office, Web Advisor, or any Satellite location (8:00 a.m. - 5:00 p.m., Monday - Friday).
- May 6 - July 12 **Web Advisor ONLY** – Fall 2019 Early Registration.
- May 30 **Deadline To Submit Resident/Non-Resident (except International Students) Application For Admissions For Fall 2019 Semester.**
- June 10 & 11 **FALL 2019 Math Placement Test** by Last names – (A-C) Test Session Start: 9am – 12pm & 1pm – 4pm, Computer Center Lab, Room 107A & 107B (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- June 12&13 **FALL 2019 Math Placement Test** by Last names – (D-L) Test Session Start: 9am – 12pm & 1pm – 4pm, Computer Center Lab, Room 107A & 107B (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- June 14 & 17 **FALL 2019 Math Placement Test** by Last names – (M-R) Test Session Start: 9am – 12pm & 1pm – 4pm, Computer Center Lab, Room 107A & 107B (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.
- June 18 & 19 **FALL 2019 Math Placement Test** by Last names – (S-Z) Test Session Start: 9am – 12pm & 1pm – 4pm, Computer Center Lab, Room 107A & 107B (For more information, call 735-2825). Bring picture ID with Social Security Number and payment receipt from admissions application.

## 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.

### ACCREDITATION STATEMENT

*(Certified by Anita Borja Enriquez, D.B.A., Senior Vice President for Academic and Student Affairs, and Accreditation Liaison Officer, July 15, 2016)*

The University of Guam (“UOG”), a U.S. Land Grant Institution, is accredited by the Western Association of Senior College and University Commission (“WSCUC”), a U.S. regional accrediting body recognized by the Council on Post-Secondary Accreditation and the United States Department of Education. The University has been continuously accredited since 1959 and most recently received reaffirmation of its accreditation in June 2016. See web sites [www.wascenior.org](http://www.wascenior.org) and [www.uog.edu](http://www.uog.edu) for more information about WSCUC and the University of Guam. All of UOG’s academic programs and its Intensive English Program (a non-degree program) are covered by this accreditation.

The Bachelor of Science in Nursing Degree Program is accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN) and approved by the Guam Board of Nurse Examiners.

The Bachelor of Social Work Degree Program is accredited by the Council on Social Work Education (CSWE).

The Bachelor of Business Administration Degree Program, the Bachelor of Business Administration in Accounting Degree Program, and the Professional Master of Business Administration Degree Program under the School of Business and Public Administration are accredited by the International Assembly for Collegiate Business Education (IACBE).

The School of Education and all its degree programs are accredited under the National Council for Accreditation of Teacher Education (NCATE), through the Council for the Accreditation of Educator Preparation (CAEP) system. Additionally, programs to prepare candidates for teacher certification in elementary, secondary, second language elementary, special education and provided by the University of Guam School of Education are accepted by the Guam Commission on Educator Certification (GCEC).

English is the language of instruction at the University of Guam.

### INSTITUTIONAL STUDENT LEARNING OUTCOMES (ILO’s)

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 ILOs, see <http://www.uog.edu/administration/academic-and-student-affairs/accreditation/assessment-and-program-review>.

## **HISTORY**

The University of Guam is the major institution of higher education in the Western Pacific. It is a U.S. land-grant institution accredited by the Western Association of Schools and Colleges. The University's history dates back to June 1952, when the island government established the Territorial College of Guam as a two-year teacher-training school under the United States 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 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 was first granted in 1963 as a four-year degree-granting institution and again in 1965. A plan for the establishment of three undergraduate schools was implemented in the fall of 1967. The following year, on August 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 Science 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 United States Congress. Administrative autonomy was granted on October 4, 1976, with the enactment of Public Law 13-194, “The Higher Education Act of 1976,” which became effective on November 3, 1976. The Act, with subsequent amendments, established the University as a non-membership, non-profit corporation under the control and operation of a nine-member Board of Regents appointed by the Governor, with the advice and consent of the Legislature. Public Law 17-55, enacted on June 11, 1984, provided further autonomy to the University and established staggered terms for members of the Board of Regents.

## **LOCATION**

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

## **ACCREDITATION**

The University of Guam is accredited by the Western Association of Schools and Colleges Senior Colleges and University Commission, an institutional regional accrediting body recognized by the Council for Higher Education Accreditation (CHEA) and the United States Department of Education.

*School of Business and Public Administration* - In March 2011, the School of Business and Public Administration received full re-accreditation from the International Accreditation Council for Business Education (IACBE) for its Bachelor of Business Administration degree programs as well as the Professional Master of Business Administration degree program. In December 2014, the Master of Public Administration degree program was approved for membership under the Network of Schools of Public Policy, Affairs, and Administration (NASPAA), which is considered the global standard in public service education. The School is also an Associate Member of the Guam Chamber of Commerce, and a Member of the Pacific Asia Travel Association (PATA).

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

*School of Nursing and Health Sciences* - The Nursing Program is approved by the Guam Board of Nurse Examiners and received initial accreditation in 1996 through the National League for Nursing Accreditation Commission (NLNAC), now known as the Accreditation Commission for Education in Nursing (ACEN). The most recent accreditation visit was in 2018.

*College of Liberal Arts and Social Sciences:* The Bachelor of Social Work Undergraduate Program is accredited by the Council on Social Work Education (CSWE).

## **RELEASE OF INFORMATION**

### **ANNUAL NOTICE TO STUDENTS:**

#### **THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (F.E.R.P.A)**

Annually, University of Guam informs students of the Family Educational Rights and Privacy Act of 1974, as amended. This Act, with which the institution intends to comply fully, was designated to protect the privacy of education records. The Family Educational Rights and Privacy Act (FERPA) afford 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 and 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, e-mail 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 Avenue SW  
Washington, DC 20202-5920.

## **STUDENT RIGHT TO KNOW POLICY**

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

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

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

## **ASSESSMENT OF STUDENT LEARNING OUTCOMES – STUDENT WORK AS ARTIFACTS**

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

Students or faculty with any questions about assessment should contact the Office of Academic Assessment and Institutional Research at 735-2585 or [www.uog.edu](http://www.uog.edu).

## **TOBACCO POLICY**

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

## **CAMPUS FACILITIES**

**The Tan Lam Pek Kim English and Communication Building (EC) & the Humanities and Social Sciences (HSS) Buildings** provide space for classrooms, offices, and learning labs, as well as outdoor atriums for campus activities.

**The University Lecture Hall** is located between the EC and the HSS Buildings

**The Calvo Field House building** houses the Office of Admissions and Records, TRIO Program 1<sup>st</sup> and 2<sup>nd</sup> floor, the Financial Aid Office as well as athletic facilities.

**The Fine Arts Building** provides facilities for music, art, drama, and speech (e.g., rooms or studios for music rehearsal, graphic arts, ceramics, and crafts) and a theater.

**The Science Building** is a three-story structure built in 1972 containing laboratories for the physical and biological sciences, classrooms, a conference-lecture hall, and faculty offices.

**The Health Science Building** is a two-story building adjacent to the Science Building which provides classrooms, a conference room, learning laboratories for Nursing and Health Sciences, a computer lab, faculty offices, and the Sally Tsuda TakeCare Resource Center for Nursing Education, Research & Service.

**Dorm I Building** provides offices and classrooms for ROTC.

**Dorm II Building** provides offices for the Equal Employment Opportunity/American with Disabilities Act Office on the ground floor.

**The Jesus and Eugenia Leon Guerrero Business and Public Administration Building**

houses classrooms, offices, William D. & Zita T. Leon Guerrero and their children Shawn Leon Guerrero, BA, 1995, MBA, 1997; Jessica Leon Guerrero, BA, 2003 Student Organization Room, Mobil Oil Guam Study Room, ASC Lobby, the Matson Navigation Conference Room, Paul & Arlene Bordallo Dean's Office, SBPA Dean's Conference Room, Anthony A. Leon Guerrero Multipurpose Room, IT&E Lecture Hall, Felix Martinez Camacho and Antonia Garcia Camacho Family and Personal Finance Center Graduate Studies Room, Henry Sy Atrium, and computer lab facilities of the School of Business and Public Administration. It also houses the Pacific Islands Small Business Development Center Network (PISBCN)/Guam Small Business Development Center (SBDC), Guam Procurement Technical Assistance Center (PTAC), Pacific Center for Economics Initiatives (PCEI), Bank of Hawaii Center for Entrepreneurship and Innovation, Regional Center for Public Policy, the Campus Café and the offices of the President, the Senior Vice President of Academic and Student Affairs, Interim Assistant Vice President for Academic Excellence / Director of Graduate Studies and Vice President of Administration and Finance, Integrated Marketing Communications as well as Alumni Affairs.

**The School of Education Building** houses classrooms, offices, conference rooms, lab facilities, and the Guam Commission for Educator Certification (GCEC).

**The College of Natural and Applied Sciences Building** provides classroom, conference room, laboratory, faculty and administrative office spaces.

**The Student Center** houses a Food Court that seats 200, the Student Rotunda, Student Government Association office, the office of the Dean of Enrollment Management and Student Success, the University Bookstore and Gift Shop, the Post Office, the Student Counseling office, Veterans Resource Center and Student Health Services. Facilities may be reserved by contacting the Office of Enrollment Management and Student Success.

**I Jahame Hall and I Guma'ta Hall** dormitory buildings accommodate 162 students.

## UNIVERSITY CENTERS

### CENTER FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE (CEDDERS)

The University of Guam CEDDERS is one of 67 federally funded university centers for excellence in developmental disabilities education, research and services 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.

CEDDERS has served as a training and technical assistance provider for Guam and the Western Pacific region for the past 25 years. From its inception in 1993, CEDDERS has evolved into a dynamic organization that aims to provide assistance in the movement to improve the quality of life for individuals with developmental disabilities and their families. Past and on-going collaborative efforts include facilitating a wide variety of interdisciplinary training activities at the pre-service, in-service, and community based-levels that enable consumers, families, and service providers to access opportunities to expand their knowledge, skills, and abilities.

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

CEDDERS offices, which include the Guam System for Assistive Technology (GSAT) Training Center, are located on Dean Circle, with the central office at House 29. Tel: 735-2481 Fax: 734-5709 TTY: 734-6531 [www.guamcedders.org](http://www.guamcedders.org)

### **CENTER FOR ISLAND SUSTAINABILITY (CIS)**

The Center for island Sustainability (CIS) is the focal institute at the University of Guam for adapting and modeling sustainable technologies that meet the needs of island communities in the broader areas of the environment, economy, society, and education. As an entity, the CIS provides direct, local expertise on a diverse array of sustainability issues, including energy, solid waste, natural resources, and serves as an honest broker of these systems for Guam and Micronesia. To this extent, the CIS is committed to the conservation and management of our limited resources and the implementation of alternative energy sources in ways that not only consider the fiscal bottom line, but also the broader impacts on our physical and societal environments.

The Center for Island Sustainability is located at Dean's Circle in House 32. For more information contact (671) 734-0478.

### **COMPUTER CENTER**

The Computer Center is an all-purpose facility designed to meet the requirements of academic and administrative users of the University. The Center provides and supports a wide variety of academic, instructional, research-related, and administrative services. Consistent with the regional role of the University, the Center also provides technical support and services to the community.

Through a fiber optic data communication network, users have direct/interactive access to the central computer for program debugging, testing and other uses. In addition, the Center has an on-line/database management information system that is able to link with other local, regional and national systems.

A computer lab equipped with a network of mainframe, microcomputers, terminals, graphics devices, and multi-media systems, software, including statistical analysis packages and compilers, and Internet access is available for student and faculty use. School of Business and Public Administration (SBPA) lab provides access to the Computer Center/Technology Resources mainframe through a remote terminal as well as self-contained microcomputer facilities. The College of Natural and Applied Sciences (CNAS) computer science program lab is located in Annex/Warehouse B. The Division of English and Applied Linguistics, College of Liberal Arts and Social Sciences (CLASS) maintains laboratories containing microcomputers with word-processing and instructional software. The Division of Humanities and Social Sciences (CLASS) maintain the Digital Language Laboratory for Modern Language instruction. The School of Education (SOE), College of Natural and Applied Sciences (CNAS), and the School of Nursing Health Sciences (SNHS) also have computer labs equipped with microcomputers for student and faculty use, with access to the applications on the Computer Center's mainframe network. Contact the respective Dean's office for further information.

### **CALVO FIELD HOUSE**

The Calvo Field House was originally developed to provide University students with a site to expand their knowledge and skills in 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 a concert and performance hall, and as a convention center.

In this respect, the facility offers the island of Guam a unique venue for events never before economically or practically feasible. Comprising an area of 70,500 square feet, the Field House can accommodate over 3,000 people for basketball games and approximately 4,000 for concerts, boxing, wrestling, or graduation ceremonies.

Other activities in the Field House include intramural sports, varsity sports competitions, and physical education and recreation classes. We also have newly renovated Fitness and Weight rooms, Locker rooms and Restroom facilities.

Contact the Athletic/Calvo Field House Office at 735-2862 for more information.

### **ISLA CENTER FOR THE ARTS**

ISLA Center for the Arts is an auxiliary center in the Fine Arts Program of the College of Liberal Arts and Social Sciences at the University of Guam. ISLA's mission 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 which emphasize the arts of the Pacific region as well as those of the Western world. All exhibitions are free of charge.

ISLA also houses a permanent collection of over 500 objects, including prints from European masters such as Rembrandt, Goya, Daumier, Dürer, and Pissarro, antique Japanese woodcuts, and pre-Columbian pottery pieces from Central America. Highlighted in the collection are many Micronesian objects which express the islanders' love for the sea and their islands. Objects in the permanent collection may be made available for research upon request.

ISLA serves students ranging from the elementary through University levels, local artists, the Guam public, and visitors to Guam. When resources permit, ISLA offers Summer Art Camp classes for children ages 5-9. ISLA's broad range of programming attracts approximately 10,000 patrons annually.

Funding for ISLA's programs comes from local agencies (Guam Council on the Arts and Humanities Agency - GCAHA, Guam Housing Corporation - GHC), membership fees, private donations, and through fundraisers such as the annual silent art auction. ISLA is located in Dean Circle Houses #14 and #15. Gallery hours are 10:00 a.m. to 5:00 p.m. Monday through Friday, and from 10:00 a.m. to 2:00 p.m. on Saturdays. To view previous exhibitions, see [www.uog.edu/isla](http://www.uog.edu/isla). For inquires call: (671) 735-2965/6 (fax) 735-2967, or email: [islacenter@gmail.com](mailto:islacenter@gmail.com).

## **SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION**

### **GUAM PROCUREMENT TECHNICAL ASSISTANCE CENTER (PTAC)**

The Guam PTAC provides free procurement technical assistance counseling to businesses pursuing opportunities with the Department of Defense, federal agencies, the local government, and government Prime contractors. Its mission is threefold:

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.

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.

To support government agency efforts to meet their mandated small business goals for contracting dollars.

Guam PTAC provides a wide range of free assistance to businesses through one-on-one counseling sessions, group workshops, seminars, and matchmaking events.

#### Locations:

Main Guam PTAC Office: Jesus & Eugenia Leon Guerrero Business and Public Administration Building, SBPA Rooms 116 & 117 at the UOG Campus.

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

Satellite Guam PTAC: inside Guam Economic Development Authority (GEDA) Office, 5th Floor, ITC Building.

Contact: Boris Hertslet, Program Manager, (671) 735-2596 [boris@guamptac.com](mailto:boris@guamptac.com), or Therese Chaco, Admin, (671)735-2552 [admin@guamptac.com](mailto:admin@guamptac.com) or visit our website: [www.guamptac.com](http://www.guamptac.com).

Guam PTAC – Guam Procurement Technical Assistance Center [www.guamptac.com](http://www.guamptac.com)

The Guam Procurement Technical Assistance Center was established on October 1, 2008 funded in part by the Defense Logistics Agency. It is the intent of the Guam PTAC to provide services needed to ensure that Guam Small Businesses are competitive in the local and federal marketplace

### **PACIFIC ISLANDS SMALL BUSINESS DEVELOPMENT CENTER NETWORK (PISBDCN) AND GUAM SMALL BUSINESS DEVELOPMENT CENTER**

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

PISBDCN contracts with local agencies to establish service centers that provide high quality management and technical assistance to current and potential small business owners. Assistance is provided through counseling programs, training programs, business and economic information programs, women in business



and other minority programs, veterans programs, village outreach programs, a capital formation advisory service program, a business assistance center program, and an international trade program.

Existing Service Centers under the PISBDCN include the Guam Small Business Development Center (SBDC) and SBDCs in Chuuk, Kosrae, Palau, the CNMI, and Yap. Advisors within these Service Centers provide direct assistance and coordinate the client's utilization of all of the center's resources. The Counseling Program offers free and confidential one-to-one assistance which 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, marketing, and financial assistance and support.

The Training program sponsors a comprehensive list of high quality workshops and conferences focused on business start-up, business plan writing, business management, human resource management, and marketing that are designed to enhance the skills and knowledge of existing and prospective small business owners and their employees.

PISBDCN and the Guam SBDC are located in the Jesus and Eugenia Leon Guerrero Business and Public Administration Building.

#### **UOG REGIONAL CENTER FOR PUBLIC POLICY (RCPP)**

The UOG Regional Center for Public Policy (RCPP) 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, 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. For more information, please contact us at: [rcpp@triton.uog.edu](mailto:rcpp@triton.uog.edu).

#### **UOG PACIFIC CENTER FOR ECONOMICS INITIATIVES (PCEI)**

The UOG Pacific Center for Economic Initiatives (PCEI) 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 the neighboring region. In partnership with the Pacific Islands Small Business Development Center Network (PISBDCN), and housed within UOG's School of Business and Public Administration, UOG PCEI serves as a reservoir for resource experts, technical assistance for small business planning initiatives, local relevant market and industry information for industry development, and readily accessible information through its resource database. For more information, contact Dr. Annette Taijeron Santos, at [atsantos@triton.uog.edu](mailto:atsantos@triton.uog.edu).

## **BANK OF HAWAII CENTER FOR ENTREPRENEURSHIP AND INNOVATION (C4EI)**

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

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

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

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

The Bank of Hawaii Center for Entrepreneurship and Innovation is located on the 2nd floor of the Jesus and Eugenia Leon Guerrero Business and Public Administration Building. For more information, please contact us at: [c4ei@triton.uog.edu](mailto:c4ei@triton.uog.edu).

## **PROFESSIONAL AND INTERNATIONAL PROGRAMS (PIP)**

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

PIP helps to plan and provide many types of credit and non-credit programs to meet special interests within the community. Continuing Education programs are offered to enable anyone to continue their learning experiences. This may include credit and non-credit work offered during the day and evening hours. Various community education programs and seminars focus on social issues. Business, industry and professional organizations provide special courses at UOG for their employees. These programs can be taught on campus or at the workplace.

**Monthly Training Schedule** Many credit and non-credit programs are offered each month to serve special community needs. 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.

**Online Non-Credit Courses** Self-paced courses are available anytime, anywhere. All that is needed is a web-enabled computer and a desire to learn skills that will prepare you for a new career or update current skill sets. And even though you don't have to attend class, you won't be on your own. A team of available online professionals, anytime scheduling, and educational textbooks combine to give you a relevant, interactive learning experience.

**AMA University Programs** PIP has partnered with the American Management Association (AMA) to offer over 75 courses and five Certificate Programs for:

Continuing Education  
Professional and Workforce Development  
Business and Industry Training

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

**English Adventure Program (EAP)** is a short-term English language program designed for travel agents, visiting schools, and 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 focusing on beginning, intermediate, and advanced English curriculum are offered. Optional tours, sports, and recreational activities may also be provided.

### **English Language Institute (ELI)**

The English Language Institute at the University of Guam has offered classes in English as a Second Language since 1979. Programs are offered throughout the year. The principal purpose of the Institute is to prepare students for University enrollment.

Students attend daily classes to improve writing skills, conversation and listening skills, reading comprehension, and study skills. This program helps students to gain confidence using English. The goal of the English Language Institute is to prepare students to compete successfully with American university students.

### **Philosophy**

The English Language Institute 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 is committed to quality education and the development of language skills and cultural understanding among its students.

The ELI also accepts and affirms its students' different academic, cultural, and social values. We encourage students to recognize and develop additional values, skills, and strategies which will help them to work effectively and successfully in English.

### **Faculty and Staff**

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. The ELI is administered by a Director who has a full time ELI Coordinator who advises, counsel, and assist, both local and international students.

### **Evaluation**

Students at the English Language Institute are placed into levels of instruction after extensive placement testing. After the end of each semester, students are again tested.

Students who have successfully mastered a level continue on to a higher level. A minimum TOEFL score of 500 is required for admission to the University of Guam. English Language Institute (ELI) Students have the option to apply to the English Language Institute (ELI).

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

### **TELECOMMUNICATIONS AND DISTANCE EDUCATION OPERATION (TADEO)**

The Telecommunication and Distance Education Operation (TADEO) is the Micronesian hub for the PEACESAT (Pan-Pacific Education and Communication Experiments by Satellite) Network, the Micronesian high frequency radio (HF/SSB) network and control point for outer-island search and rescue and disaster communications. TADEO offers worldwide videoconference services for the campus and the Guam community.

TADEO provides voice, data and fax communication to the Pacific Islands as a public service. Daily news and weather reports are delivered each morning to the region and distance education courses and workshops are offered through HF-SSB and satellite links.

### **Center for Distance Education (CDE)**

In support of the President's strategic directive to improve the university's Distance Education programs, the Center for Distance Education (CDE) was created as a sub-unit under TADEO. The CDE mission is to coordinate and promote DE 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 CDE, in conjunction with TADEO staff, manage, monitor, and administer the Learning Management Software (LMS). The CDE also provides training for faculty in the use of LMS and in the design and implementation of DE course material. Lastly, the CDE monitors and maintains an electronic helpdesk for students.

### **UOG Moodle Virtual Classrooms**

(**Moodle** is a learning platform designed to provide educators, administrators and learners with a single robust, secure and integrated system to create personalized learning environments.)

### **I registered for an online class. Now what?**

If you registered for an online class, you may be wondering what is supposed to happen next. Here are some answers to some questions you might have...

### **When does the class start?**

Online classes at UOG Moodle typically start at the same time as the on-campus classes. If the first day of on-campus classes starts on a Wednesday, then online classes will start on the same day. If you do not see your class when the semester starts, feel free to contact the UOG Moodle Help team (see contact information below).

**How do I get into the class in UOG Moodle?** Classes in UOG Moodle typically require that you enter an enrollment key to access the class. If you have not received your enrollment key by email, you should contact the instructor immediately to ask for the enrollment key.

### **Can I be automatically added into the class in UOG Moodle?**

The UOG Moodle Help team is working to make this process easier. At the start of the semester, you can check to see if you have already been added into the online classroom. If you are already in, you do not need an enrollment key. To see the classes that you are in, log in to UOG Moodle... then look in the "Navigation" block and click on "My courses". You will see any courses that you are already in. If you do not see your course, then you may need to contact the instructor to ask for an enrollment key.

UOG Moodle Help contact information:

- Email: moodlehelp@uguam.uog.edu
- Phone: (671) 735-2620

## **RESEARCH INSTITUTES**

### **RICHARD F. TAITANO MICRONESIAN AREA RESEARCH CENTER (RFT-MARC)**

The mission of the Richard F. Taitano Micronesian Area Research Center (RFT-MARC) is resource collection development, research, and service. Since its establishment in 1967, RFT-MARC has developed a major collection of Guam and Micronesia materials, located in the RFT-MARC/Information Technology Resource Center/Computer Center Building. The reference collection includes books, manuscripts, periodicals and serials, government documents, personal papers and archives, reprints, and maps. The Spanish Documents Collection includes original documents as well as full-size and microfilm reproductions, reflecting the lengthy presence of Spain in Micronesia. The Manuscripts Collection has extensive documentation reflecting the American presence in Guam.

RFT-MARC also acquires, for study and display, artifacts related to the cultural and historical heritage of the area. These are non-circulating reference collections open to the public.

RFT-MARC faculty produces transcriptions, translations, and analytic bibliographic listings of important Spanish, German, French, Japanese, and other foreign language documents. In addition to archival and historical research, RFT-MARC faculty have conducted research in the fields of anthropology, archaeology, history, education, political science, economics, and sociology. The service role of RFT-MARC is performed through its program of publishing, teaching, presenting public lectures, and coordinating campus events related to Guam and the Pacific. RFT-MARC faculty and staff also provide community service through consultation and cooperation with many government agencies and community organizations.

Financial support for the RFT-MARC program of collection development and research has come primarily from the Guam Legislature as part of UOG's budget. In addition, grants and contracts have been awarded by the U.S. Department of the Interior, the U. S. Navy, the U. S. Army Corps of Engineers, the National Geographic Society, the Asia Foundation, the Wenner-Gren Foundation, the South Pacific Commission, and the Guam Preservation Trust. Special acquisitions projects and assignments have been carried out by RFT-MARC researchers in the archives and libraries of Europe, Mexico, Philippines, Japan, Australia, New Zealand, and the Pacific Islands, as well as in the mainland United States and Hawaii. MARC faculty and research associates are currently conducting archaeological and ethnographic research projects in Guam, the Marianas, the Philippines, Palau, and elsewhere in the region. Visit RFT-MARC's web site: [www.uog.edu/marc](http://www.uog.edu/marc) for additional information.

### **MARINE LABORATORY (ML)**

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

The staff consists of full-time research faculty assisted by three marine technicians, two Administrative Assistants, and a laboratory manager.

The research focus of the Marine Laboratory is tropical coral reef studies. Basic research is conducted by individual staff members in their specialty areas: ichthyology and fisheries biology, evolutionary ecology, molecular genetics, photo biology, invertebrate zoology, coral physiology and larval ecology, chemical ecology of reef organisms and natural products chemistry, community ecology, and species interaction. Applied research is conducted in surveys; studies relating to coastal zone management on research on coral bleaching introduced species, and pollution research. Marine Laboratory students have donated their time and given lectures and tours for many diverse interest groups and thousands of school children.

Research projects are concentrated on Guam but often reach out into the Commonwealth of the Northern Mariana Islands, the Republic of Palau, the Federated States of Micronesia, the Republic of the Marshall Islands, and other regions of the Indo- Pacific.

The Laboratory consists of three buildings. Research space, office space, and a computer lab are located in the two-story research wing. This wing features a flowing seawater system with a direct input of ocean water. The southern portion of the new Water and Environmental Research Institute (WERI) Building provides space for four additional offices, an expanded reference collection facility which also includes a mollusk collection room, and a large biochemical laboratory. The technical wing provides workshop facilities and maintenance and storage space for routine research instrumentation, boats and diving gear. A broad range of laboratory and field equipment is available.

### **MICRONESIAN LANGUAGE INSTITUTE (MLI)**

The Micronesian Language Institute (MLI) was established at UOG in May, 1990. The purpose of MLI is to conduct research, service, and teaching activities that enlarge understanding of the indigenous languages of Micronesia, and to promote appreciation, documentation, instruction, and materials development of Micronesian language resources.

MLI's work is guided by eight-person Regional Advisory Council, consisting of members representing the Territory of Guam, the Republic of the Marshall Islands, the Federated States of Micronesia (FSM - Kosrae, Pohnpei, Chuuk and Yap), the Republic of Palau, and the Commonwealth of the Northern Mariana Islands (CNMI). Each Council member is an indigenous Micronesian language expert. A diverse selection of language research and service activities is under way, having been developed either in response to specific needs identified by governments and agencies within the Micronesian region.

In its first eight years of work, MLI has been engaged in the development of oral language proficiency assessment tools in Palauan, Chuukese, Pohnpeian and Tagalog, and in basic research on the sequence of child language development in these languages. A major longitudinal study of the Palauan and English bilingual development of Palauan youth has been completed. Several evaluation studies of language instruction programs have been carried out.

MLI has coordinated the development and annual use of the FSM's national tests of language arts and mathematics, and has provided technical assistance and training to Peace Corps Micronesia.

MLI has engaged in a major needs assessment study of the impact of migration from FSM and the Marshall Islands to Guam, involving interviews in most of the indigenous languages of the region. In another large-scale program, Paradisu Family Literacy, MLI staff provided literacy training to the Chamorro, Chuukese, and Palauan communities of Guam. To provide baseline data on the impact of Palau's Compact of Free Association on Guam, MLI has recently completed a census survey of most Palauan households on Guam.

MLI's programs are financially supported by a combination of funding sources: the Guam Legislature, and grants and contracts awarded by such agencies as the Guam Department of Education, the U.S. Department of Education, Northern Marianas College, the Palau Bureau of Education, the U.S. Department of the Interior, Guam Bureau of Planning, and the National Department of Education of the FSM. The MLI is administered through the Micronesian Area Research Center.

### **WATER AND ENVIRONMENTAL RESEARCH INSTITUTE OF THE WESTERN PACIFIC (WERI)**

The Water and Environmental Research Institute of the Western Pacific was established as a research unit of the University of Guam in May 1975. It is one of 54 similar institute established by the U.S. Congressional Delegation at each Land Grant university in the United States and in several territories. The role of the Institute is to provide (WERI) water and environmental resources information by conducting basic and applied research in an interdisciplinary environment, by teaching, and by disseminating research results. Currently, WERI is ranked among the top six institutes nationwide, based on its professional performance.

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

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

The Institute is supported through funding from various sources such as: local University of Guam appropriations, WERI - targeted funds from the Guam Legislature and annual water research programs for Guam, CNMI and FSM. Additional funds are available from contracts and grants from federal, local, and private agencies in support of specific projects

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

### **WESTERN PACIFIC TROPICAL RESEARCH CENTER (WPTRC)**

The Western Pacific Tropical Research Center of the College of Natural & Applied Sciences includes three field research facilities located in areas representing the different soil types of Guam: Yigo, Inarajan, and Ija.

The Western Pacific Tropical Research Center concentrates on applied research that directly impacts agriculture in Guam, as well as in other tropical areas. Current areas of specialization are soils, horticulture, entomology, plant pathology, turf grass, human nutrition, aquaculture and forestry. Research laboratories are located at the University main campus and in Yigo.

Financial support for the Western Pacific Tropical Research Center comes primarily from the National Institute of Food and Agriculture (NIFA) of the USDA and the Government of Guam. The Western Pacific Tropical Research Center has collaborative research programs with several land-grant Universities in the western United States, the College of Micronesia, the College of the Northern Marianas, the American Samoa Community College, and several international research centers. Most of the research projects are designed to have direct application to Guam, Micronesia, and other areas of the Western Pacific, and the tropics in general.

In addition to concentrating on research, the Western Pacific Tropical Research Center faculty teach undergraduate courses in Agriculture and Life Sciences, graduate courses in Sustainable Agriculture, Food, Nutrition and Natural Resources, and Environmental Science, conduct workshops for teachers and collaborate with the University of Guam Cooperative Extension & Outreach Service.

### **COOPERATIVE EXTENSION AND OUTREACH (C-E&O)**

UOG's College of Natural & Applied Science's Cooperative Extension & Outreach (CNAS-E&O) enables the multicultural community of Guam to make more informed decisions through non-formal education programs. These one-to-one and group programs are based on identified needs and are supported by solid science and significant experience. CNAS-E&O is part of a much larger family of 112 U.S. Land Grant colleges and universities that support each other and share experiences, faculty knowledge, scientific breakthroughs, and best educational practices. CNAS-E&O receives a majority of funding from USDA National Institute of Food and Agriculture (NIFA), but faculty and staff are also active in attracting significant additional funding that is used for outreach, extension, and research efforts. This program is fully integrated with the CNAS's WPTRC. CNAS-E&O has knowledge in a vast array of topics to serve the needs of Guam, and the region (as appropriate). They include: animal raising and care; aquaculture and fish farming; business and financial advising; community development; family and life education; farming; food technology and food label development; gardening; insect identification and pest management; nutrition education; plant disease identification and pest management; soil testing; sustainable agriculture, youth education and the 4H program. We also work closely with the University of Guam's Sea Grant program that works on ridge-to-reef issues and opportunities for improvement of Guam's terrestrial and aquatic resources. We are strong advocates for healthy lifestyles; successful businesses; vigorous and thriving environments; locally-grown and processed foods; and successful individuals, families, and communities. In addition to the many off-campus work, many E&O faculty and staff also teach in both undergraduate as well as graduate programs.



## AUXILIARY SERVICES

### **BOOKSTORE AND GIFT SHOP**

The University of Guam Triton Bookstore and Gift Shop is conveniently located in the Student Center. It currently 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 & BEVERAGE SERVICES**

Food Trucks and Food Vendors are available to serve you with meals and cold beverages at reasonable prices. Food Trucks are located in the center court yard across the RFK Library and are open for lunch to the general public Monday thru Thursday. Food Vendors are located at the SNHS building and SBPA building and are also open to the general public Monday thru Friday.

### **POST OFFICE**

The Post Office provides postal services to the students living in the dorms and the University Community. It is also open to the general public. Hours of operations are Monday through Friday, 7:30a.m. – 3:00p.m.





## **ENROLLMENT MANAGEMENT & STUDENT SUCCESS (EMSS)**

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

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

Ms. Remy Babauta Cristobal, Interim Dean, Enrollment Management and Student Success/Registrar  
Tel: (671) 735-2207 Fax: (671) 735-2203

## **CAREER DEVELOPMENT OFFICE**

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

Other services like providing class presentations on career exploration, outreach career presentations on and off campus, and workshops such as mock interviews, resume writing, application processing, and dress 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. Students interested in Career Development Office activities are encouraged to call 735-2233 or visit the Career Development Office, located in the Student Center.



### **STUDENT LIFE OFFICE**

The University offers diverse activities for students. The University sponsors some activities, while others are sponsored by various clubs and organizations. Students have the opportunity to participate in over 40 organizations.

The Student Life Office (SLO) coordinates student organization functions and programs including the New Student Orientation. This SLO also provides assistance for academic and disciplinary problems and complaints.

New student orientation begins one week prior to the Fall, Spring and Summer sessions. The program is designed to familiarize new students with the University's faculty, programs, student support services, policies and procedures. The program also includes academic advisement and peer counseling. Students interested in campus activities are encouraged to call 735-0246 or visit the Student Life Office, located in the Student Center.

### **STUDENT ORGANIZATIONS**

Students with a common interest or purpose may petition the University for recognition as a campus organization. Recognized organizations may request Student Government Association (SGA) 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**

The Student Government Association (SGA) of the University of Guam is the official name adopted by the organization representing the students of UOG. All students who have paid the student activity fee are regular members of the association. The SGA is governed by student officers and senators within the framework of its constitution and by-laws. Officers and Senators are elected annually by the student body and are responsible for administering the affairs of the association. The Association is responsible for most student body activities and shares with the administration a concern for the morale, welfare, and development of all students. Through shared representation on academic, community and student grievance committees the rights and responsibilities of students are protected by the association.

### **STUDENT PUBLICATION**

The student newspaper, *The Triton's Call* provides opportunities for students to acquire experience in various phases of journalism, such as writing, editing, photography, layout, production, and advertising under the guidance of faculty advisors.

### **STUDENT HANDBOOK**

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

### **STUDENT COUNSELING & ADVISEMENT SERVICES**

Counselors assist students with a wide range of personal concerns and issues which are divided into four areas of specialization. Educational Advisement, Psychological Counseling, Accommodative Services for students with disabilities, and Career Counseling. Confidentiality is strictly maintained within each of these four areas.

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

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

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

**Courses offered to Students:** *FY 101: First Year Seminar* is a three-credit hour course required for all entering students with less than thirty (30) credit hours of college course work. 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.



## **FINANCIAL AID OFFICE**

The Financial Aid Office (FAO) provides a wide range of financial services designed to help students meet the cost of attending UOG. 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. UOG 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 UOG Fieldhouse.

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 United States Congress therefor, financial aid information in this catalog is subject to change without notice.

All federally funded programs require the completion of the FAFSA (Free Application for Federal Student Aid) 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 January 1st of each year (for classes beginning in the fall semester of that same year.). Beginning in the 2018-2019 Academic Year, the FAFSA will be made available on October 1 of the prior year. The priority FAFSA application deadline for UOG financial aid is April 30th of each year. The financial aid process may be lengthy, as it is governed by federal, state, and institutional regulations. The process from application to disbursement may take up to 8 weeks. The financial aid process can be further delayed if students do not return required documentation in a timely manner.

Students are encouraged to complete the FAFSA online. Completing the application online reduces processing time and errors. Students can complete the online FAFSA at the following e-mail address: <http://www.fafsa.ed.gov>. To complete the FAFSA online, students will need a FSA ID from the Department of Education. Students can request a FSA ID online at <http://www.pin.ed.gov>. The FSA ID will be sent to the student via e-mail and/or regular mail. It usually takes less than 48 hours to receive a FSA ID by e-mail. For dependent students completing the online FAFSA, at least one parent must also have a FSA ID.

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

NOTE: Part-time students may receive federal or state-funded financial aid; and non-matriculated students may be eligible for some types of federally funded loans. Some aid programs, such as the Pell Grant, are restricted to undergraduate students.

Federal aid is disbursed throughout each semester based on the date of file completion.

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 the financial aid website for more information – [www.uog.edu/financial-aid](http://www.uog.edu/financial-aid))

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 UOG). SFAP consists of the following programs: Merit Scholarship Program, Access to Higher Education Grants, John F. Quan Memorial Scholarship, Health Professions Training Scholarship (Nursing and Social Work), Research/Teaching Assistantship Program, and the Professional/Technical Award programs. The applications are available yearly (usually on the first business day of February) with a standard deadline of June (see the financial aid website for posted deadlines). In addition, other locally funded programs are: the Merit Award; Pedro “Doc” Sanchez Scholarship for Government of Guam Career employees; and the Dr. Antonio C. Yamashita Educator Corps (YEC) Program.

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, while the Federated States of Micronesia, the Republic of 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 average.

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

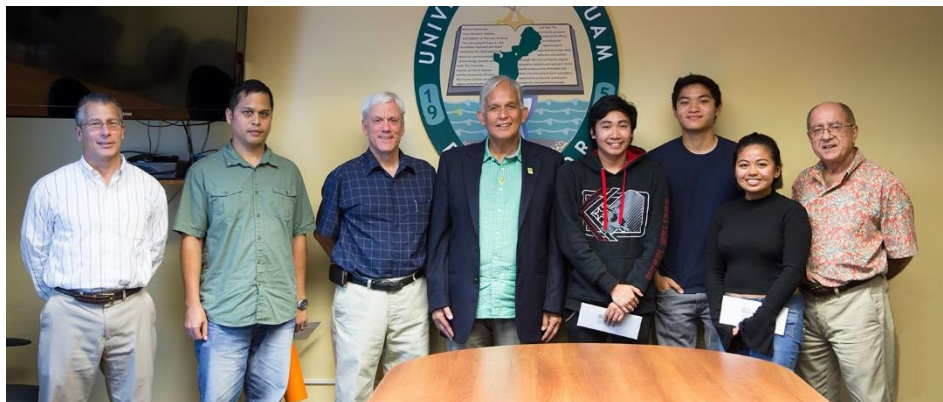
To maintain Satisfactory Academic Progress (SAP) the following minimum requirements must be met:

#### UNDERGRADUATE

- Complete at least a minimum of 75% 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 75% 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 program. 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 Hour Attempted*	Enrollment Status	Minimum Credits to complete each semester
21	Full-time	16 Credits
19 - 20	Full-time	15 Credits
18	Full-time	14 Credits
17	Full-time	13 Credits
15 - 16	Full-time	12 Credits
14	Full-time	11 Credits
13	Full-time	10 Credits
12	Full-time	9 Credits
11	¾ - time	9 Credits
10	¾ - time	8 Credits
9	¾ - time	7 Credits
6 – 8	½ - time	6 Credits
Below 6 credits	Less than ½ time	MUST PASS ALL Credits

\*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.

### Graduates:

Credit Hour Attempted*	Enrollment Status	Minimum Credits to complete each semester
12	Full-time	9 Credits
9	Full-time	7 Credits
6 – 8	½ - time	6 Credits
Below 6 credits	Less than ½ time	MUST PASS ALL Credits

\*Credit Hours Attempted – number of credit hours enrolled after the ADD/DROP period of each semester. 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 (75% completed with a passing grade), multiply the number of credits you are enrolled in after the ADD/DROP period by .75.

### Warning

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

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

The student fails to make progress toward the minimum required cumulative GPA for two (2) consecutive semesters (Fall/Spring/Summer);  
Failure to complete a minimum of 75% of the credit hours attempted for two (2) consecutive semesters (Fall/Spring/Summer);  
Complete withdrawal from the University of Guam during the semester for which aid was received;  
Dismissal from the University of Guam for any reason;  
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;  
Failure to receive a passing grade (A, B, C, D, or P) for all of the credit hours attempted during the semester;  
Placed on Continued Probation by the Admissions and Records Office at the end of a semester;  
First semester after a Dismissal or Suspension from the Admissions and Records Office;  
Current academic status with the Admissions and Records Office shows any of the following: Continued Probation, Suspension, or Dismissal.

## **How to Re-Establish 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 a petition at least 30 calendar days before the start of the term and no later than 30 calendar days before the end of the semester 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.

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For more detailed information you can contact us, as indicated below:

Location: UOG Field House  
Telephone Nos: 671-735-2288/87  
Fax: 671-734-2907  
E-mail: [finaid@triton.uog.edu](mailto:finaid@triton.uog.edu)  
Address: University of Guam  
C/O Financial Aid Office  
UOG Station  
Mangilao, Guam 96923  
Website: [www.uog.edu/financial-aid](http://www.uog.edu/financial-aid)  
School Code: 003935

### **STUDENT HEALTH SERVICES**

The primary missions of Student Health Service are three-fold: 1) to provide health clearance for University enrollment, pursuant to Public Law 22-130, Title 10 of the Guam Code Annotated; 2) to provide strong, effective prevention, health promotion, health counseling and educational program/services; and to enable students to develop healthy life-styles that will enhance their intellectual growth and development consistent with the mission of the University. The SHS is an institutional member of the American College Health Association (ACHA) and the Pacific Coast College Health Association (PCCHA).

### **HEALTH REQUIREMENTS**

All applicants must supply evidence of having been vaccinated against Measles, Mumps and Rubella (MMR#1 & MMR#2) and the results of a tuberculin skin test taken no earlier than 6 months of the date of application. In addition, applicants must complete a Report of Medical History form and submit it to the Student Health Service. Required documents must be submitted to Student Health Services Office and be cleared before orientation and registration. Failure to submit documents to clear health requirements will delay registration. All students are highly encouraged to purchase a medical health insurance plan valid on Guam.

For more detail information, you may contact us at: Student Health Service

UOG Student Center Mangilao, Guam 96923

Phone: (671) 735-2225 Fax: (671) 734-4651

## **INTERNATIONAL STUDENTS**

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

## **EXCHANGE STUDENTS**

The University strongly recommends all full-time Exchange Students to have health insurance coverage valid on Guam.

## **RESIDENCE HALLS LIFE**

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

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 strictly single private rooms. Dorm 1 residences are located only on the first floor of the building with two wings and a total of 2 corridors. The residents share one kitchen, one bathroom on each wing, a study hall, TV Lounge and a laundry room. Dorm 1 is 24/7 non-alcohol and quiet zone and rooms are strictly single and private. Dorms 2 and 3 are two-story buildings with two wings (for a total of 4 corridors per hall dorm), two kitchens, a study hall, a TV lounge and a laundry room. Each corridor has twelve rooms and one or two bathrooms which are shared by the residents of that corridor. Two students generally share residential rooms, though single rooms may be obtained for a premium when space is available. Most rooms are air-conditioned. All residences are furnished with a bed, a desk and chair, and a closet or wardrobe with chest of drawers for each resident.

The residence halls are staffed by student Resident Assistants (RAs). The RAs coordinate many co-curricular and extracurricular activities, competitions, and events. Recreation for residents is available at the UOG Calvo Field House with its weight room, exercise room, and indoor courts.

Application for residence on campus may be made with the Residence Halls Life Office. A \$100.00 reservation/security deposit is required at the time of the initial application. However, if a student's application is placed on the Waiting List, the security deposit is returned to the student and will be required only upon availability of a room in which the student is interested. Rooms are reserved (with deposits) on first-come-first-serve 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 \$50.00 refund from their deposits ONLY when they provide the Residence Halls Life 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 hall 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 Life Office before the first day of the contract period.

To receive a Housing application or additional information regarding the residence halls, contact the Residence Halls Life Office at:

Residence Halls Life Office  
University of Guam 303 University Drive,  
Mangilao, Guam 96923  
Phone: (671) 735-2260/1 Fax: (671) 734-2262  
E-Mail: rho@triton.uog.edu  
Webpage: <http://www.uog.edu/life-at-uog/residence-halls/life-in-the-halls>

Prospective residents are welcome to visit the residence halls Monday through Friday, from 8:00 to 5:00 p.m. Call 671-735-2260/1 to schedule a visit.

## **TRIO PROGRAMS**

The TRIO Program is responsible for the management of three federally funded programs: Student Support Services, Upward Bound and Educational Talent Search. The TRIO office is located at the UOG Calvo Fieldhouse 1<sup>st</sup> floor, left wing and 2nd floor and is open during regular working hours from 8:00 a.m. to 5:00 p.m.

### **STUDENT SUPPORT SERVICES (SSS)**

Student Support Services is a 100% federally funded program which provides free academic services to eligible University of Guam students. These services are designed to assist low-income, first-generation college students and students with disabilities in completing their bachelor degrees. Services available include: academic assistance in Math and English, academic guidance and counseling, financial aid searches, and cultural activities. A student is eligible to participate in SSS if the student meets one or more of the following: is a low-income individual, is a first generation college student, or is an individual with disabilities. SSS is located 2<sup>nd</sup> floor of the Field House and is open from Monday to Friday 8 a.m. to 5 p.m. The phone number is 735-2248 or Fax 734-7514.

### **UPWARD BOUND (UB) PROGRAM**

The Upward Bound (UB) program is a college preparation program hosted by UOG. It is 100% federally funded to serve 95 high school students currently attending one of Guam's public high schools (GW, JFK, SHS, SSSS and Okkodu). The program's main objectives are to: a) help improve standardized test scores; b) retain students in high school so they may graduate; c) provide college preparation; and d) enroll students in a postsecondary institution immediately after high school graduation.

UB's free services for eligible students include: academic support services; career and college prep activities; financial aid information and assistance; summer program at UOG; tutoring; study skills development; field trips; and more. For program information contact the TRIO Programs/UB Office at 735-1992/2245.

### **EDUCATIONAL TALENT SEARCH (ETS)**

ETS is a 100% federally funded program under the U.S. Department of Education, Higher Education Act of 1965, as amended by the US Higher Education Opportunity Act of 2008. ETS is a nationwide program under the TRIO umbrella. The ETS program serves 739 middle and high school students as well as young adults (until age 27). The purpose of the program is to provide encouragement to the participants in completing a high school education, information about post-secondary programs, and assistance in completing college admissions and financial aid applications. The program provides the services through workshops or in small sessions year round. Participants must be from low-income family background

according to the Federal Income Guidelines and/or be first-generation college students, to qualify for the program. ETS is located at the Field House, 2nd floor and is open from Monday through Friday, 8 a.m. to 5 p.m. The telephone numbers are (671) 735-1990/2246/2250.

## **EEO/ADA & TITLE IX OFFICE**

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

New students are required to affirm their understanding of student rights and responsibilities under the University's Sexual Misconduct Policy as part of the registration process and before class attendance. 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
- Be free from retaliation

If you have been sexually harassed, sexually assaulted, a victim of dating or domestic violence, gender-based harassment, bullying, or stalking, and need help, please contact our EEO Office. Even if you are unsure of what to do, call the UOG Helpline at 671-735-**HELP** (4357), and you will be connected with somebody who will assist you. We also stand ready to assist you if you wish to file a formal complaint through UOG and/or our local law enforcement. The University Sexual Misconduct Policy can be assessed at [http://www.uog.edu/sites/default/files/uog\\_sexual\\_misconduct\\_policy\\_revised\\_17\\_mar\\_2016\\_final.pdf](http://www.uog.edu/sites/default/files/uog_sexual_misconduct_policy_revised_17_mar_2016_final.pdf)





## ADMISSIONS AND RECORDS OFFICE

### UNDERGRADUATE – ADMISSIONS POLICIES AND PROCEDURES

The Office of Admission and 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 and Records  
 UOG Field House  
 Phone: (671) 735-2201/2202  
 Fax: (671) 735-2203  
 Email: [admitme@triton.uog.edu](mailto:admitme@triton.uog.edu)  
 website: [www.uog.edu](http://www.uog.edu)

### APPLICATION AND ADMISSIONS

Application and fee should be submitted as early as possible prior to the admission application deadlines as listed in the Academic Calendar. Applicants are notified of admission decisions on a rolling basis. Once applications are received and evaluated by the Admissions Office, applicants are notified that they have been admitted, or that their submission is incomplete. A decision to accept an application cannot be made until all required materials are on file and the application fee of \$52.00 and international student application with an application fee of \$77.00. (BOR Resolution No. 17-15)

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

#### APPLICATION FEES (NON-REFUNDABLE)

Entry Term	Resident	Non-Resident Foreign
FALL 2018	\$52.00	\$77.00
SPRING 2019	\$52.00	\$77.00
SUMMER 2019	\$52.00	\$77.00
FALL 2019	\$52.00	\$77.00

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

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

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

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

### **Right to Appeal**

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

### **New Student Placement Examination**

All entering freshmen must take the English and Mathematics Placement Examinations prior to registration. Transfer students may be exempted if an official transcript from an accredited U.S. college or university has been submitted indicating the completion with a "C" or better in the following: (1) three semester hours of college 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.

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

### **Test Scores**

Any student whose English placement test results show deficiencies in reading or writing must enroll in Introduction to College Composition EN109 either prior to or concurrently with her or his enrollment in other courses at the University and is classified as a transition student. Any student who is classified as a transition student may not enroll in any courses except transition courses until satisfactorily completing EN109. Transition course lists are kept and updated by the College of Liberal Arts and Social Sciences (CLASS). Contact CLASS for rules and procedures for retaking the English Placement Tests.

### **English Advanced Placement of New Students**

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 EN110 students who document a score of 4 or 5 are placed in EN 111 as well as given credit having taken EN110. 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 EN111 and given credit for having taken EN110. Additionally, the English Program recognizes students who take the International Baccalaureate (IB) Language A 1 exam. Students who document a score of 4 on the IB Language A1 exam are placed in EN109 (unless they take the UOG Placement Test and score higher); students who document a score of 5 are placed in EN110; and students who document a score of 6 are placed in EN111 as well as given a credit for having taken EN110.

### **Student Identification Number**

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

### **Admission of New Freshmen Students**

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

### **Admission of Home School Students**

Home school 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 Admissions and Records Office.

### **Special Students**

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

The following regulations and restrictions apply to special students:

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

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

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

### **Admission of Transfer Students**

Applicants are considered transfer students if they have enrolled for any college-level course work at another U.S. regionally accredited institution, full-time or part-time, since graduating from high school. Applicants are not considered transfer students if the only college-level classes they have taken were while enrolled in high school. To be considered for admission, transfer students must report all previous college work and have official transcripts forwarded to the Admissions Office directly from the issuing institution. Students who have successfully completed less than 15 semester hours of college credit must have high school transcripts indicating date of graduation or proof of successful completion of the General Educational Development (GED) Test sent directly to the Admissions Office from the issuing institution. Transcripts received by the University become the property of the University and will not be given to the student or reproduced under any circumstances.

### **Satisfactory Academic Performance**

Transfer students must demonstrate satisfactory academic performance as evidenced by an overall grade point average 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** who do not have a cumulative (overall) grade point average 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 grade point average 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 grade point average of less than 2.00 on a 4.00 grade scale

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

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

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

Prospective international applicants interested in the University of Guam should write to the Office of Admissions at least six (6) 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 Admissions and Records Office.

International applicants and students who are degree-seeking, must submit evidence of an adequate command of the English language by earning a satisfactory score on the Test of English as a Foreign Language (TOEFL), International English Language Testing System (IELTS) or enrollment and successful completion of the UOG English Language Institute Program.

	<b>PAPER BASE</b>	<b>COMPUTER BASE</b>	<b>INTERNET BASE</b>
<b>TOEFL SCORE</b>	<b>500</b>	<b>173</b>	<b>61</b>
<b>IELTS SCORE</b>		<b>5.5</b>	

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.

International applicants should observe the following:

- Complete the international student application with an application fee of \$77.00 (BOR Resolution No. 17-15)
- Provide a copy of valid passport.
- Provide to Student Health Service all immunization requirements (see Student Health Services section).
- One of the following evaluating companies may be used for evaluation of foreign transcripts:  
Education Credential Evaluators, Inc. - <http://www.ece.org>  
International Education Research Foundation, Inc. <http://ierf.org> or  
World Education Services, Inc. <https://www.wes.org>
- Take TOEFL or IELTS and request for official scores to be sent to Admissions & Records Office.

Information about TOEFL may be obtained by visiting [www.ets.org/toefl](http://www.ets.org/toefl) and IELTS at <https://www.ielts.org>

- Make adequate financial arrangements for the desired period of enrollment at the University of Guam. 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. Private scholarships may be available to international students based on various criteria. For more information, visit the Financial Aid Office link at <http://www.uog.edu/financial-aid/types-of-financial-aid>.
- Upon arrival at the University, take the placement tests in English & Math (see placement test schedule in the application booklet).
- On-campus housing accommodation is available on a first-come-first-serve basis. Arrangements for housing should be completed before the student's arrival on campus. Detailed information regarding Housing information may be obtained from the Director of Residence Halls Life, UOG (see Student Housing and Residence Life section).
- Most medical care services in the U.S. are extremely expensive. To protect UOG International Students from these high costs, the University requires all International Students to have medical health insurance by providing proof of coverage that is valid on Guam.
- Maintain full-time enrollment (12 credits or more) during the Fall and Spring Semesters.
- Maintain satisfactory academic progress with a minimum cumulative GPA of 2.00

Upon arrival at the University of Guam, the student should obtain an appointment as early as possible with the University Designated School Official at the Admissions and Records Office.

### **English Language Institute (ELI)**

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

**Admission of Former (Returning) Students** Former students who have not attended the University for at least one regular semester (Fall or Spring) of the current academic year are required to submit an Application for Re-Entry to the Admissions and Records Office 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 (UOG) are required and must be submitted directly to the Admissions and Records Office 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 grade point average 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 grade point average of 2.00 or better during the first semester of re-entry to be eligible for continued enrollment.

### **Second Baccalaureate Degree**

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

- ◆ The student files with the Registrar's Office a statement of approval by the dean of the college/school

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

In addition, the following regulations apply:

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

### **Admission of Non-Degree Students**

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

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

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

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

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

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

**Advanced High School – 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 (1) 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 (1) year immediately preceding June 15th of the year the award is to be awarded.
3. The student must have an overall academic grade point average 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;
  - a. 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 6 credit hours) and shall be a direct credit to the student's account at the UOG Business Office. NOTE: The 6 credits may be taken during separate semesters (not including Intersession).
13. The award shall cover only the equivalent of one
  - (1) Semester of part-time attendance at the University of Guam, i.e., six credits.
14. Recipients under this program shall maintain a 3.0 cumulative grade point average 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 grade point average.
16. Benefits are subject to the availability of funding.

**National Student Exchange (NSE):**

Study away and experience new places, ideas and cultures. You will challenge your perceptions and create memories that last a lifetime.

**Program Benefits**

The National Student Exchange provides a unique and exciting opportunity for students who wish to study away for an academic year, one semester or a summer 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

Please contact: Marlene Leon Guerrero, Program Coordinator at Tel.: 735-2201; Fax: 735-2203 or email: [mssl@triton.uog.edu](mailto:mssl@triton.uog.edu)

### **SENIOR CITIZENS**

Persons 55 years or older are 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 (5) years preceding enrollment (Public Law no. 24-151), and provided that they have been admitted to the University. Admissions into a course shall be on a space available basis or, if a course(s) 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 scheduled adjustment period (add/drop) of any regular (Fall/Spring) 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 intersession and summer classes or courses offered outside the regular semester. There are no waivers for courses or programs offered through PIP. For assistance, contact the assigned coordinator at the Records Office. All admissions and enrollment requirements apply.

### **VETERANS & MONTGOMERY GI BILL**

- All branches of the military both Active, Reserve, and National Guard provide financial assistance to their personnel and their dependents.
- Financial assistance covers a portion of the tuition, fees, books, and supplies. (up to \$1000 per academic year– based on enrollment status and eligibility percentage).
- Not all branches nor Services provide the same benefits. You should contact the POC in financial aid for more information.
- You may file an application at the Financial Aid Office.

See **RESOLUTION NO. 12-16** Relative To Approving The Recommendation Of The Student Affairs, Scholarship, Alumni Relations And Honorary Degree Committee During Its Meeting Of August 8, 201 On The Granting Of Resident Tuition Rates For Students Eligible For Education Benefits Under The Post 9/11 Veterans Educational Assistance Act Of 2010 (PI 111-377)

### **ACTIVE DUTY MILITARY PERSONNEL**

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

### **MILITARY ACTIVATION DURING WARTIME OR FOR MANDATORY TRAINING**

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

## REGISTRATION

### Academic Advisement

Although the academic advising of students may occur throughout the academic year, it is especially important prior to registration for classes. Students are urged to contact an advisor as soon as the class 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 registration, as well as 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)

### Changes in Course Schedule

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

### Resident and Non-Resident Students

An applicant is initially classified as a resident or non-resident for tuition purposes at the time of application with the Office of Admissions. The classification, which is certified by the Registrar, is based upon information furnished by the student and from other relevant sources. In compliance with the Residency Policy passed by the Board of Regents on February 1996 and amended on May 1997, June 17, 2004 and December 13, 2012, students in Non-Resident status are required to pay non-resident tuition.

The considerations used in determining Residency status are as follows:

- a. Establishment of a domicile on Guam or in one of the Freely Associated States (the Commonwealth of the Northern Marianas Islands, the Federated States of Micronesia, the Marshall Islands, or the Republic of Palau) as mandated by 17GC16125. (a) for a period of twelve month prior to the beginning of the term for which residency is claimed, or
- b. Evidence of residency for a period of twelve 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 following<sup>1</sup>:
  - 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.

- Continue to use a Guam permanent address on ALL RECORDS (educational, employment, military, financial).
  - Retain your Guam voter's registration.
  - Maintain 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.
  - Village Mayor's certification of residency.
- c. 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 twelve consecutive months prior to applying to the university and have submitted the following supporting documents:
- A Notice of Action for the Adjustment to Permanent Resident Status from the USCIS.
  - Proof of residency (documents to prove living on Guam for the last twelve months prior to applying to the university).

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.

The burden of proof is upon the student making a claim to resident student's 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.

### **Exemptions to the twelve-month requirement where resident classification may apply<sup>1</sup>:**

#### **Graduate of a Guam High School**

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 high school in Guam for three or more years AND graduated from a Guam high school. You are not eligible for this exemption if you are a nonimmigrant alien.

#### **Attended Elementary and Middle School 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. You are not eligible for this exemption if you are a nonimmigrant alien.

#### **Active Military Duty**

United States 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.

#### **Legal Place of Residency**

You may be entitled to an exemption from nonresident 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.



### **Permanent Residence**

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.

**<sup>1</sup>Non immigrant aliens, e.g. B,F,H,E Visa holders, are classified as non-residents and are not qualified for resident tuition rates or exemptions.**

### **Classification Appeal**

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

## **WITHDRAWAL POLICY**

### **Administrative Drop**

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

### **Student-Initiated Schedule Adjustment/ Add/Drop**

Students may drop from a class or classes during the first week of instruction of a regular semester and the first day of a summer 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 summer session through the third week of each summer 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 summer session, students may NOT withdraw from individual courses without submitting to the Records Office a Petition to Withdraw form that has been approved by the class instructor and the student's advisor. Students requesting a complete withdrawal from the University must file a withdrawal form available at the Records Office and obtain the required signatures. See *Cancellation Fee* section for applicable charges.

### **Unofficial Withdrawal**

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

### **CANCELLATION OF REGISTRATION**

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

### **TRANSFER OF COLLEGE-LEVEL CREDIT**

Transfer students' transcripts must be forwarded by the Registrar of the institution previously attended directly to the Registrar at the University of Guam. Determination of acceptable courses and credit hours from other institutions and the particular courses which 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 and Records to evaluate the credits.) The Registrar's decision is final. Furthermore, students must earn thirty (30) semester hours at the University before an evaluation can be made.

Lower-division transfer courses that are equated to upper-division courses at the University of Guam do not carry upper-division credits, even though they may satisfy certain University of Guam upper-division course requirements. They do not relieve the student of the requirement of having a minimum of 40 upper-division credits for graduation. See the last pages of this catalog for details on articulation agreements with Regional Community Colleges.

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

- Correspondence credits must have been earned from an accredited college or university.
- Those USAFI and correspondence courses submitted to the University of Guam as transfer credits may be applied toward major or minor program requirements when approved by the college school in which the degree program is offered; and

- Credit hours from these sources cannot be substituted for those credit hours to be earned at the University as part of the residency requirements of the University of Guam.

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

- 35th to 49th percentile: EN110 - 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	LW442
Principles of Management	50	BA240
Principles of Marketing	50	BA260
Intro to Educational Psych.	50	ED300
Human Growth & Dev.	50	ED201

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 and Records. Credit from these examinations may also be used to fulfill course requirements in major areas with departmental approval.

### **DEFENSE ACTIVITIES FOR NON-TRADITIONAL EDUCATION SUPPORT (DANTES) EXAMINATIONS**

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

Freshman Composition	EN110	3 credit hours
Writing for Research	EN111	3 credit hours

The University will also accept the following DANTES Subject Examinations for credit if the student's score, reported by ETS, reaches or exceeds the 50<sup>th</sup> percentile rank:

Numbers	Titles	UOG Equivalent
SB433	Statistics	MA385
SA960	Quality Control I	MA385
SB453-4	Principles of Economics I & II	BA110
SA497	Introduction to Law	LW101
SA525	Principles of Acct.	BA200
SB533	Law and Ethics in Business and Government	LW442
SB534	Business Law II	LW443
SA539 & SB543	Princ of Mgmt. & Intro. to Business	BA240
SA548	Money and Banking	BA321
SA549	Marketing	BA260

### **POLICY GOVERNING CONTINUING EDUCATION UNITS (CEUS)**

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 1 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:

- One CEU is defined as ten contact hours of participation in an organized continuing education experience, under responsible sponsorship, capable direction, and qualified instructors.
- Program objectives, content, format, methods of instruction, methods of evaluation, and program schedules will be established prior to the determination of the number of contact hours and appropriate CEUs. CEUs do not convert to degree credit. CEUs may be integrated into regular credit course work but must be approved on a course-by-course basis by the appropriate college academic affairs committee.
- Permanent records for individual participants in CE programs will be kept.
- Course fees will be negotiated between the requesting agency or individuals and the University.
- Implementation of all continuing education programs will be in accordance with the criteria and guidelines of the University of Guam.
- Review, evaluation and approval of CEUs for an educational experience are the responsibility of the Director of PIP. Contact at 671-735-2600.

## ACADEMIC RULES AND REGULATIONS

### CREDIT HOURS, CLASS LOADS, AND CLASS LEVELS

**Credit hours** In general, each credit unit or hour represents one hour per week in class a (face to face or on-line) 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 6 credit hours per summer sessions (A,B,C). A combination of a 3-credit course and a 4-credit laboratory plus lecture course, for a total of 7 credits, will be considered a permissible exception to the 6-credit normal class load for a student during summer sessions A, B, C. A full-time student is defined as one registered for at least 12 credits during both Fall and Spring 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 she or he 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 she or he 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 Center for Continuing Education Courses.

**Excess credits** taken in excess of the 24-credits maximum (per regular semester)/(18- credits (summer 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** Student's class levels are determined on the basis of credit hours earned, as follows:

Freshman:	1 to 30 credits, inclusive
Sophomore:	31 to 60 credits, inclusive
Junior:	61 to 90 credits, inclusive
Senior:	91 credits and above

### GRADES, GRADE POINTS, AND GRADE POINT AVERAGES

#### **Academic Records**

The Admissions and Records Office maintain 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** 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:

<b>A+</b>	<b>[4.00] Outstanding</b>
<b>A</b>	<b>[4.00] Excellent</b>
<b>A-</b>	<b>[3.70] Approaching Excellent</b>
<b>B+</b>	<b>[3.30] Very Good</b>
<b>B</b>	<b>[3.00] Good</b>
<b>B-</b>	<b>[2.70] Approaching Good</b>
<b>C+</b>	<b>[2.30] Above Average</b>
<b>C</b>	<b>[2.00] Average</b>
<b>C-</b>	<b>[1.70] Below Average</b>
<b>D+</b>	<b>[1.30] Approaching Average</b>
<b>D</b>	<b>[1.00] Marginal</b>
<b>D-</b>	<b>[0.70] Below Marginal</b>
<b>F</b>	<b>[0.00] Failure</b>
<b>P</b>	<b>Pass</b>
<b>I</b>	<b>Incomplete</b>
<b>NC</b>	<b>No Credit</b>

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

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

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

## **APPLICATION FOR ENROLLMENT AS AN AUDITOR**

### **Auditor (Special)**

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

- Procures the Special Auditor Form from the Records Office;
- Secures the signature of the instructor of the course;

- Takes the signed form to the Business Office and pays the prescribed special auditor's fee; and
- Presents the Business Office receipt to the instructor of the course as her or his admission to the class.

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

### **Auditors (Regular)**

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

- Complete the Application for Enrollment As An Auditor available at the Admissions and Records Office;
- Obtain a written permission of the instructor, write "audit" in the place of "credits hours" on the advisement and registration form;
- Pay a fee equivalent to the tuition rate and registration fees;
- The signatures of her or his advisor or Obtain the department head of her or his major, and the instructor of the course(s).

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

### **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 which 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 and 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.

### **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 the total hours required (124) at the University of Guam with letter grades in order to be eligible for honors at graduation. Courses graded Pass/Fail/No Credit will not be included in the required minimum.

- **Summa Cum Laude** 3.900 or higher cumulative grade-point average
- **Magna Cum Laude:** 3.700 to 3.899 cumulative grade-point average
- **Cum Laude:** 3.500 to 3.699 cumulative grade-point average

### **Grade-point average (GPA)**

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

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

**Minimum grade-point average requirements** Students are required to maintain a minimum grade-point average 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 Fall 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 BBA 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 and Public Administration degree program, later in this catalog.

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

### **President's List, Dean's List**

Full-time undergraduate students who are seeking their first baccalaureate degree and achieve at least a 3.500 grade point average (GPA) for all course work 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 or the President's List for two consecutive regular semesters (does not include inter-session or summer sessions). 1) A Regent Scholar who has failed to be named to the Dean's or President's list for **two** semester shall forfeit the award. He/she may be reinstated if placed again on the Dean's 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 grade point average for two consecutive semesters approved under the Board of Regents. Contact the Financial Aid Office for more information.

## **DEVELOPMENTAL COURSES**

Developmental Mathematics: MA085a-b or MA089 Lecture. The Fundamentals of Mathematics course is designed to provide the background necessary for advancement in mathematics and success in all disciplines. Placement into this course is determined by the Mathematics Placement Test.

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

## **HONORS PROGRAMS**

The University of Guam Honors Program provides enriched learning opportunities for academically outstanding and intellectually ambitious students. We are 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 (9) semester hours of honors courses (designated by an "H"). After completing 9 semester hours of honors courses, a student must apply for acceptance as an Honors Student in order to continue in the Honors program. To be accepted as an Honors Student, a student must have, at the time of application, a minimum GPA of 3.000. Once accepted as an Honors Student, the student must maintain a GPA of 3.300.

### **Honors Listing on Transcript**

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

### **Contracting for Honors Credit in Regular Courses**

Students may contract for up to 9 semester hours of lower level honors credit and 3 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 are eligible to apply for admissions to honors.
- ◆ All incoming freshman with a high school average of "B" or better are invited to participate in honors
- ◆ All Merit Scholarship recipients and Dean's List Students are invited to enroll in honors courses.
- ◆ Faculty are asked to recommend students for honors and to encourage promising students to enroll in honors.
- ◆ Students qualifying for advanced placement are offered advanced placement in honors.
- ◆ Currently enrolled honors students are asked to recommend their peers and to encourage their peers to apply for admission to honors.

**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 Deans of their respective school or college and/or check with your honors advisor or the Director of the Honors Program.

## **DEGREES: REQUIREMENTS AND REGULATIONS**

### **Residence requirement**

In order to receive a baccalaureate degree from the University of Guam, a student must complete at least 32 credit hours for the degree in residence at the University of Guam. The residence requirements will not be waived under any circumstances. A student who is no longer in residence at the University of Guam may request to be graduated in absentia. In this situation, no more than 16 semester hours of the last 28 semester hours attempted may be completed in absentia. In absentia credit hours must be

completed over the next two consecutive semesters following departure for UOG. Diplomas for those graduating in absentia are filed at the Admissions and Records Office. Graduates who wish to have their diplomas mailed to them must pay the postage applicable at the time they file the request.

**Minimum grade-point average 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 grade point averages).

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.

#### **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 the total hours (62) credits of the 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.

#### **Outstanding Balance**

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

## **Academic Evaluation**

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

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

What's on my diploma?

- Diplomas include the following information: Student's name (first, middle, and last), degree and major.
- University honors included for qualifying students.
- Diplomas DO NOT include minors.  
Minors will be officially included on your official record (transcript).
- Double major degrees are listed on one diploma however, a student may request and make payment for a separate diploma for each degree.

**Program requirements (catalog in force) for graduation** Students will be allowed ten (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 ten-year time-line 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. (Summer sessions are not regular semesters.)
- ◆ A student changes majors by filing a Change of Major form filed with the Office of Admissions and Records. (except as indicated below).

**Election to change catalog in force** (1) 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 ten-year time-line will be dated from the time of the request. (2) 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 ten-year time-line will be dated either from the time of first admission or from the time a major is declared, whichever one the student chooses.

**Substitutions of courses or major if no longer available** Students should be aware that the University of Guam does not guarantee that all courses or all programs (majors) will continue to be offered during the ten-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 (1) may select another major from the catalog in force and must complete the requirements with the time specified for that plan; or (2) may select a major from the catalog in force at the time of change, thereby establishing a new time-line.

### **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, and 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 it will be a requirement for graduation. Transcripts and diploma will not be released until such requirements are met. Questions regarding this administrative requirement may be addressed to the Office of Institutional Effectiveness. E-Mail: [oiie@triton.uog.edu](mailto:oiie@triton.uog.edu) and Phone: 735-2646. If you would like to request for accommodations when taking these assessments, please contact Ms. Sallie Sablan at least two weeks prior to testing. Email: [sssablan@triton.uog.edu](mailto:sssablan@triton.uog.edu) / Tel: 735-2460.

### **COURSE PREREQUISITE AND COURSE CREDIT**

**English Prerequisite** Students are not permitted to enroll in 300- or 400-level courses until they have completed EN111 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:** AR303, AR305, AR306, AR308, AR310, AR311, AR320, AR384, AR405, AR406, AR407, AR408, AR409, AR420, AR421 (Studio Courses), AR390/AR490 (Studio Projects), AR392/AR492 (Studio Courses), AR393/AR493 (Studio Workshops), AR394/AR494 (Studio Special Studies).

**Languages:** Any 300- or 400-level language course

**Theatre:** TH390/490 (Performance Projects), TH392/492 (Performance Courses), TH393/493 (Performance Workshops), TH394/494 (Performance Studies).

**Math Prerequisite** Students placed into the Developmental Math Program (DMP) are not permitted to enroll in 300- or 400-level courses until they have completed MA085b or MA089. Enrollment in any 300- or 400- level course by any student placed into the DMP who has not completed MA085b or MA089 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 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 EN111 and MA085b or MA089, 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 her or his advisor, take classes within her or his particular class level (freshman, sophomore, junior, or senior). Other prerequisites are usually listed in the course descriptions. Students should check prerequisites before enrolling in a course.

## **ENROLLMENT IN LOWER-LEVEL COURSE AFTER COMPLETION OF UPPER-LEVEL COURSE**

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

### **Course Waivers**

The University makes special allowances to waive a course under circumstances in which a student has demonstrated satisfactorily that she or he would not materially benefit from that course because of her or his 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 and Records.

### **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 EN110 and may be placed directly in EN111.

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 CLASS Dean.

### **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 EN110; students who document a score of 4 or 5 are placed in EN111 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:

39<sup>th</sup> to 49<sup>th</sup> percentile: Students are placed in EN 111 and given credit for having taken EN110. 50<sup>th</sup> percentile or above: Students need not take Freshman Composition but are given credit for having taken EN110 and EN111.

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 EN109 (unless they take the UOG Placement Test and score higher); students who document a score of 5 are placed in EN110; and students who document a score of 6 are placed in EN111 as well as given a credit for having taken EN110.

Exam	Score of 3	Score of 4	Score of 5
AP Calculus AB	5 credits of MA203**		
AP Calculus BC*	5 credits of MA203**	5 credits each of MA203 and MA204**	
AP Statistics	3 credits of MA151**		

\*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 MA203.

\*\*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 MA161a/MA165 (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.

### **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 she or he 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 she or he 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 Time Frame** 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 summer 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 on them.

**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 grade point average will be recorded in the Registrar's office.

**Fees** For individual courses, the person will be charged the same tuition fees per credit hour she or he would pay if registering for the course.

### **SENIORS TAKING GRADUATE COURSES**

**Graduate Courses** Under certain circumstances a senior standing student with a cumulative GPA of 3.000 or better may take certain 400G or 500-level courses for graduate credit. If the credits are counted toward a baccalaureate degree, they may not also subsequently 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 her or his advisor or the department head of her or his major and the Interim Assistant Vice President for Academic Excellence/Director of Graduate Studies.

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

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

### **ACADEMIC PROBATION, SUSPENSION, DISMISSAL FOR FAILURE TO MAINTAIN MINIMUM GPA**

**Academic Probation** If at the end of any given semester, a student fails to maintain minimum cumulative grade point average of 2.000, she or he 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), she or he 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. She or he 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 her or his petition is approved, she or he 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 she or he will be dismissed again. Students who are dismissed a second time may not appeal for readmission until three calendar years have passed.

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

### **Retaking of Course**

A student may repeat any course at UOG in which they attain a course grade of "C-", "D", "F", or, "W" one time without university-required intervention. This does not limit earlier intervention as may be required at the school, college, or department level. Any student desiring to retake a C-/D/F/W course for a third or subsequent time must receive formal counseling from their academic advisor and course approval from the appropriate school or college Dean. UOG does not limit on 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 grade-point average, transfer and or graduation records.

**Leave of Absence** The University of Guam does not permit leaves of absence except as described in the Academic Standing Policy.

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

## **ACADEMIC RENEWAL**

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

**Time requirements and evidence of change** At least three full calendar years must have elapsed since the end of the last semester in which the applicant was enrolled. The applicant may be asked to present adequate evidence that the conditions which 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 her or his 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 her or his program. That is, none of the credits earned previously can be used in the student's program after readmission 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 APPEAL 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 Admissions & Records Office.

### **FIRST YEAR EXPERIENCE COURSE REQUIREMENT- FY100**

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 can not register for further classes until they have registered and successfully completed the course. The course will help orient students to the resources available at the University of Guam and to assist individuals in becoming successful members of the campus community. This course is intended to help students make a successful transition into university life.

### **ADVISEMENT AND DECLARATION OF MAJOR**

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

- ◆ Undeclared majors who have earned less than 60 credits: Counselors or college advisors if they are undeclared in a college.
- ◆ All declared majors not covered by either of the above: Academic major 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 one-half of the required credits for graduation have been completed. (See Degrees: requirements and regulations) Evaluations desired at any time prior to the accumulation of 60 credit hours are the responsibility of the student, in conference with the academic advisor and/or program chairperson. 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 junior year (60 credits).

## **PROGRAM DISCONTINUATION AND TEACH-OUT POLICY**

Academic programs may only be removed upon approval of the Board of Regents after an extensive consultation process as per BOR Resolution policy 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 and 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. Resolution - NOW THEREFORE BE IT RESOLVED that the UOG Faculty Senate hereby endorses the GERC's recommendation to offer our continuing students who entered the University prior to Fall 2017, the same opportunity we offer the transfer students by providing a three-year grace period for determining which General Education Framework to follow not to extend beyond 2019; and BE IT FURTHER RESOLVED that the Senate endorses the GERC recommendation that this "same opportunity" apply to students who are changing their major (only if the major still exists in the appropriate 2017, 2018, or 2019 catalog). Adopted this 19 Day of October 2017.”

## TUITION AND FEES

### Tuition, Fees, and Other Expenses

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

**Payments:** UOG 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.

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

## TUITION RATES

### FALL 2018, SPRING AND SUMMER 2019

STATUS	Cost Per Credit Undergraduate	Cost Per Credit Graduate
RESIDENT	\$210	\$285
NON-RESIDENT	\$504	\$650

**AUDITING or CREDIT BY EXAM:** Same as other courses. At the time of registration, all students must pay the following fees:

	SPRING2018	SUMMER 2019
Registration	\$12.00	\$12.00
Student Services	\$44.00	\$24.00
Library Services	\$48.00	\$48.00
Student Activities	\$24.00	\$24.00
Health Services	\$12.00	\$12.00
Athletics	\$32.00	\$16.00
Computer Fee	\$48.00	\$48.00
Calvo Field House	\$22.00	\$11.00
Internet	\$100.00	\$90.00
On-Line Learning fee	\$40.00	\$20.00
<b>TOTAL:</b>	<b>\$382.00</b>	<b>\$305.00</b>

Undergraduate students taking 5 credits or less will be charged 50% of the student fee for the regular fall and spring semesters. Undergraduate students taking 5 credits or less during the summer term inclusive of sessions, A, B, and C, would be assessed a flat fee of \$152.50.

If a student's financial obligations have not been met, the Office of Admissions and 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.

**Payment Deadline** Payment deadlines are advertised each semester and during the summer terms in the Course Schedule advertisement. Please refer to current course schedule for payment deadlines.

### CANCELLATION FEE

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

#### FALL AND SPRING SEMESTER

	BEFORE THE 1 <sup>ST</sup> DAY OF CLASS	DURING THE 1 <sup>ST</sup> WEEK OF CLASS	AFTER THE 7 <sup>TH</sup> DAY OF THE SEMESTER
<b>TUITION:</b>	<b>0%</b>	<b>5%</b>	<b>100%</b>
<b>FEES:</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>

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

#### SUMMER SESSION/INTERSESSION

	BEFORE THE 1 <sup>ST</sup> DAY OF EACH SESSION	THE 1 <sup>ST</sup> DAY OF EACH SESSION	AFTER THE 1 <sup>ST</sup> DAY
<b>TUITION:</b>	<b>0%</b>	<b>5%</b>	<b>100%</b>
<b>FEES:</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>

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

### English Language Institute (ELI)

<b>Application Fee</b>	\$352 (one-time non-refundable fee)
<b>Registration Fee</b>	\$52 (paid each semester by continuing students)
<b>Tuition</b>	\$2,800 for each 14-week semester
<b>UOG Fees</b>	\$249.00 (Fall & Spring Terms) \$198.50 (Summer Term)

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

The tuition rates for ELI are given below:

	<u>Fall 2018 &amp; Spring 2019</u>	<u>Summer</u>
<b>Tuition</b>	\$2,800.00	\$2,800.00
<b>Application Fee</b>	\$ 352.00	\$ 352.00
<b>UOG Fees</b>	\$ 249.00	\$ 198.50
<b><u>Total New Student:</u></b>	<u>\$3,401.00</u>	<u>\$3,350.50</u>
<b>Tuition</b>	\$2,800.00	\$2,800.00
<b>Registration Fee</b>	\$ 52.00	\$ 52.00
<b>UOG Fees</b>	\$ 249.00	\$ 198.50
<b><u>Total Returning Student:</u></b>	<u>\$3,101.00</u>	<u>\$3,050.50</u>

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

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

**Academic Year 2018-2019**

- |   |                    |
|---|--------------------|
| • Application Fee (Non-Refundable) must accompany all applications. | \$52.00            |
| • Application Fee for International Student                         | \$77.00            |
| • Change-of-Schedule Fee:   | See "Drop/Add Fee" |
| • Copy Charge:  | 10¢ per page       |
| • Check Service for Each Check that Fails to Clear the Bank         | \$25.00            |
| • Graduation Fee:   | \$49.00            |
| • Graduation Reapplication Fee:                                     | \$24.00            |
| • Dorm Meal Plan Fee  | \$800.00           |

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 her/his financial obligations to the University. Additional copies may be obtained at \$5.00 per copy. Students may obtain copies of their transcripts in one hour when necessary by paying a special service charge of \$20.00 in addition to transcript fees. (Note: the service charge is assessed per request, not per transcript.)

For example, if a student needs three transcripts and requests one-hour service, the total charges will be \$35.00: (\$15.00 for three transcripts plus the \$20.00 service charge.)

**Books and Supplies**

Books and supplies are available at the University Bookstore 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.



**DOWNLOAD TRITONGO**



# GENERAL EDUCATION REQUIREMENTS

## General Education at the University of Guam

*Ina, Deskubre, Setbe,*  
To Enlighten, to Discover, to Serve

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

### A Three Tiered Structure

After extensive reviews and discussion, the UOG Faculty Senate General Education Review Committee (GERC) developed a three-tiered framework to the General Education curriculum. Tier I (called *Core Foundation*) provides a foundation of the five WASC core competencies. Tier II (called *Breadth through Diversity and Direction*) provides the breadth needed for successful and healthy living as well as direction toward and into a major. Tier III (called *Capstone Experience*) fosters mastery of the core competencies embedded within program objectives enhanced by the values of modern academia (creativity, innovation, diversity, ethical and civic responsibility, and civic engagement<sup>1</sup>). The three tiers work together to meet the aspirations of academia while fulfilling the mission of the University of Guam and satisfying WASC expectations.

### General Education Requirements

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

### NOTES ON GENERAL EDUCATION COURSES:

- (i) Some of the courses listed below have pre-requisites.
- (ii) No one course may satisfy more than one general education requirement.
- (iii) Students are advised to check the requirements for their major before taking general education courses.
- (iv) 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. No one course may satisfy more than one general education requirement.

**Table 1**

Summary of General Education Requirements.

**GENERAL EDUCATION TIER REQUIREMENTS**

**Tier I: Core Foundation – 15 credits required**

**Tier II: Breadth Through Diversity and Direction**

Diversity Foundation: 16 credit hours

Uniquely UOG: 7 credit hours

Direction Building: 9 -11 credit hours

**Tier III: Capstone Experience – 0 credit hours for general education**

**Total: Up to 47 credit hours (\*plus possibly 2 lab hours)**

**Tier I: Core Foundation**

The WASC core competencies include written and oral communication, quantitative skills, information literacy, and critical thinking. The core competencies provide a unifying foundation by establishing common learning 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).

**Written Communication:**

EN110 Freshman Composition 3 credits

**Oral Communication:**

CO210 Fundamentals of Communication 3 credits

**Quantitative Reasoning:**

MA110 Basic Mathematical Applications\* 3 credits

**Information Literacy:**

EN111 Writing for Research 3 credits

**Critical Thinking:**

CT101 Critical Thinking 3 credits

\* or higher

**Tier II: Breadth through Diversity & Direction**

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



## **Diversity Foundation**

The Diversity Foundation is made up of five themes. The five themes are Science & Math; Human Science; Creative and Expressive Arts, Human Systems and Organization; 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).

## **SCIENCE TECHNOLOGY ENGINEERING & MATH (STEM)**

### **1. Science & Math**

**3-4 Credits**

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

AL101/L	Introduction to Agriculture
AL102/L	Introduction to Plant Science
AL109/L	Insect World
AL136/L	Science of Aquaculture
BA130	Introduction to Computers and Applications
BI100/L	Environmental Biology
BI103/L	Marine Biology
BI201	Natural History of Guam
CH100/L	Introduction to Inorganic Chemistry
CH101/L	Introduction to Organic Chemistry
CH102/L	General Chemistry
CH103/L	General Chemistry
CS200	Computer Applications and Lab
GE203/L	Principles of Physical Geography
MA115	Introductory College Algebra
MA151	Introductory Statistics
PA205	Basic Statistics for Business and Economics

### **2. Human Science**

**3-4 Credits**

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

AL101/L	Introduction to Agriculture
AL102/L	Introduction to Plant Science
AL109/L	Insect World
AL136/L	Science of Aquaculture
AL185	Nutrition and Health
AN203	Introduction to Archaeology
BI110/L	Human Biology
GE101	Introduction to Geography

HS200	Health and Wellness
PI210	Introduction to Logic
PS215	International Relations
PY101	General Psychology
SO101	Introduction to Sociology
SO221	Sociology of Health and Medicine

## **HUMANITIES**

### **3. Creative and Expressive Arts**

**3 Credits**

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

AR101	Introduction to Art
AR102	Studio for Non-Majors
EN210	Introduction to Literature
MU101	Music Fundamentals
MU102	World Music
MU106	Introduction to Music
MU110	Class Voice
MU121	Beginning Class Piano
TH101	Introduction to the Theater
TH102	Acting I

### **4. Human Systems and Organizations**

**3 Credits**

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

BA110	Principles of Economics
CO106	Introduction to Mass Communications
GE201	World Regional Geography
HI121	World History I
HI122	World History II
LN101	Introduction to Language
PI101	Introduction to Philosophy
PI102	Contemporary Ethical Problems
PS101	Introduction to Government and Politics
SO202	Contemporary Social Problems
SW110	Introduction to Community Services on Guam
WG101	Introduction to Women and Gender Studies

### **5. Cultural Perspective**

**3 Credits**

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

AN101	Introduction to Anthropology
ED265	Culture and Education on Guam
HI211	History of Guam
HI243	History of Micronesia
PI103	Introduction to Asian Philosophy
PS202	Government in the United States
SW201	Social Welfare and Development: Global Challenges

### **Uniquely UOG**

**7 Credits**

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:

CM101	Elementary Chamorro
CI101	Elementary Chinese
FR101	Elementary French I
GN101	Elementary German I
JA101	Elementary Japanese I
KO101	Elementary Korean I
PN101	Conversational Pohnpeian
SN101	Elementary Spanish
TA101	Conversational Tagalog

#### Regional:

BI100/L	Environmental Biology
BI103/L	Marine Biology
BI201	Natural History of Guam
ED265	Culture and Education In Guam
EN213	Literature, Myth, and Culture
HI211	History of Guam
HI243	History of Micronesia
JA215	Japanese for Tourism
PS225	State and Territorial Government
PY100	Personal Adjustment
SW110	Introduction to Community Services in Guam

## **Direction Building**

**9-11 Credits**

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

## **Tier III: Capstone Experience**

### **Program Major Capstone course**

**0 GE Credits**

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



**STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS**

Tier I - Core Foundation (CF): 15 required credits – Minimum grade of C. Complete within first 3 semesters		SEM/ YR	CR	
EN 110 Freshman Composition (Written Communication)				
EN 111 Writing for Research (Information Literacy)				
MA110 Basic Math.... OR Higher Math Course (Quantitative Reasoning)				
CO 210 Fundamentals of Communication (Oral Communication)				
CT101 Critical Thinking (Critical Thinking)				
Tier II – Diversity Foundation Themes (DF):		Courses Taken	SEM/ YR	CR
STEM (one course in this area must include a lab)				
<b>Science and Math: 3-4 credits</b> Agriculture: AL101/L, AL102/L, AL109/L, AL136/L Chemistry: CH100/L, CH101/L, CH102/L, CH103/L  Geography: GE203/L		Biology: BI100/L, BI103/L, BI201  Computer Science: CS200 Math: MA115, MA151 Business Administration: BA130, PA205	1)	
<b>Human Sciences: Select 3-4 credits</b> Agriculture: AL101/L, AL102/L, AL109/L, AL136/L, AL185 Biology: BI110/L Geography: GE101 Philosophy: PI210 Psychology: PY101		Anthropology: AN203 Health Sciences: HS200 Political Science: PS215 Sociology: SO101, SO221	1)	
<b>Humanities Creative and Expressive: 3 credits</b> Art: AR101, AR102, Music: MU101, MU102, MU106, MU110, MU121		English: EN210 Theater: TH101, TH102	1)	
<b>Human Systems &amp; Organization: 3 credits</b> Business Administration: BA110 Communications: CO106 History: HI121, HI122 Philosophy: PI101, PI102 Social Work: SW110 Women and Gender: WG101		Geography: GE201  Linguistics: LN101 Political Science: PS101 Sociology: SO202	1)	
<b>Cultural Perspectives: 3 credits</b> Anthropology: AN101 History: HI211, HI243 Political Science: PS202		Education: ED265 Philosophy: PI103 Social Work: SW201	1)	
Uniquely UOG (UU) 7-8 credits (4 credits must be from a language)				
Biology: BI100/L, BI103/L, BI201 Education: ED265 English: EN213 History: HI211, HI243 Political Science: PS225		Japanese: JA215 Psychology: PY100 Social Work: SW110  LANGUAGE: Any 101 or 102 Language course	1)  2)	
Direction Building (DB) 9-11 credits				
1) Business Administration: BA110 2) CF, DF or UU as Pre-Requisite (Can be within a declared Major) 3) DF or Major Exploration 4) DF Exploration outside major requirements (May apply to a Minor or 2nd Major)			1) 2) 3)	
Tier III - Capstone Experience				
Capstone Course: 0 credits in GE (Course within major)				
1) Major Capstone Experience			1)	

## DESCRIPTION OF MAJORS FOR EACH COLLEGE

### COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES



#### DEGREES

The College of Liberal Arts and Social Sciences offers baccalaureate degrees in the following programs: Anthropology, Chamorro Studies, Communication (Communication Studies and Public Relations, Journalism and Mass Media) English (Literature, Language, or Education Emphases), Fine Arts (Art, Music, and Theater tracks), and History, Philosophy, Political Science, Psychology, and Sociology.

Minors are offered in Anthropology, Chamorro Studies, Communication, English (General or Writing), Fine Arts (Art, Music and Theater tracks), Geography, History, Japanese Language, Philosophy or Ethics, Political Science, Psychology, Sociology, Women and Gender Studies.

The College of Liberal Arts and Social Sciences awards Master of Arts Degrees in English, and Micronesian Studies and a Master of Science Degree in Clinical Psychology.

#### HISTORY OF THE COLLEGE

The College of Liberal Arts and Social Sciences, previously the College of Arts and Sciences and before that the School of Arts the year the University granted the first Bachelor of Arts degree. Academic disciplines providing the core of General Education courses were grouped in departments during the time of the Territorial College of Guam and were combined into divisions when the College of Guam became a four-year institution.

The College of Liberal Arts and Social Sciences has four divisions: The Division of Communication and Fine Arts, the Division of English and Applied Linguistics, the Division of Humanities, and the Division of Social and Behavioral Sciences. Buildings house facilities for instructional laboratories in English, indigenous and international languages, broadcast and print journalism, anthropology, geography, and psychology. Two and three-dimensional visual arts studios, music studios, and a theater workshop and theater performing facility are in the Fine Arts Building. ISLA Center for the Arts is an art gallery supporting Fine Arts studies. Modern classrooms and office space create an academic environment for learning, research, community involvement, and university service.

#### ADMINISTRATION

The College is led by the Dean. The Dean's Office is on the third floor of the Humanities and Social Sciences Building and serves as the central coordinating and supervisory unit for the academic, research, and service activities of the four divisions. The Dean's Office is supported by an Administrative Officer

and two secretaries. Functional and coordinating support for each division is provided by the Associate Dean, faculty chairs, administrative assistants and secretaries.

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

Questions about any of the College's programs should be directed to:

Dr. James Sellmann, Dean  
College of Liberal Arts and Social Sciences  
U.O.G. Station Mangilao, GU 96923  
Tel: 735-2850 Fax: 734-3410  
Email: jsellmann@triton.uog.edu

Dr. Sharleen Santos-Bamba, Ph.D., Interim Associate Dean  
College of Liberal Arts and Social Sciences  
U.O.G. Station Mangilao, GU 96923  
Tel: 735-2854 Fax: 734-3410  
Email: sbamba@triton.uog.edu

## **PHILOSOPHY**

The College of Liberal Arts and Social Sciences 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 of Liberal Arts and Social Sciences actively contributes to the development of skills, knowledge, and values necessary to 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. In addition, key aims of the College are to provide students with a broad and interconnected education in the arts, humanities, language, literature, and the social and behavioral sciences.

## **ACADEMIC MISSION**

The major mission of the College of Liberal Arts and Social Sciences is instructional delivery in a variety of disciplines. The College provides more than half of the general education courses required by all of the University's baccalaureate programs. The college offers 10 different major programs, 15 minor programs, and courses which fulfill professional preparation requirements of other institutions of higher education. The College also awards Master's degrees in English, Micronesian Studies, and Clinical Psychology.

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, which contribute to critical thinking skills, and academic understanding and growth. For those students who wish to seek graduate degrees, undergraduate research training and experience in the College prepare them to compete effectively for graduate school admission and for success once accepted.

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 Annual College Conference, the Regional Language Arts Conference, the CLASS Symposium Series, the Human Rights Film Festival, and various programs and student events.

### **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 the following:

*The Anthropology Association* (Dr. David Atienza, faculty advisor); *The English Society* (English majors; Dr. Christopher Garcia, faculty advisor); *Manélon Chamorro* (Chamorro language and culture); *Association of Students for Political Awareness*; *Pi Sigma Alpha* (the National Political Science Honors Society; Dr. Mary Cruz, faculty advisor); *Psychology Club*, *UOG Communication Society*; *Truth Seekers Philosophy*; *Alpha Psi Omega* (The National theatre Honor Society; Professor Michelle Blas, faculty advisor). Many CLASS students are also active in the **Student Government Association**.

### **ADMISSIONS REQUIREMENTS**

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

### **ADVISEMENT**

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

Listed in the Advisor section of the catalog are the contact information for the faculty advisement liaisons for all major and minor programs. Students should contact one of the liaisons in their declared major or minor and request assignment to an advisor in that field.

### **MAJOR, MINOR AND OTHER ACADEMIC PROGRAMS**

Descriptions and requirements of all undergraduate degrees and program areas offered by the College of Liberal Arts and Social Sciences appear in the pages below.



## **ANTHROPOLOGY PROGRAM**

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

Given Western Micronesia's geographic, historical, socio-cultural and human biological realities, Anthropology is a particularly appealing and relevant program of study at the University of Guam. The ever-changing dynamics of Guam's contemporary multi-cultural society, and the presently under-appreciated heritage (historical, cultural, linguistic, and biological) of the indigenous peoples of the Marianas and Micronesia, situate the University of Guam as an ideal setting for faculty and students to engage in anthropological (and collaborative, transdisciplinary) research.

The Anthropology Teaching Laboratory (HSS110) 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 the anthropology of the ocean, culture change, and the maritime and cultural history and adaptations of indigenous Pacific populations. Faculty members are doing research in maritime archaeology, linguistic anthropology, cultural anthropology, power, ethnohistory and visual anthropology.

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

### **ANTHROPOLOGY MAJOR REQUIREMENTS**

**(Total: 39 Credit Hours)**

**Required Courses** (21 credit hours): AN101, AN203, AN212, AN234, AN320, AN413, and MA385.

**Electives** (18 credit hours): AN321, AN369, AN381, AN462; GE/AN341. Upper division anthropology courses.

### **ANTHROPOLOGY MINOR REQUIREMENTS**

**(Total: 21 Credit Hours)**

**Required Courses** (15 credit hours): AN101, AN203, AN212, AN234, and AN413.

**Electives** (6 credit hours): Upper division AN courses.

\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under **Tier II - Direction Building (DB) – 9-11 credits** – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – AN212; 2) DF or Major Exploration – AN234; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major)

## CHAMORRO STUDIES PROGRAM

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

I Prugrãman Inestudion Chamorro para u na'dokko' gi estudiante-ta, iyon-ñiha hinasson mananacha, inagradesi para i meggai na klãsen taotao yan kottura, i direchon i manaotao yan pi'ot i mannatibu, yan i responsiblidát gi kuminidát .Para u mana'dokko' lokkue' i kapasidát-ñiha gi hengga yan matuge' na klãsen inekspressia . I Prugrãman Inestudion Chamorro para u kubre meggai na suheto, todú umu'usa tiningo' put Chinamorro yan i lugat-ña gi hilo' tãno' yan gi hestoria. I Prugrãma para u ofresi klas siha gi Fino' Chamorro, Tiningo' put Taotao, Naturat na Tiningo', Tinaitai Lepblo, Yeografia, Hestoria, Inestudion Pulitikát, Tiningo' put i Hinasson Taotao yan Cho'cho' Sosiát.

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

The Chamorro 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. Chamorro Studies is an interdisciplinary program that covers a range of subjects, examining knowledge pertaining to Chamorro identity and culture that draws on courses such as Chamorro language, Anthropology, Biology, Literature, Geography, History, Political Science, Social Work, and Psychology.

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

Express ideas and analyses fluently and persuasively in both written and oral forms, and in both the Chamorro and English languages; Examine major cultural, historical, political, ecological, and literary themes, developments, and events in the Mariana Islands; Evaluate relevant issues in Chamorro Studies within local and global contexts; and 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.

### **Chamorro Studies Major Requirements (TOTAL: 46 Credit Hours)**

**Required courses** (34 credit hours): CM110, CM210, CM201, CM202, CM301, CM302, CM340, CM412, CM491 and HI211.

**Electives** (12 credit hours, at least 9 hours upper division): AN320, AN421, BI100, BI103, EN/AN333, EN461, GE401, HI243, HI413, HI444, HI450, PS225, PS412, PS482 (only when topic is a Guam and/or Pacific Islands focus), PY475, SW406, SW410, SW485a orb, or upper division CM courses.

### **Chamorro Studies Minor Requirements (TOTAL: 23 Credit Hours)**

**Required courses** (17 credit hours): CM110, CM201, CM202, HI211, CM340.

**Electives** (6 credit hours): AN320, AN421, BI100, BI103, CM210, CM412, EN/AN333, EN461, GE401, HI243, HI413, HI444, HI450, PS225, PS412, PS482 (only when topic is a Guam and/or Pacific Islands focus), PY475, SW406, SW410, SW485a or b, or upper division CM courses.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-Req (Can be within declared Major) – CM102 2) DF or Major Exploration – CM340 3) DF Exploration outside major requirements**

**Tier III – Capstone Experience – Major Capstone Experience: CM412**

### **COMMUNICATION PROGRAM**

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

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

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

Upon successful completion of the communication program, the student should be able to demonstrate the ability to successfully:

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

The Communication major consists of a 15-hour core, an 18-hour track, and 12 hours of Communication electives. The core includes foundation courses in mass media, argumentation, intercommunication, a professional internship, and a senior-level capstone course.

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

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

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

The minor in Communication requires 21 credit hours. It is particularly suited for students majoring in Public Administration, Business, Education, Agriculture, Nursing, and English who need a strong background in communication skills for their professional work. Faculty advisors will help you tailor the minor to fit your career goals.

### **Communication Major Requirements (Total: 45 credit hours)**

**Required Core Courses (15 credit hours)**

<b>Course Title</b>	<b>Credits</b>
CO106 Introduction to Mass Comm.	3
CO250 Argumentation	3
CO310 Intercultural Communication	3
CO491 Current Issues in Communication and Society	3
CO498 Senior Internship	3

**Required Courses for each Track (18 credit hours)**

**Communication Studies and Public Relations** (choose 6 of the following)

<b>Course Title</b>	<b>Credits</b>
CO200 Voice and Articulations	3
CO220 Listening Behavior	3
CO320 Interpersonal Communication	3
CO330 Small Group Communication	3
CO340 Persuasion	3
CO350 Public Speaking	3
CO360 Public Relations	3
CO370 Organizational Communication	3
CO450 Comm. Theory and Research	3

**Mass Media & Journalism**

<b>Course Title</b>	<b>Credits</b>
CO226 Reporting & Writing the News	3
CO327 Advertising in Mass Media	3
CO236 Broadcast Production	3
CO357 Media Computer Graphics	3
CO336 Broadcast Journalism	3
CO426 Documentary Process	3

**Electives:** 12 additional hours of Communication courses. 6 of which must be upper-division courses.

\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under **Tier II - Direction Building (DB) – 9-11 credits** – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – CO250; 2) DF or Major Exploration – CO310 or CO360; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – BA260

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – CO491

### **COMMUNICATION MINOR REQUIREMENTS**

**(Total: 21 credit hours)**

**Required Courses** (9 credit hours): CO106, CO250, and CO310.

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

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under **Tier II - Direction Building (DB) – 9-11 credits** – 1) CF, DF, or UU as Pre-req (can be within declared major) – CO250; 2) DF or Major Exploration – CO310 or CO360; 3) DF Exploration outside major requirements (May apply to a Minor or 2<sup>nd</sup> Major) – BA260

**Tier III – Capstone Experience – Major Capstone Experience:** CO491-Current Issues in Communication and Society.

### **ENGLISH PROGRAM**

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

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

The Division also offers two minors.

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

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

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

- A. Understand the concepts, structures, and functions of human languages;
- B. Describe the aesthetic, rhetorical, structural, and multicultural qualities of texts, as well as critical and historical approaches to those texts;
- C. Prepare, organize, and deliver effective oral presentations for a variety of purposes and audiences;
- D. Conduct substantive research using discipline- appropriate techniques, methodologies, and environments (digital or non-digital), producing or locating valid data and source materials;

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

### **ENGLISH MAJOR REQUIREMENTS**

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

### **LITERATURE EMPHASIS**

**(Total: 42 Credit Hours)**

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

**Required Courses:** (24 credit hours): EN225, LN300, EN311 or EN316 or EN319, EN314, EN317, EN318, EN461 or EN473 or EN/AN333. Capstone Requirement: EN480.

**Electives** (18 credit hours, at least nine of which must be at the 400-level): any 300- or 400-level EN or LN course.

Note: Students successfully completing either ED492 Practicum in Student Teaching or ED498 Internship in Teaching may waive EN480.

### **General Education: Literature Emphasis**

#### **Tier 2, category #3, Creative and Expressive Arts (3 credit hours)**

It is recommended that prospective Literature emphasis students take EN210 Introduction to Literature to complete this Gen Ed requirement

#### **Tier 2, category #4, Human Systems and Organizations (3 credit hours)**

It is recommended that prospective Literature emphasis students take LN101 Introduction to Language to complete this GenEd requirement

#### **Tier 2, Uniquely UOG (7 credit hours)**

In addition to the mandatory language other than English course (4 credit hours), it is recommended that prospective Literature emphasis students take EN213 Literature, Myth and Culture to complete this GenEd requirement  
General Education: Literature Emphasis

#### **Tier 2, Direction Building (9-11 credit hours)**

After declaring as an English: Literature emphasis major, students will take the following to complete this Gen Ed requirement:

- EN225 Introduction to Literary Criticism
- EN314 or EN317 or EN318 (EN225 is the prerequisite for all these courses)

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

- A second semester of the language other than English that was taken to help fulfill the above category, Uniquely Guam

## LINGUISTICS/ESL EMPHASIS

(Total: 42 Credit Hours)

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

**Required Courses** (27 credit hours): LN101, LN300, LN350, LN371, LN385, LN402, LN440/G, and LN460. Capstone Requirement: LN400

**Electives** (15 credit hours): ED480, ED481, LN440 (if different topic is taken). Or any-300- or 400-level EN course.

## LINGUISTICS COURSES

Linguistics offers students a view of how language as a human phenomenon is constructed and how it functions in society. Linguistics courses are included in the English majors and minors, and the Anthropology major.

### GENERAL EDUCATION: LINGUISTICS EMPHASIS

#### **TIER 2, Category 1, Science and Math {3 CR}**

It is recommended (but not required) that prospective Linguistics emphasis students take CS200 Computer Applications and Lab

#### **TIER 2, Category 2, Human Science {3 CR}**

It is recommended (but not required) that prospective Linguistics emphasis students take PY1 01 General Psychology OR S01 01 Introduction to Sociology

#### **TIER 2, Category 3 Creative and Expressive Arts (3 CR)**

It is recommended (but not required) that prospective Linguistics emphasis students take EN210 Introduction to Literature OR TH101 Introduction to the Theater

#### **TIER 2, Category 4 Human Systems and Organizations (3 CR)**

It is recommended that prospective Linguistics emphasis students take LN101 Introduction to Language (this will also count towards the English major-linguistics emphasis requirement)

#### **TIER 2, Category 5 Cultural Perspective (3 CR)**

It is recommended that prospective Linguistics emphasis students take AN1 01 Introduction to Anthropology OR ED265 Culture and Education on Guam

#### **TIER 2 UNIQUELY UOG (7 CR: 4 cr. must be in a Language other than EN)**

It is recommended that prospective Linguistics emphasis students take EN213 Literature Myth and Culture OR ED265 Culture and Education on Guam (if student did not take this under Category 5 above)

#### **TIER 2 DIRECTION BUILDING (9-11 CR)**

After declaring an English: Linguistics emphasis major, students will take the following courses to complete this Gen Ed requirement:

\*LN300 Introduction to Linguistics

\*LN350 (Linguistics and Language Arts), OR LN371 (World English) OR LN 385 (Structure of English) N.B. LN300 is the prerequisite for all these courses

\*{from Uniquely UOG category): Language: a second semester of the language other than English that was taken to help fulfill the above category).

## **ENGLISH FOR EDUCATION EMPHASIS**

**(Total: 42 Credit Hours)**

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

**Required Courses:** EN225, EN317, EN314, EN318 or EN320 or EN/AN333, EN319, EN400, LN300, LN350, LN385, CO350.

Capstone Requirements: EN480 or LN400.

**Electives:** 9 credits - Choose one course from each group.

Group 1: EN 311 or EN 321

Group 2: EN450, EN460, EN470, EN 480 (if not taken as capstone)

Group 3: LN401, LN460, LN440, LN 400 (if not taken as capstone)

### **English Minor Requirements**

**(Total: 18 Credit Hours)**

To complete the English minor requirements students must complete 6 required credits in LN101 and either EN210 or EN213. They must also take 12 elective credit hours of EN or LN courses, at least 9 credit hours at the 300- or 400- level. EN109, EN110, and EN111 may not be counted towards the minor in English.

## **GENERAL EDUCATION: ENGLISH FOR EDUCATION EMPHASIS**

### **TIER 2, Category 1, Science and Math (3 CR)**

Any course in this category is recommended.

### **TIER 2, Category 2, Human Science (3 CR)**

For prospective English for Education emphasis students NOT declaring a Secondary Education double-major, any course in this category is recommended. It is recommended for prospective English for Education majors declaring a Secondary Education to take PY 101 Introduction to Psychology as it is a prerequisite for ED201 Human Growth and Development- a SEED Major Program Requirement.

### **Tier 2, Category #3, Creative and Expressive Arts (3 credit hours)**

It is recommended that English for Education majors/prospective majors take EN 210 Introduction to Literature.

### **Tier 2, Category #4, Human Systems and Organizations (3 credit hours)**

It is recommended that prospective English for Education emphasis students take LN101 Introduction to Language to complete this GenEd requirement

### **Tier 2, Category #5 Cultural Perspective (3 CR)**

For prospective English for Education emphasis students NOT declaring a Secondary Education double-major, any course in this category is recommended. It is recommended for prospective English for Education majors declaring a Secondary Education to take to take ED 265 Culture and Education on Guam or HI 211 History of Guam to fulfill SEED Major Program Requirements.

### **Tier 2, Uniquely UOG (7 credit hours)**

In addition to the mandatory language other than English course (4 credit hours), it is recommended that prospective English for Education emphasis students take EN213 Literature, Mvth and Culture to complete this GenEd requirement

### **Tier 2, Direction Building (9-11 credit hours)**



After declaring as an English: English for Education emphasis major, students will take the following to complete this GenEd requirement:

1. LN 300 Introduction to Linguistics OR EN 225 Introduction to Literary Criticism
2. LN 350 Linguistics and Language Arts
3. A second semester of the language other than English that was taken to help fulfill the above category, Uniquely Guam

**Writing Minor Requirements**  
(Total: 18 Credit Hours)

**Required courses (the three courses below are required of all writing minors):**

- EN311: Creative Writing
- EN316: Professional Writing
- EN319: Advanced Composition

**Electives: (9 credit hours from the following courses)**

- CS200: Computer Applications or BA130: Introduction to Computer Operations
- CO226: Reporting and Writing the News
- CO336: Writing for Broadcast Media
- CO385: Print Media Experience
- AR240: Computer Graphic Design
- AR340: Digital Imaging Technique
- LN300: Linguistics
- EN400: Rhetoric and Composition
- EN411: Advanced Creative Writing

**FINE ARTS PROGRAM**

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

The most unique aspect of the program is the combining of Art, Music, and Theater into one major. While the norm is to isolate the arts into three separate areas, the Fine Arts Major at UOG encourages a continuing dialogue between artists of different disciplines. It is to the advantage of the Fine Arts student, through the 9 credit hours of Fine Arts Core courses, to be regularly and formally placed into contact with the other disciplines that make up the Fine Arts Major. This contact encourages student awareness of the creative process throughout the arts.

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

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

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

The successful student's degree will read: Bachelor of Arts - Fine Arts/Art Bachelor of Arts - Fine Arts/Music Bachelor of Arts - Fine Arts/Theater

The minor designation will read:

- Fine Arts/Art
- Fine Arts/Music
- Fine Arts/Theater

This major is an “umbrella” program. There is a “core” of three courses, 9 credit hours that all Fine Arts majors will be required to take: (FA231, FA331, and FA431). The student will track into one of the four areas, Art, Music, Music/Performance, or Theater.

### **Art Track Major Requirements**

**(Total: 60 Credit Hours)**

**Required Courses** (39 credit hours): FA231, FA331, FA431, AR103, AR104, AR203, AR204, AR208, AR210, AR220, AR331, AR332 and AR205 or AR206.

**Electives** (21 credit hours): AR101, AR211, AR303, AR305, AR306, AR308, AR310, AR311, AR320, AR322, AR323, AR326, AR331, AR332, AR340, AR384, AR404, AR405, AR406, AR407, AR408, AR409, AR410, AR411, AR421, AR420, TH105, TH315, TH316.

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.

### **Art Track Minor Requirements**

**(Total: 27 Credit Hours)**

**Required Courses** (9 credit hours): FA231, AR101, AR103.

**Electives:** 18 credit hours of art (AR) courses of which nine credit hours must be upper division courses. Each student's program will be developed with an advisor from the Visual Arts Faculty.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits FA231: Survey of the Arts; AR331: History of Art I**

### **Music Track Major Requirements**

**(Total: 57-61 Credit Hours)**

**Required Courses** (61 credit hours): FA231, FA331, FA431, MU110, MU121, MU122, MU160, MU161, MU170, MU171, MU260, MU261, MU310, MU311, MU315, MU321; Eight credits of MU202, six credits of MU302, and two credits of MU402; a total of 7 credits from the following list, at least 3 credits of which must be upper division: MU104, MU105, MU304, MU305. By showing proficiency, a student may place out of MU121 and/or MU122.

### **Music Track Minor Requirements**

**(Total: 25 Credit Hours)**

**Required Courses (25 credit hours):** FA231, a total of 4 ensemble credits (MU104, MU105, MU304 and/or MU305), MU101, MU106 or MU102, MU121, MU122 (by showing proficiency, a student may place out of MU121 and/or MU122) 8 credits of MU202 or MU302. Each student's program will be developed with an advisor from the music faculty.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – FA231 Survey of the Arts; MU310 Music History**

### **Theater Track Major Requirements**

**(Total: 50 Credit Hours)**

**Required Courses** (40 credit hours): FA231, FA331, FA431, TH102, TH105, TH202, TH205, TH292 (must be taken four times), TH308, TH315, TH316, TH425, TH426.

**Electives** (10 credit hours): Any other Theater (TH) course AR103, AR104, AR204, AR205, AR240, AR323, CO200, CO236, EN311, EN312, EN450 (EN311, EN312, and EN450 may only be used when the topic is Drama, MU101, MU104, MU110. Other courses may be substituted for the elective requirement if the student gets approval from a Theater advisor prior to enrolling in the class. Each student's program will be developed with an advisor from the Theater Faculty.

### **Theater Track Minor Requirements**

**(Total: 25 Credit Hours)**

**Required Courses** (17 credit hours): FA231, TH102, TH105, TH205, TH292 (must be taken two times), TH308.

**Electives** (8 credit hours): Any other Theater (TH) courses (not including TH101) or courses from the Theater Track Major Elective List. Each student's program will be developed with an advisor from the Theater Faculty.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – FA231 Survey of the Arts; TH205; Any**

**Tier III – Capstone Experience – Major Capstone Experience: FA431 Survival in the Arts**

## **GEOGRAPHY MINOR**

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. The Geography Minor is designed to achieve the following student outcomes:

### **Physical Geography**

1. 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.

### **Human Geography**

2. Specify complex and changing demographic, population, political, economic, cultural and environmental patterns within a global context.

### **GIS/MAPPING**

3. Understand and apply analytical methods (e.g., map reading, statistics, and advanced geospatial technologies) to geospatial phenomena.

### **Environmental Synthesis**

5. Synthesize, evaluate and predict changing human and physical interactive Earth patterns in a spatial environmental framework with special emphasis on the Asia Pacific.

## **Geography Minor Requirement**

**(Total: 22 credit hours)**

**Required Courses** (13 credit hours): GE101, GE201, GE203, GE401.

**Elective Courses:** 9 upper division credits selected from any of the upper division Geography courses or from NS330 & NS330L, NS355 & NS355L, and NS/AG 380.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under **Tier II - Direction Building (DB) – 9-11 credits** – 1) CF, DF or UU as Pre-req (Can be within a declared Major); 2) DF or Major Exploration 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – GE480, GE321, GE/AN341, GE461, GE/S0465, NS330, NS355 and NS355L, NS/AG380 (electives 9cr see prerequisites on attached minor program advisement sheet)

**Tier III – Capstone Experience – 0 Credits in GE** (course within major) – GE401

## **HISTORY PROGRAM**

The Faculty of the History program seeks to prepare students for citizenship and leadership in the community. This Faculty also seeks to develop its programs to serve community needs in the areas of social and economic development, history, culture, and social problems.

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

- To be knowledgeable of major historical themes, developments, and events;
- To read, interpret, and evaluate historical evidence carefully and analytically;
- To develop skills in conducting independent historical research, including the ability to define a historical problem, locate appropriate evidence, organize information logically, and articulate findings clearly; and
- To express their historical analyses clearly and persuasively both in written and oral forms.

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

The History program offers courses for either a general knowledge of the history of civilization or for a special knowledge of particular topics and limited time periods. Indispensable to the educated individual, an understanding of history embraces both the development of states and social and cultural institutions. As the story and interpretation of human experience and achievements, the study of history gives perspective to related subjects in the humanities and social sciences.

Students may major in History to gain historical knowledge, to acquire the historical method, to pursue research interests, or to prepare for a career in teaching, the professions or government service.

No additional language requirement exists for students majoring or minoring in history. Majors, however, are encouraged to complete at least two years of a relevant language.

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

The History track emphasizes the accumulation of in depth knowledge in multiple fields of historical inquiry as well as considerable training and practice in historical research, analysis and writing. This track is recommended for students who plan to work in professional fields that require research, writing and analysis or for students who plan to use the history degree as a step towards law school or graduate studies in fields such as History, Anthropology, English Literature, Political Science, and Business.

The History for Education track consists of similar course requirements to the History track but additionally ensures that students acquire the knowledge needed to meet the national content standards for Secondary Education Social Studies. Students will complete coursework in the fields of History, Political Science and Geography. Students who choose this track should double major in education, complete the BA + program, or obtain a Master's in Teaching after graduation.

### **History Track**

(Total: 46 Credit Hours)

**Required Courses** (31 credit hours): HI121, HI122, HI201, HI202, HI211 or HI243; HI308, HI371, HI372, HI413, HI444 and HI492.

**Electives** (15 credit hours): Upper division History (HI) courses, which may include PI301 or PI302.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under Tier II - Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-Req (Can be within declared Major) – HI308 2) DF or Major Exploration –HI121or HI122 3) DF Exploration outside major requirements (May apply to Minor or 2<sup>nd</sup> Major) – DF or UU non-HI class**

**Tier III – Capstone Experience – Major Capstone Experience – HI492**

**History for Education Track**  
**(Total: 49 Credit Hours)**

**Required Courses** (34 credit hours): HI121, HI122, HI201, HI202, HI211 or HI243, HI308, BA110, GE101 or GE201, PS101, PS202, HI413 and HI492

**Electives** (15 Credit Hours) Upper division History (HI) courses which may include PI301 or PI302.

\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under **Tier II - Direction Building (DB) – 9-11 credits** – 1) CF, DF or UU as Pre-Req (Can be within declared Major) – HI308 2) DF or Major Exploration –PS101, HI121, HI122, or HI243 3) DF Exploration outside major requirements (May apply to Minor or 2<sup>nd</sup> Major) – DF or UU non-HI class

**Tier III – Capstone Experience – Major Capstone Experience – HI492**

**History Minor Requirements**  
**(Total: 24 Credit Hours)**

**Required Courses** (15 credit hours): (HI121 or HI122), (HI211 or HI243), HI308, and [either (HI201 and HI202) or (HI371 and HI372) or (HI444 and HI450)]

**Electives** (9 credit hours): Upper division History (HI) courses, which may include PI301 or PI302.

**MODERN LANGUAGE COURSES**

Among the modern languages offered are lower division courses in Chamorro, Chinese, Chuukese, French, German, Japanese, Korean, Pohnpeian, Spanish and Tagalog. In four semesters the student can expect to achieve proficiency in reading, speaking and writing the language.

**JAPANESE LANGUAGE MINOR REQUIREMENTS**  
**(Total: 12 credit hours beyond JA101 and JA102)**

**Required Courses:** 12 credit hours from any of the following courses: JA201, JA202, JA301, JA302, JA401, and JA402.

**PHILOSOPHY PROGRAM**

The philosophy program has three goals. First, the philosophy program informs students of the fundamental problems, concepts and individuals that have dominated the field of philosophy for the last three millennia. Second, it attempts to develop reflective and critical thinking skills that can be applied to these problems, in addition to problems found in all other areas of study. These skills are to be carried with the student long after they leave the university, to be used as valuable reasoning skills that will assist them in future endeavors of almost any kind. Third, the program tries to expose students to the cultures and ways of thinking found in all parts of the world. Philosophy attempts to unearth the basic presuppositions and concepts that underlie a particular worldview and then contrast them meaningfully with other presuppositions and concepts underlying different cultures and worldviews. It is on this fundamental level that one can truly come to understand the unique ways that individuals in each culture approach life and attempt to address the perennial problems that life presents them.

The philosophy program learning objectives follow from the above goals. Upon completion of the program students will have demonstrated:

- Knowledge and understanding of the historical persons and theories of philosophy;
- Mastery of careful, rigorous, critical reasoning;
- Mastery of interpreting philosophical theories, ideas and arguments from both their own culture and others.

### **PHILOSOPHY MAJOR REQUIREMENTS**

**(Total: 36 Credit Hours)**

**Required Courses** (15 credit hours): PI101, 210, 301, 302 and either PI102 or PI103

**Electives** (21 credit hours); any philosophy course, of which 15 credits must be upper division.

### **PHILOSOPHY MINOR REQUIREMENTS**

**(Total: 18 Credit Hours)**

**Required Courses** (12 credit hours): PI101, 210, 301, 302.

**Electives** (6 credit hours): Upper division Philosophy (PI) courses.

\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under **Tier II - Direction Building (DB) – 9-11 credits** – 1) CF, DF or UU as Pre-Req (Can be within declared Major) – PI102 2) DF or Major Exploration – PI301 3) DF Exploration outside major requirements – 2<sup>ND</sup> sem of language.

**Tier III – Capstone Experience – Major Capstone Experience**

### **ETHICS MINOR REQUIREMENTS**

**(Total: 18 Credit Hours)**

**Required courses** (9 credit hours): PI102, PI 210, PI220

**Electives** (9 credit hours): PI348, PI480, PI481, BA406, PA405, NU326, NU420

### **ETHICS CERTIFICATE REQUIREMENTS**

**(Total: 12 Credit Hours)**

**Required Courses** (6 credit hours): PI102, PI 220

**Electives** (6 credit hours): PI348, PI480, PI481, BA406, PA405, NU326, NU420

### **POLITICAL SCIENCE PROGRAM**

Political science provides education toward enlightened citizenship and statesmanship, and prepares students for careers in government and politics, law, teaching, and business, or for graduate studies in a wide range of professional areas.

Upon completion of a major or double major in political science, students will have demonstrated achievement of the following program learning objectives:

- Discuss concepts and issues central to the study of politics.
- Explain the American political system and its relationship to the Micronesian region.
- Apply theories to the study of domestic and international conflict.
- Compare political systems of Asia Pacific with each other and with those of other regions.
- Design a political research project that incorporates principles of social science inquiry.
- Evaluate political speech and acts for their embedded values.

**Credit for AP Examination in Political Science.** Students who report a score of three (3) on the Advanced Placement U.S. Government examination will (a) fulfill prerequisite requirements of other political science courses for PS202-Government in the United States, *and* (b) fulfill the political science major/minor requirement for PS202. Students who report scores of 4 or 5 on this exam will additionally receive three (3) hours of academic credit equivalent to one semester in PS202. Students who report a score of 4 or 5 on the AP Comparative Government examination will be considered to have met the PSI 0 I course requirement for the political science major; however, no academic credit will be awarded.

**Progress in the Political Science Major.** Students must receive a grade of "C" or better in any Political Science course to be credited toward completion of the Political Science major. This requirements applies to the 36 credits in political science counted specifically toward completion of Political Science major requirements: the eight required political science courses, plus four elective courses in political science. It does not apply to General Education courses, or to generic electives.

All Political Science majors must meet the requirements of one of the following tracks and should seek faculty advisement within their respective track:

**The Political Science** track provides students with a range of courses in 3 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.

**The Government for Education** track focuses on providing students with the knowledge needed to meet the national content standards for Secondary Education Social Studies. Students will complete course work in the fields of Political Science, History and Geography with a focus on government and politics. Students who choose this track should double major in education, complete the BA+ program, or obtain a Master's in Teaching after graduation.

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.

## **POLITICAL SCIENCE TRACK**

### **MAJOR REQUIREMENTS**

**(Total: 46 Credit Hours)**

**Required Courses** (34 credit hours): PS101, PS202, PS215, PS225, PS 300, PS302, PS304 or PS412, PS326, PS398, PS492, BA110, MA151.

**Electives** (12 credit hours): Any combination of upper division (300 and 400-numbered) political science courses (at least one course must be a 400-numbered course), or MA385, and/or PA402.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – OPTION A - PS300 OR PS302; OPTION B – PS326 ; 2) DF or Major Exploration – OPTION A PS482 OR OPTION B PS426 ; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) –

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – PS492



**GOVERNMENT FOR EDUCATION TRACK  
MAJOR REQUIREMENTS  
(Total: 49 credit hours)**

**Required Courses** (40 credit hours):

PS101, PS202, PS215, PS225, GE101 or GE201, HI121 or HI122, HI201 or HI202, PS302, PS304 or PS412, PS307, PS402, PS426, PS492, and BA110.

**Electives (9 credit hours):**

Any combination of upper division (300 and 400-numbered) political science courses (at least one course must be a 400-numbered course).

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – PS302; 2) DF or Major Exploration – PS402; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major)

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – PS492

**POLITICAL SCIENCE  
MINOR REQUIREMENTS  
(Total: 21 credit hours)**

**Required Courses** (12 credit hours):

PS101, PS202, PS215 and PS225

**Electives** (9 credit hours): Any upper division (300 and 400-numbered) courses.

**PSYCHOLOGY PROGRAM**

As a behavioral science, and as a distinct but integral part of natural science, psychology stands between physiology and the social sciences. Psychology, like Anthropology, links the behavioral sciences with the biological sciences. The major areas of psychological study are concerned with individual human behavior conceptualized as a natural phenomenon, studied by scientific and experimental methods, and understood in terms of psychological theories and laws.

The general objectives of the program in Psychology are to increase students' understanding of themselves and others, to enhance the skills of those specializing in related areas of study, and to prepare those pursuing psychology as a career for graduate study and professional work.

The student learning objectives for the Psychology Program are articulated with those of the American Psychological Association. Graduating students will demonstrate that they have:

1. Developed a broad and deep knowledge base in Psychology;
2. Acquired and can appropriately apply knowledge of psychological research skills;
3. Acquired and can appropriately apply critical thinking skills in Psychology;
4. Developed competence in making appropriate applications of Psychology;
5. Acquired and can appropriately apply the values of Psychology;
6. Developed competence in information and technological literacy;
7. Developed competence in communication skills;
8. Acquired and can appropriately apply sociocultural and international awareness;
9. Acquired effective personal development skills;
10. Acquired knowledge and competence in career planning and development.

**Progress in the Psychology Major.** Students must receive a grade of “C” or better in any course to be credited toward completion of the Psychology major. This requirement applies only to the 37 credits counted specifically toward completion of Psychology major requirements: the five required courses, plus eight elective courses in psychology. It does not apply to General Education courses, or to generic electives.

### **PSYCHOLOGY MAJOR REQUIREMENTS**

**(Total: 41 Credit Hours)**

**Required Courses** (17 credit hours): PY101, PY210, PY210L, PY413, PY492a or PY492b, and MA385 or MA387 and MA387L.

**Electives** (24 credit hours): At least 18 hours of upper division courses. Six hours of these must be 400-level Psychology courses, otherwise students may select from upper division (300, 400 level) Psychology courses or from BI157/157L and BI158/158L. The remaining six hours of electives may be selected from any non-required Psychology course.

### **PSYCHOLOGY MINOR REQUIREMENTS**

**(Total: 19 Credit Hours)**

**Required Courses** (7 credit hours): PY101, PY210, and PY210L.

**Electives** (12 credit hours): PY courses (200, 300, 400 level) six (6) credits of which must be at the 400 levels.

\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS and include under **Tier II - Direction Building (DB) – 9-11 credits** – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – PY210/L; 2) DF or Major Exploration – Any DF course in BI, PI, SO or SW; or any course from this list: PY100, PY201, AN101 or WG101. ; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – BA260

**Tier III – Capstone Experience – Major Capstone Experience:** (May apply to a Minor or 2<sup>nd</sup> Major) – MA151.

### **SOCIOLOGY PROGRAM**

The Sociology Program Major is designed to provide students with a broad base of skills which would allow them to pursue careers in journalism, politics and government, public relations, business, criminal justice, social work and public administration. Additionally, the Sociology Major program will also provide training for those students wishing to pursue graduate degrees in Sociology and other related disciplines. Today, the study of social relations is basic to every type of human endeavor. Government planning, human service work, economic development, personnel management, and the many other activities of our modern world require an understanding of the social system and how individuals fit into it. The program in Sociology prepares the student for further graduate study or for entrance level positions involved with the analysis, interpretation, and evaluation of human social behavior.

The general objectives of the Sociology minor are to enable a student to obtain the skills and theoretical concepts used to study individuals within social groups, the organization of groups, relations between groups, and the processes that maintain or change these social structures of familial, economic, and political life.

The learning objectives of the Sociology Program are based on those of the American Sociological Association. Graduating students must be able to demonstrate their understandings and application of:

1. The discipline of Sociology and its role in contributing to our understanding of social reality such that the student can apply the sociological imagination and Sociological principles and concepts to any social topic, including to her or his own life;
2. The role of theory in Sociology, such that the student will be able to define theory and describe its role in generating sociological knowledge, and be able to compare and contrast basic theoretical perspectives;
3. The role of empirical evidence and the application of qualitative and quantitative research methodologies in collecting data, the ability to design a research study, collect and analyze data, and present the findings in research paper format;
4. Technical skill in retrieving information and data from archival sources, the internet and other data storage formats, and the use of computers for data analysis;
5. Scientific technical writing that accurately conveys the data findings. An understanding of the issue and the ability to apply the principles of ethical practices in Sociology.

### **SOCIOLOGY MAJOR REQUIREMENTS**

**(Total: 42 Credit Hours)**

**Required Courses** (21 credit hours): SO101, SO203, SO350, SO351, SO414, SO491 and MA385.

**Electives** (21 credit hours) Twenty-one credit hours from 100, 200, 300, and 400 level courses in Sociology or program designated Sociology electives with nine (9) hours in an area of concentration. No fewer than six hours from the 400 level coursework towards completion of major requirements.

**Area of Concentration** (9 credit hours) Students must choose one (or more) areas of concentration and take no fewer than 9 hours in their area.

#### **Major Concentrations and Required Courses**

**Gender and Family Studies:** WG101, SO/WG230, SO342, SO445, SO455 and the following courses may also satisfy the major concentration if approved by the course instructor: SO480 or SO491, or SO498

**Social Problems Studies:** AN/SO/NU/SW344, SO202, SO221, SO302, SO386, SO411, SO418, AN421, PY440 and the following courses may also satisfy the major concentration if approved by the course instructor: SO480 or SO498.

**Development Studies:** PS304, SO332, GE/AN341, SO360, SO405/G, MI520, SO/GE475 and the following courses may also satisfy the major concentration if approved by the course instructor: SO480 or SO491 or SO498.

### **SOCIOLOGY MINOR REQUIREMENTS**

**(Total: 18 Credit Hours)**

**Required Courses** (3 credit hours): SO101

**Electives** (15 credit hours) Sociology courses (200, 300, 400 level) six (6) credit hours of which must be at least 300-400 level.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under **Tier II - Direction Building (DB) – 9-11 credits** – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – SO203; 2) DF or Major Exploration – SO350; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) - MA151

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – SO491

### **WOMEN AND GENDER STUDIES PROGRAM**

The Women and Gender Studies Program is an interdisciplinary minor and certificate program designed to provide students with a women-focused curriculum that full incorporates the concept of gender and is responsive to the issues, experiences, research, and discourse of women in Guam, throughout Micronesia, and across cultures.

#### **The program has five main objectives:**

1. To offer an interdisciplinary program that will broaden understanding of the significance of gender in the lives, identities, activities, opportunities, and concerns of women in Guam, in other areas of Micronesia, and across cultures.
2. To provide degree students with a women- and gender-focused curriculum that will enhance their major field or study by highlighting issues, experiences, research and discourse relevant to women locally, throughout Micronesia, and in a global context.
3. To offer non-degree seeking students the opportunity to gain knowledge of women- and gender-centered teaching and research that is responsive to the needs and interests of women in the multicultural community of Guam and culturally diverse Micronesian region within a comparative framework.
4. To provide professional women as well as non-professional community-based women with a series of female-oriented courses and workshops that will empower and enrich their own lives and sense of identity as well as that of their families and communities.
5. To establish a research program that will investigate the needs and issues critical to women in Guam and throughout Micronesia, and which will serve to increase women’s visibility locally and internationally.

Upon the completion of the WG minor students will demonstrate the ability to:

- Understand and critique the significance of gender in the lives, identities, activities, opportunities, and concerns of women and men locally, regionally and transnationally.
- Analyze how gendered identities intersect with race, class, and sexual orientation and how systems of inequality and oppression operate and are sustained.
- Examine theoretical and practical connections between feminist studies and their major field of study by highlighting issues, experiences, gender research and discourses relevant to Guam, Micronesia, and the global community.
- Engage in research mindful of the needs and issues critical to women in Guam and throughout Micronesia, which will increase regional feminist scholarship.

**WOMEN AND GENDER STUDIES MINOR REQUIREMENTS**  
**(Total: 18 Credit Hours)**

**Required courses** (9 Credit Hours): WG101, WG201 and WG490

**Elective Courses** (9 Credit Hours): 6 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: WG/EN323, EN460/G (when the topic is women- or gender-focused), WG/EN461/G, SO/WG230, SO342, SO455, PY/WG455/G, PY491 (when the topic is women or gender-focused), AL330, CF450, SW480, SW345, HI450 (when topic is women and gender-focused).

**WOMEN AND GENDER STUDIES CERTIFICATE REQUIREMENTS**  
**(TOTAL: 12 Credit Hours)**

**Required Courses** (3 Credit Hours): WG101

**Elective Courses** (9 Credit Hours): WG201, WG/EN323, EN460/G (when the topic is women or gender-focused, WG/EN461/G, SO/WG230, SO342, SO455, PY/GW455/G, PY491 (when the topic is women-or gender- focused) AL330, CF450, SW345, SW480, and courses selected from those in other programs cross-listed with Women and Gender Studies, or special workshops offered by the Program.



## COLLEGE OF NATURAL AND APPLIED SCIENCES



### MISSION AND VISION

The mission of the College of Natural & Applied Sciences (CNAS) 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;
- to graduate students skilled in problem- solving, critical thinking, communications, and lifelong-learning for successful careers;
- to provide a nurturing multicultural environment for student and faculty success;
- to foster a culture of partnership with communities in recognizing and responding to local and regional concerns;
- to promote responsible and practical application of knowledge to our island community and Pacific region;

Vision: As the home of the USDA Land Grant programs, CNAS fosters creativity in research, innovation in teaching, and leadership in community engagement to address community needs. We strive to be the College of first choice for science-based education, research and community outreach.

### DEGREE PROGRAMS

The College of Natural and Applied Sciences offers baccalaureate degrees in the following programs: Agriculture and Life Sciences, Biology, Chemistry, Computer Science, and Mathematics.

In addition to the majors, the college offers minors in Biology, Chemistry, Computer Science, Crop and Environmental Protection Science, Farm and Natural Resource Management, Food Science, Mathematics, Military Science, and Nutrition. Reserve Officer Training Corps (ROTC) is administered through the College's Military Science Program. The College of Natural and Applied Sciences also offers Secondary Education Option specializations in General Science. The College offers the following pre-professional programs: Pre-medical, Pre- optometry, Pre-dental, and Pre-veterinary and Pre-pharmacy.

The College of Natural and Applied Sciences awards Master of Science Degrees in Biology, Environmental Science, and Sustainable Agriculture, Food, and Natural Resources (See Graduate Bulletin for more information).

### **HISTORY OF THE COLLEGE**

The College of Natural and Applied Sciences was created in 2003 by combining the former College of Agriculture and Life Sciences with the Mathematical Sciences, Natural Sciences, and Pre-professional programs from the former College of Arts and Sciences and the Military Science program from the former College of Business and Public Administration.

The College of Natural and Applied Sciences administers courses in military science and agriculture as part of the federal land grant mandate.

### **ADMINISTRATION**

The Dean of the College of Natural and Applied Sciences (CNAS) serves to direct and supervise the teaching, research, and extension/outreach activities of CNAS. Questions about any of the College programs should be directed to:

Dr. Lee Yudin, Dean/Director  
College of Natural and Applied Sciences  
UOG Station, Mangilao, Guam 96923  
Tel: 735-2000 Fax: 734-6842

Assisting the Dean in academic matters is an Associate Dean. Questions about scheduling and course offerings should be directed to:

Dr. Kate Moots, Associate Dean (Interim)  
College of Natural and Applied Sciences  
Tel: 735-2000 Fax: 734-6842

Assisting the Dean in USDA research is the Associate Director of the Western Pacific Tropical Research Center. Questions about this program should be directed to:

Dr. Sereana Dresbach,  
Associate Director/Dean (Interim)  
Western Pacific Tropical Research Center  
Tel: 735-2000 Fax: 734-6842

Assisting the Dean in Extension/Outreach is the Associate Director of the Guam Cooperative Extension & Outreach Service. Questions about this program should be directed to:

Dr. Adrian Ares, Associate Director/Dean (Interim)  
Guam Cooperative Extension & Outreach Service  
Tel: 735-2000 Fax: 734-6842

### **STUDENT ORGANIZATIONS**

Students have opportunities for involvement in a wide variety of organizations sponsored by the academic disciplines within the College of Natural and Applied Sciences. Clubs associated with the

College include: Agriculture Science Club, Biological Sciences Club, Chemistry Student Club, Pharmacists Club (formerly AG Club), Engineering, Mathematics, and Computer Science Club (emc<sup>2</sup>), Physical Education and Health Club Titan Warriors and Titan Athletic Club.

### **ADMISSION REQUIREMENTS**

A student planning to enroll in the College of Natural and Applied Sciences should be familiar with the general requirements and procedures for admission to the University (see Academic Rules and Regulations). Every student should obtain an academic advisor to assist them in learning and complying with these requirements. Refer to individual program description for specific requirements.

### **ADVISEMENT**

The College of Natural and Applied Sciences is responsible for the academic advisement of students who have declared a major in the College's academic disciplines, pre-professional programs or military science. Advisement is essential to the planning of appropriate and efficient student schedules. A student who has not declared a major must consult the Student Counseling Office for advisement.

**Students with less than 60 credit hours and advisement for pre-professional tracks should contact the following underclassmen advisor.**

Katrina Quinata  
Office: Science Building Room 100  
Tel: 735-0317 Fax: 734-4582  
Email: [quinatak@triton.uog.edu](mailto:quinatak@triton.uog.edu)

Students with more than 60 credit hours should contact one of the liaisons in their declared major or minor and request assignment to an advisor in that field. Listed in the Faculty Advisors page are the faculty advisement liaisons for all CNAS major and minor programs.

### **DEVELOPMENTAL COURSES**

Developmental Mathematics: MA085a-b or MA089. The Fundamentals of Mathematics course is designed to provide the background necessary for advancement in mathematics and success in all disciplines. Placement into this course is determined by the Mathematics Placement Test. For information and questions please contact via email: [uogaccuplacer.mpt@gmail.com](mailto:uogaccuplacer.mpt@gmail.com).

**NOTE:** Placement in Developmental Mathematics is determined by scores on the Mathematics Placement Test. All students must take a mathematics placement test before enrolling in their first mathematics class at UOG. Students placed into MA085a-b or MA089 or MA115 should seek appropriate advisement when choosing other courses.

### **ACADEMIC PROGRAMS**

Descriptions and requirements of all undergraduate degrees:

#### **AGRICULTURE AND LIFE SCIENCES PROGRAM**

##### **Overview**

The Undergraduate Agriculture and Life Sciences (ALS) program serves both CNAS 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 ALS 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.

### **Agriculture and Life Sciences Program Learning Outcomes**

*Program Learning Outcome 1, Disciplinary Knowledge and Skills:* Graduates will demonstrate integrated knowledge in their chosen fields of study and related sciences.

*Program Learning Outcome 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.

*Program Learning Outcome 3, Analytical Skills:* Graduates can apply quantitative and/or qualitative analytical methods in agriculture and the life sciences.

*Program Learning Outcome 4, Communication Skills:* Graduates can gather and assess information and use it to create effective research and outreach communication media and oral presentations.

*Program Learning Outcome 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.

*Program Learning Outcome 6, Multicultural Competence:* Graduates will develop cross-cultural respect and a foundation for life-long multicultural competence.

*Program Learning Outcome 7, Life-Long Learning and Integration of Knowledge from the Sciences and the Arts:* Graduates can empower themselves through life-long learning to enhance their knowledge base, and demonstrate an ability to integrate knowledge from the sciences and the arts.

### **Degree Requirements**

The Bachelor of Science in Agriculture and Life Sciences degree program has four (4) tracks: Agriculture and Natural Resource Science, Tropical Agriculture Production, Human Nutrition and Food, and Child and Family Life Sciences. Students enrolled in the ALS degree are required to complete the University of Guam's General Education requirements. ALS students must also complete the "core requirements" then choose the following courses corresponding to their selected track. 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.

Agriculture and Life Science majors must have a "C" or better in all courses required for the major. Students must also complete a minimum of 15 credits of upper division Agriculture and Life Sciences courses. When selecting their 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 ALS majors and non-majors.

### I. General Education Requirements (35-47 credits)

Students must complete the General Education requirements listed in this catalog. Some of these courses are also ALS program requirements and may be applied towards both sets of requirements. Consult your CNAS Academic Advisor or Major Advisor for recommendations that may count towards both GE and major requirements.

### II. ALS Core Requirements (22-25 credits)

Note: Courses marked with an asterisk (\*) may also apply to General Education Requirements.

Course	Course Title	Credits
AL101/L*	Introduction to Agriculture	4
MA151 <b>OR</b> MA387/L <b>OR</b> BI412	Introductory Statistics <b>OR</b> Statistics for Sciences <b>OR</b> Biometrics	3-4
MA161a <b>OR</b> MA165	College Algebra and Trigonometry <b>OR</b> Pre-Calculus	3-5
AL185*	Human Nutrition	3
AL351	Personal & Family Financial Management	3
AL490 <b>OR</b> AL498	ALS Special Projects <b>OR</b> ALS Internship	3
AL499*	ALS Capstone Seminar	3
<b>Total</b>		<b>22-25</b>

### III. Track-specific Course Requirements (55-58 credits)

#### *Agriculture and Natural Resource Science Track*

The Agriculture and Natural Resource Science track is intended for students who wish to continue their studies at the graduate level. This course of study will provide students with the necessary background to pursue the University's Master of Science degree in Sustainable Agriculture, Food, and Natural Resources (SAFNR) or Environmental Science (EV) 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.

Course	Course Title	Credits
BI157/158	Biology I and II	8
BI315	General Genetics	4
CH102/103	Chemistry I and II	8
CH310a/311	Organic Chemistry A	5
MA203	Calculus I	5
PH251/210	University Physics A	5

AL136 OR AL211	Science of Aquaculture OR Animal Science	4
AL281	Princ. of Horticultural Science	4
AL323 OR AL340 OR AL345	Plant Pathology OR Pest Management OR General Entomology	4
AL380	Soil Science	4
Upper division electives (selected with Advisor; recommended to coordinate with ALS or other UOG minor options)		4
<b>Total</b>		<b>55</b>

### *Tropical Agriculture Production Track*

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: 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.

Course	Course Title	Credits
CH100/101 OR CH102/103	Intro Chemistry I and II OR Chemistry I and II	8
AL102	Introduction to Plant Science	4
AL136 OR AL211	Science of Aquaculture OR Animal Science	4
AL281	Princ. of Horticultural Science	4
AL321	Horticulture Plant ID	4
AL323	Plant Pathology	4
AL340	Pest Management	4
AL345	General Entomology	4
AL380	Soil Science	4
AL389 OR AL451	Extension Programs and Planning OR Farm and Natural Resource Management	3
AL484 OR AL485 OR	Tropical Vegetable Production OR Tropical Fruits Production	4

AL486	OR Ornamental Crop Production	
Upper division electives (selected with Advisor; recommended to coordinate with ALS or other UOG minor options)		12
<b>Total</b>		<b>59</b>

### *Human Nutrition and Food Sciences Track*

Students majoring in the ALS – Human Nutrition and Food Sciences track are prepared for diverse careers in nutrition and food, as well as, to continue on to an approved dietetics program to become an eligible Registered Dietitian or pursue graduate school in a related field. The Human Nutrition and Food Sciences field of study includes work in environments such as the food industry, healthcare and fitness facilities, nutrition education, extension education in nutrition, government or private-sector food and nutrition agencies, and science education.

<b>Course</b>	<b>Course Title</b>	<b>Credits</b>
CH102/103	Chemistry I and II	8
BI124/125	Anatomy and Physiology I and II	8
AL140	Scientific Principles of Food Preparation	4
CH310a/311	Organic Chemistry A	5
AL330	Nutrition Throughout the Lifespan	3
AL335	Nutrition for Health, Fitness and Sports	3
AL339 439	Community Nutrition	3
AL445	Food Chemistry	3
AL460/G	Advanced Human Nutrition	4
AL470 OR BI225	Nutrition Education and Counseling OR Basic Microbiology	3
AL455 and AL475 OR AL300	Nutritional Assessment AND Medical Nutrition Therapy OR Food Processing Technology	4-5
Upper division electives (selected with Advisor; recommended to coordinate with ALS or other UOG minor options)		6
<b>Total</b>		<b>57-58</b>

### *Child and Family Life Sciences Track*

The Child and Family Life Science track prepares students for careers with a diverse range of agencies and organizations that focus on improvement and/or maintenance of the well-being of individuals, families and communities in Guam, the Western Pacific and the world. Professional networking opportunities with Guam-based organizations and community groups are fostered through the Capstone experience requirements for the ALS degree.

<b>Course</b>	<b>Course Title</b>	<b>Credits</b>
AL140	Scientific Principles of Food Preparation	4
HS200 OR ED363	Health and Wellness OR PE and Health Methods Elementary	3
ED201	Human Growth and Development	3
AN212	Cultural Anthropology	3
SO230	Marriage and the Family	3
AL309 OR ED336	Prevention Programming for Youth at Risk OR Building Home and School Relationships	3
HS210 OR BI110	Human Biology & Behavior OR Human Biology	3 or 4
SW313	Research Methods for Health and Social Services	3
ED331	Teaching the Young Child	3
AL330	Nutrition Throughout the Lifespan	3
SW344	Aging: Myths and Realities	3
AL389 OR PE214	Extension Programs and Planning OR Community Health for Educators	3
ED330	Language Arts in Early Childhood	3
ED333	Creative Arts in Early Childhood	3
AL450	Family Resources	3
SW480 OR ED334	Family Violence OR Solving Discipline Problems	3
Upper division electives (selected with Advisor; recommended to coordinate with ALS or other UOG minor options)		9
<b>Total</b>		<b>58-59</b>

**Minor-specific Course Requirements (22-27 credits)**

***“Minor in “Tropical Horticulture”***

Course	Course Title	Credits
AL281	Princ. of Horticultural Science	4
AL340	Pest Management	4
AL380	Soil Science	4
AL443	Sustainable Agriculture	4
Two courses from:		
AL484 or AL485	2 courses in Horticulture Production	8
<<<OR>>>		
AL481	Environmental Soil Science	4
AL484 or AL485	1 course in Horticulture Production	4
<b>Total</b>		<b>24</b>

***“Minor in “Crop and Environmental Protection Science (CEPS)”***

Course	Course Title	Credits
AL281	Princ. of Horticultural Science	4
AL380	Soil Science	4
AL443	Sustainable Agriculture	4
AL323or AL340 or AL345	Plant Pathology OR Pest Management OR General Entomology	4
CEPS-related upper division electives (selected with and approved by ALS advisor)		8
<b>Total</b>		<b>24</b>

***“Minor in “Farm and Natural Resources Management”***

Course	Course Title	Credits
AL102	Introduction to Plant Science	4
AL281	Princ. of Horticultural Science	4
AL351	Personal and Family Financial Management	3
AL451	Farm & Natural Resource Management	3
Two courses from:		
AL484 or AL485	2 courses in Horticulture Production	8
<b>Total</b>		<b>22</b>

***“Minor in “Food Science”***

Course	Course Title	Credits
CH310a/311	Organic Chemistry A	5
AL140	Sci Princ of Food Preparation	4

BI225	Basic Microbiology	4
AL300	Food Processing Technology	4
AL445	Food Chemistry	3
<b>Total</b>		<b>23</b>

***“Minor in “Nutrition”***

Course	Course Title	Credits
AL140	Sci Princ of Food Preparation	4
AL185	Human Nutrition	3
AL330	Nutrition Throughout the Lifespan	3
BI124/125 OR BI157/158	Anatomy & Physiology I+II OR Biology I and II	8
<b>Sub-total</b>		<b>18</b>
3 courses selected with and approved by Minor Advisor		
AL439	Community Nutrition	3
AL335	Nutrition for Health, Fitness and Sports	3
AL445	Food Chemistry	3
AL470	Nutrition Education & Counseling	3
AL475	Medical Nutrition Therapy	3
Sub-total		9
<b>Total</b>		<b>27</b>

## BIOLOGY PROGRAM

The Undergraduate Biology Program serves both majors and non-majors students. The Program prepares majors to graduate with the knowledge, skills, and values that will enable them to succeed in biological jobs, to enter graduate, medical, or other professional schools, and to contribute to their communities. Course goals reinforce and expand General Education goals, especially for Tier II Diversity (STEM), Uniquely UOG, and Direction Building. Biology majors have opportunities for undergraduate research experiences through laboratory classes, work as lab technicians, independent study projects, and guided original research. For non-majors, the Program provides courses for Nursing, Agriculture and Life Sciences, and HPERD, assists the Education Program in training science teachers, and enables students to meet STEM goals of General Education requirements. 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.

### **B.S. Biology goals include the following:**

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.

### **BIOLOGY MAJOR/MINOR REQUIREMENTS**

The Biology Program offers three major TRACKS with a BS: BS Biology Integrative Biology Track, BS Biology BioMed Track, and BS Biology - Applied Biology Track. In all three tracks, first year students begin by taking BI100-BI100L (Environmental Biology lecture & lab) in Fall followed by BI157- BI157L (Principles of Biology I lecture & lab in subsequent Spring. In Fall of the second year students take BI158-BI158L (Principles of Biology II lecture & lab) along with BI315-BI315L (Genetics lecture & lab). Students considering majoring in Biology should meet with biology faculty for advising as early as possible in their college career. Biology majors must have a "C" or better in all courses required for the major. The Biology Program also offers a MINOR in Biology. Required courses for all tracks and the minor are detailed below.

#### **BS Integrative Biology Track (Total 86-88 Credit Hours)**

*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.*

#### **Integrative Biology Short Summary:**

**Required Courses** (78-80 Credit Hours): BI100/BI100L\*, BI157/ BI 157L\*, BI158/ BI 158L\*, BI310, BI315/315L, BI320, BI321, BI39X (up to 3 credits from BI390, BI392, BI398), BI302/ BI302L (or BI365/ BI365L), (or BI303/ BI303L or BI333/ BI333L), BI412/ BI412L, one BI Capstone Course (or BI410/ BI410L<sup>†</sup>), CH102/CH102L\*, CH103/CH103L, CH310a/CH311, CH310b/CH312, PH 251, PH 252, MA165 (or MA161a & MA161b), and MA203.

**Electives:** (8 Credit Hours): Upper division biology (BI) courses or other science courses approved by the biology program chair.

\*May also fulfill GE requirement courses. <sup>†</sup>May not be double counted as required, elective, or capstone courses.

#### **Integrative Biology Detailed Roadmap:**

##### **GE Requirement Fulfilling Courses**

**50 Credits**

*Courses that fulfill both GE and Biology Program requirements:*

Freshman Composition—EN 110

3cr

Writing for Research—EN 111

3cr



Introductory College Algebra—MA 115	3cr
Fundamental of Communication—CO 210	3cr
Critical Thinking—CT 101	3cr
General Chemistry—CH 102/102L	4cr
Environmental Biology—BI 100/100L	4cr
Principles of Biology I—BI 157/157L	4cr
Principles of Biology II—BI 158/158L	4cr

*Courses that fulfill additional GE requirements:*

1 Human Science Course (any GE in this category)	3cr
1 Creative & Expressive Course (Any GE in this category; EN 210 recommended)	3cr
1 Human Systems & Organizations Course (any GE in this category)	3cr
1 Cultural Perspectives Course (any GE in this category)	3cr
1 Language Course (any GE in this category)	4cr
1 Non-major Diversity Foundation Course (any GE in this category)	3cr

**Biology Common Core 46 Credits**

General Chemistry II—CH 103/103L	4cr
Organic Chemistry I & II—CH 310a/CH 311 & CH310b/CH312	10 cr
University Physics I & II—PH 251 & PH 252 (lecture only)	8 cr
Pre-Calculus – MA 165 *	5 cr
Calculus I – MA 203	5 cr
Evolution – BI 310	3 cr
Genetics – BI 315/315L	4 cr
Scientific Arguments/Writing – BI 320/321	4 cr
Service Learning: Internship/Special Projects/TA—BI 398/390/392	3 cr

\* Can substitute College Algebra & Trig – MA 161a & 161b (6 credits)

**Integrative Biology Track Requirements (Select 1 from each) 12 Credits**

A. Plant Biology—BI 302/302L <i>or</i> Plant Systematics – BI 365/365L	4 cr
B. Animal Physiology—BI 475/475L <i>or</i> Invertebrate Zoology—BI 303/303L <i>or</i> Comparative Vertebrate Anatomy—BI 333/333L	4 cr
C. Biometrics—BI 412/412L	4 cr

**Integrative Biology Track Electives (8 Credits Biology electives) 8-9 Credits**

*Biology Electives (8 credits minimum required, cannot double count as track requirement courses\*):*

Microbiology—BI 225/225L	4 cr
Plant Biology—BI 302/302L	4 cr
Invertebrate Zoology—BI 303/303L	4 cr
Comparative Vertebrate Anatomy—BI 333/333L	4 cr
Ethology—BI 350/350L	4 cr
Plant Systematics—BI 365/365L	4 cr
General Entomology—BI 345/345L	4 cr
Oceanography—BI 380/380L	4 cr
Ecology—BI 410/410L	5 cr
Cell & Molecular Biology—BI 416/416L	4 cr
Biochemistry—BI 419/419L	4 cr
Molecular Medicine —BI 425/425L	4 cr
Scientific Photography—BI 430/430L	4 cr
Animal Physiology—BI 475/475L	4 cr

\*Other electives must be upper division science courses and approved by student's advisor and program chair.

<b>Capstone Course (Select 1):</b>	<b>4–5 Credits</b>
<i>Biology Capstone (cannot double count as track elective course):</i>	
Animal Physiology—BI 475/475L <i>or</i>	4 cr
Ecology—BI 410/410L	5 cr
<b>Total Major and GE Credits</b>	<b>120–122*</b>

\*A minimum total of 124 credits are a requirement for UOG graduation.

**BS Bio-Med Track**  
**(Total: 90-91 Credit Hours)**

*This track is for Biology Majors intending to pursue medical, dental, pharmacy, veterinary school or graduate school in biomedical research.*

**Bio-Med Short Summary:**

**Required Courses** (86-87 Credit Hours): BI100/ BI100L\*, BI124/BI124L, BI125/ BI125L, BI157/ BI157L\*, BI158/158L\*, BI310, BI315/ BI315L, BI320, BI321, BI39X (up to 3 credits from BI390, BI392, BI398), BI225/ BI225L, BI416/ BI416L, BI419/BI419L, CH102/ CH102L\*, CH103/ CH103L, CH310a/CH 311, CH310b/CH312, PH 251, PH252, MA165 (or MA161a & 161b), and MA203.

**Electives:** (4 Credit Hours): Upper division biology (BI) course or other CH or HS course approved by the Biology program chair.

\*May also fulfill GE requirement courses.

**Bio-Med Detailed Roadmap:**

**GE Requirement Fulfilling Courses** **50 Credits**

*Courses that fulfill both GE and Biology Program requirements:*

Freshman Composition—EN 110	3cr
Writing for Research—EN 111	3cr
Introductory College Algebra—MA 115	3cr
Fundamental of Communication—CO 210	3cr
Critical Thinking—CT 101	3cr
General Chemistry—CH 102/102L	4cr
Environmental Biology—BI 100/100L	4cr
Principles of Biology I—BI 157/157L	4cr
Principles of Biology II—BI 158/158L	4cr

*Courses that fulfill additional GE requirements:*

1 Human Science Course (any GE in this category; PY 101 or SO 101 recommended)	3cr
1 Creative & Expressive Course (any GE in this category; EN 210 recommended)	3cr
1 Human Systems & Organizations Course (any GE in this category)	3cr
1 Cultural Perspectives Course (any GE in this category)	3cr
1 Language Course (any GE in this category)	4cr
1 Non-major Diversity Foundation Course (any GE in this category)	3cr

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**Biology Common Core** **46 Credits**

General Chemistry II – CH 103/103L	4cr
Organic Chemistry I & II - CH 310a/CH 311 & CH310b/CH312	10cr
University Physics I & II—PH 251 & PH 252 (lecture only)	8
Pre-Calculus – MA 165 *	5cr
Calculus I – MA 203	5cr
Evolution – BI 310	3cr
Genetics – BI 315/315L	4cr
Scientific Arguments/Writing – BI 320/321	4cr
Service Learning: Internship/Special Projects/TA—BI 398/390/392	3cr
* Can substitute College Algebra & Trig – MA 161a & 161b (6 credits)	

**Bio-Med Track Requirements** **20 Credits**

Microbiology – BI 225/225L	4cr
Cell & Molecular Biology – BI 416/416L	4cr
Biochemistry – BI 419/419L	4cr
Human Anatomy and Physiology I & II – BI 124/124L & BI 125/125L	8cr

**Bio-Med Track Electives (4 credits minimum from the following list)** **4 Credits**

Comparative Vertebrate Anatomy – BI 333/333L	4cr
Ethology – BI 350/350L	4cr
Oceanography – BI 380/380L	4cr
Scientific Photography – BI 430/430L	4cr
Plant Biology – BI 302	4cr
Plant Systematics – BI 365/365L	4cr
Invertebrate Zoology – BI 303/303L	4cr
Ecology—BI 410 (lecture only)	3cr
Biometrics – BI 412/412L	4cr
Molecular Medicine —BI 425/425L	4cr
Pharmacology – BI 432	3cr
Epidemiology – HS 405/G	3cr
Kinesiology – HS 322 or PE 322	3cr
Foundations of Physical Chemistry – CH 350/350L	4cr

**Capstone Course: 4 Credits**

Animal Physiology – BI 475/475L	4cr
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**Total Major and GE Credits** **122-124\***

\*A minimum total of 124 credits are a requirement for UOG graduation.

**BS Applied Biology Track**

**(Total: 87-89 Credit Hours)**

*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.*

**Applied Biology Short Summary:**

**Required Courses** (59-61 Credit Hours): BI100/ BI100L\*, BI157/ BI157L\*, BI158/ BI158L\*, BI310, BI315/ BI315L, BI320, BI321, BI39X (up to 3 credits from BI390, BI392, BI398), BI302/ BI302L (or BI365/ BI365L), (or BI303/ BI303L or BI333/ BI333L), BI412/ BI 412L, one BI Capstone Course or BI410/BI410L<sup>†</sup>), CH102/CH102L\*, CH103/CH103L, CH101/CH101L, MA165 (or MA161a &

MA161b).

**STEM Electives:** (16 Credit Hours): Upper division biology (BI) courses or other science courses approved by the biology program chair.\*May also fulfill GE requirement courses. †May not be double counted as required, elective, or capstone courses.

**Career Building Electives:** (12 Credit Hours): Coursework in other programs that help prepare students for various applied careers, such as education, government agencies, medical testing, and consulting, approved by the Biology program chair.

\*May also fulfill GE requirement courses. †May not be double counted as required, elective, or capstone courses.

**Applied Biology Detailed Roadmap:**

**GE Requirement Fulfilling Courses**

**50–51 Credits**

*Courses that fulfill both GE and Biology Program requirements:*

Freshman Composition—EN110	3cr
Writing for Research—EN111	3cr
Introductory College Algebra—MA115	3cr
Fundamental of Communication—CO210	3cr
Critical Thinking—CT101	3cr
General Chemistry—CH102/CH102L	4cr
Environmental Biology—BI100/BI100L	4cr
Principles of Biology I—BI157/BI157L	4cr
Principles of Biology II—BI158/BI158L	4cr

*Courses that fulfill additional GE requirements:*

1 Human Science Course (any GE in this category)	3cr
1 Creative & Expressive Course (any GE in this category; EN210 recommended)	3cr
1 Human Systems & Organizations Course (any GE in this category)	3cr
1 Cultural Perspectives Course (any GE in this category)	3cr
1 Language Course (any GE in this category)	4cr
1 Non-major Diversity Foundation Course (any GE in this category)	3cr–4cr

**Applied Biology Core**

**39-40 Credits**

•General Chemistry II –CH103/CH103L	4cr
•Intro Organic Chemistry - CH101/CH101L	4cr
•Pre-Calculus – MA165 <u>or</u> College Algebra & Trig – MA161a/MA161b	5cr or 6cr
•Evolution – BI310	3cr
•Genetics – BI315/BI315L	4cr
•Scientific Arguments/Writing – BI320/BI321	4cr
•Plant Biology – BI302 <u>or</u> Plant Systematics – BI365/BI365L	4cr
•Animal Physiology Invertebrate Zoology – BI303/BI303L <u>or</u> Comparative Vertebrate Anatomy— BI333/BI333L	4cr
•Biometrics – BI412/BI412L	4cr
•Service Learning: Internship/Special Projects/TA— BI398/BI390/BI392	3cr

**STEM & Career Building Electives**

**128 Credits**

- Requires 16 Biology/STEM upper division ~~pl~~elective credits, and 12 Career Building elective

*credits for a minimum of 28 credits.*

- *Cannot double count courses taken to satisfy core or capstone requirements*
- *Students must meet all course prerequisites prior to enrollment.*

Biology/STEM Upper Division Electives (Minimum 16 Credits)

Ethology – BI350/BI350L	4cr
Oceanography – BI380/BI380L	4cr
Scientific Photography – BI430/BI430L	4cr
Cell & Molecular Biology – BI416/BI416L	4cr
Plant Biology – BI302	4cr
Animal Physiology – BI475/BI475L	4cr
Plant Systematics – BI365/BI365L	4cr
Invertebrate Zoology – BI303/BI303L	4cr
General Entomology – BI345/BI345L	4cr
Comparative Vertebrate Anatomy – BI333/BI333L	4cr
Ecology – BI410/ BI410L	5cr
Organic Chemistry A and Basic Lab in Organic Chemistry – CH310a & CH311	5cr
Organic Chemistry B and Lab in Organic Chemistry – CH310b & CH312	5cr
Quantitative Analysis – CH330/CH330L	5cr
Foundations of Physical Chemistry – CH350/CH350L	4cr
Biochemistry – BI/CH419/CH419L	4cr

Career Building Electives (Minimum 12 Credits)

Microbiology – BI225/BI225L	4cr
Calculus I – MA203	5cr
Calculus II – MA204	5cr
Multivariable Calculus – MA205	4cr
Differential Equations – MA301	3cr
University Physics I – PH251	4cr
University Physics II – PH252	4cr
Health and Wellness – HS200	3cr
Intro to Public Health – HS216	3cr
Epidemiology – HS405/G	3cr
Principles of Horticultural Science – AL281	3cr
Food Processing Technology – AL300/AL300L	4cr
Technology for Sustainable Tropical Agriculture – AL443/AL443L	4cr
Food Chemistry – AL445/AL445L	4cr
Tropical Vegetable Production – AL484/AL484L	4cr
Tropical Fruits Horticulture – AL485/AL485L	4cr
Ornamental Crop Production – AL486/AL486L	4cr
Extension Programs & Planning – AL389	3cr
Community Planning - AL401	3cr
Principles of Economics – BA110	3cr
Principles of Financial Accounting – BA200	3cr
Management of Organizations – BA240	3cr
Human Resource Management – BA241	3cr
Reporting and Writing the News – CO226	3cr
Public Speaking – CO350	3cr
Organizational Communication – CO370	3cr
Administrative Procedure – LW360	3cr

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Public Admin in Guam & W Pacific – PA201	3cr
Public Administration & Management – PA210	3cr
Supervision in Government Organizations – PA215	3cr
Government Finance – PA303	3cr
Government Public Information – PA304	3cr
Introduction to Teaching – ED110	3cr
Practicum: Observation & Participation – ED192	1cr
Technology Applications for Educators – ED271	3cr

*Other STEM and Career Building courses are possible if approved by student's advisor and program chair.*

**Capstone Course: 4-5 Credits**

*Cannot double count as Applied Biology Core Courses or STEM/Career Building Electives*

Animal Physiology – BI 475/475L <i>or</i> Ecology – BI 410/410L	4cr or 5cr
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**Total Major and GE Credits: 121-124**

\*A minimum total of 124 credits are a requirement for UOG graduation.

**BIOLOGY MINOR REQUIREMENTS**

**(Total 31-33 Credit Hours)**

*Biology minors have limited specialization in the biological sciences.*

**Biology Minor Summary:**

**Required Courses:** (23-25 Credit Hours): BI100/100L\*, BI157/157L\*, BI158/158L\*, BI310, BI315/315L, MA115, MA161a (or MA165).

**Electives:** (8 Credit Hours): Other biology (BI) courses.

**Biology Minor Detailed Roadmap:**

**Biology Minor Core** (*Must meet respective prerequisites to enroll.*) **23-25 Credits**

Introductory College Algebra – MA 115	3cr
College Algebra & Trig I – MA 161a <i>or</i> Pre-Calculus — MA 165	3cr-5cr
Environmental Biology – BI 100L	4cr
Principles of Biology I & II – BI 157/157L & BI 158/158L	8cr
Evolution – BI 310	3cr
Genetics – BI 315/315L	4cr

**Minimum 8 credits BI Electives**

(*See Below. Must meet respective prerequisites to enroll.*)

**8+ Credits**

Microbiology – BI 225/225L	4cr
Plant Biology – BI 302	4cr
Invertebrate Zoology – BI 303/303L	4cr
Scientific Arguments & Scientific Writing — BI 320 & BI 321	4cr
Comparative Vertebrate Anatomy – BI 333/333L	4cr
Ethology – BI 350/350L	4cr
Plant Systematics – BI 365/365L	4cr
Oceanography – BI 380/380L	4cr
Internship/Research/TA – BI 398/390/392	1cr-4cr
Ecology — BI 410/410L	5cr
Biometrics — BI 412/412L	4cr
Cell & Molecular Biology – BI 416/416L	4cr

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Biochemistry – BI 419/419L	4cr
Molecular Medicine – BI 425/425L	4cr
Scientific Photography – BI 430/430L	4cr
Animal Physiology – BI 475/475L	4cr

### **CHEMISTRY PROGRAM**

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. Chemistry Majors must have a “C” or better in all courses required of the major.” It is recommended that chemistry majors planning to pursue graduate work in chemistry complete one year of a modern language, (French, German or Russian). 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.

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.

#### **BS Chemistry goals/objectives include the following:**

1. GOAL 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 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. GOAL 2: Demonstrate the skills to make observations, 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. GOAL 3: Demonstrate the ability to clearly articulate, formulate, and communicate scientific information using computer, written and oral communication skills with the following objectives:

- 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. GOAL 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 & composition of matter.
  - b. Students should be able to solve qualitative & 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. GOAL 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. GOAL 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 & design experimental approach.
7. GOAL 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.
  - c. Students should demonstrate adequate interpersonal communication skills.

### **CHEMISTRY MAJOR REQUIREMENTS**

The Chemistry Program Offer four TRACKS: Three Tracks for Bachelor of Science (BS) degree in Chemistry and 1 Track for Bachelor of Arts (BA) degree in Chemistry with Teaching Emphasis. The BS Tracks are: BS Chemistry Track, BS Chemistry Pre-Pharmacy Track, BS Chemistry – Biology Dual degree Track. The BS Chemistry Teaching Track is tailored for those that are going to teach at high school level.



**CHEMISTRY MINOR REQUIREMENTS**  
**(Total: 33-34 Credit Hours) Required**

**Courses** (29-30 credit hours): CH102-102L, CH103-103L, CH310a-b, CH311, CH312, CH330-330L and CH491, and MA161a-b or MA165.

**Electives** (4 credit hours): Any upper division course(s) in Chemistry (CH).

**BS Chemistry Track**  
**(Total: 68 Credits Hours)**

**Required courses** (63 credit hours): CH102-CH102L, CH103-CH103L, CH310a-b, CH311, CH312, CH330-CH330L, CH410-CH410L, CH450a-b, CH451, CH491 and MA203, MA204, MA 205 and PH210, PH211, PH251, PH252.

**Elective** (5 Credit hours): Upper division chemistry (CH) courses or program-approved courses.

**BS Chemistry Pre-Pharmacy Track**  
**(Total: 86 - 87 Credits Hours)**

**Required courses** (82-83 credit hours): CH102-CH102L, CH103-CH103L, CH310a-b, CH311, CH312, CH330-CH330L, CH350-CH350L, CH/ BI419-CH/ BI419L, CH491 and BI124-BI124L, BI125-BI125L, BI157-BI157L, BI158-BI158L, BI225-BI225L, BI315-BI315L, BI416-BI416L, and MA161a-b (or MA165), MA203, and PH210, PH211, PH251, PH252 and NU207B

**Elective** (4 credit hour): Upper division chemistry or biology course Recommend GE requirements, CT101, PY101, S0101, BA110, EN110, EN111, C0210, MA151

**BS Chemistry Teaching Track**  
**(Total: 78-82 Credit Hours)**

**Required courses** (69-73 credit hours): CH102-CH102L, CH103-CH103L, CH310a-b, CH311, CH312, CH330-CH330L, CH350-CH350L, CH392, CH491 and BI100-BI100L, BI157-BI157L, BI158-BI158L, and MA 161a-b or MA165, MA203, and PH210, PH211, PH251, PH252 and NS110-NS110L, NS112-NS112L or GE203.

**Electives (9 credit hours):** 5 credit hours of upper division chemistry (CH) courses and 4 credit hours of upper division science (AL, BI, MA, PH) courses.

**BS Chemistry- Biology Dual Degree Track**  
**(Total: 94 Credits Hours)**

**Required courses** (85 credit hours): CH102-CH102L, CH103-CH103L, CH310a-b, CH311, CH312, CH330-CH330L, CH350-CH350L, CH410-CH410L, CH/ BI419-CH/ BI419L, CH491 and BI157-BI157L, BI158-BI158L, BI225-BI225L, BI310, BI315-BI315L, BI410-BI410L, BI412-BI412L, BI416-BI416L, and MA203, and PH210, PH211, PH251, PH252.

**Electives** (9 credit hours): 5 credit hours of upper division chemistry course and 4 credit hours of upper division biology course.

NOTE: AS APPROVED BY FS NO 5764- REQUEST FOR PROGRAM REMOVAL. B.S. AND MINOR IN COMPUTER INFORMATION SYSTEMS. – NO NEW MAJORS OR MINORS ACCEPTED INTO THE PROGRAM STARTING FALL 2018. APPROVED 121517

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## COMPUTER SCIENCE PROGRAM

The Computer Science major program is designed to provide students professional preparation in 1) program design and analysis, 2) systems analysis and management, and 3) systems architecture and networking. It also prepares students for graduate work in computer science. Majors must have a “C” or better in all courses required of the major.

Admission Requirements: All students intending to declare themselves computer science majors must:

- Have a cumulative GPA of at least 2.5 prior to entry into the program. Once admitted into the program, new students should see the mathematics division secretary to be assigned a CS advisor.

The goals of BS Computer Science include the following: CS majors must receive a “C” or better and maintain a 2.5 GPA for all courses required of this major.

**CS/CIS PR-1:** (GE) Demonstrate competence with **Windows** and basic **MS Office** applications especially MS WORD, EXCEL, and PowerPoint.

**CS/CIS PR-2:** Demonstrate **technical competence\*** in **Programming**:

- Analyze problems and create algorithm/heuristic solutions.
- Develop these using computer-programming methodologies in several programming languages.

**CS/CIS PR-3:** Demonstrate technical competence in **Systems**.

- Identify and analyze system requirements, criteria and specifications.
- Design and implement human sensitive/compatible computer based systems using appropriate tools, methods and techniques.
- Effectively manage, organize, and retrieve all forms of information.
- Evaluate system design solutions and their risks.

**CS/CIS PR-4:** Demonstrate technical competence in **Databases**.

- Be able to design and implement a functional database.

**CS/CIS PR-5:** Demonstrate technical competence in **Networks**.

- Be able to design, install, administer, and maintain a computer network.
- Be able to setup, install, and use two different operating systems and be able to program client- server applications for them.

**CS/CIS PR-6:** Develop and ethically utilize these technical skills to construct systems.

\***Technical Competence** means to be able to design, implement (build/code, test, debug), communicate effectively (in written, oral, and numerical forms), individually, and as part of a team.

## COMPUTER SCIENCE MAJOR REQUIREMENTS

(Total: 77 Credit Hours)

**Required Courses (45 credit hours):** CS200\*, CS201, CS202, CS303, CS305, CS315, CS360, CS365, CS380, CS403, CS425, CS431, CS492 and CS498.

**Required Support Courses (32 credit hours):** MA151\*, MA203, MA204, MA341, MA351, MA375, PH210\*, PH211\*, PH251\*, and PH252\*.

\* Fulfill the General Education (GE) requirements.

## COMPUTER SCIENCE MINOR REQUIREMENTS

(Total: 37 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 the graduate school-bound student and one headed for an information technology intensive workplace.

**Required Courses (28 credit hours):** CS200\*, CS201, CS202, CS303, CS315, CS360, CS403, CS492 and MA203\*.

**Elective Courses** (9 credit hours): Select 9 credit hours from the following courses: CS305, CS365, CS380, CS431, MA151\*, MA204, MA341, MA351, MA385, MA411, MA451, MA460, PH210\*, PH211\*, PH251\* and PH252\*.

### MATHEMATICS PROGRAM

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 College of Education section. A student must declare a double major in Mathematics and Education for a secondary teaching degree.

BS Mathematics **goals** include the following:

#### Students completing the mathematics program at the UOG will:

**MA PR-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.

**MA PR-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).

**MA PR-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.

**MA PR-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.

**MA PR-5:** *show maturity in mathematical knowledge and thinking* that prepares and encourages students to pursue graduate studies in mathematics or in related fields.

**MA PR-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.

### MATHEMATICS MAJOR REQUIREMENTS

(Total: 53 Credit Hours)

Each mathematics major must complete studies with a cumulative GPA of 2.3 in the courses specified as required courses for the major.

**Required Courses** (44 credit hours): Either CS201 or CS 202, PH251, PH252, MA203, MA204, MA205, MA302, MA341, MA411, MA421, MA422, and any one of MA301, MA361 or MA375.

**Electives** (9 credit hours): A minimum of nine credit hours of upper division Mathematics (MA) courses in addition to those already required.

### MATHEMATICS MINOR REQUIREMENTS

(Total: 29 Credit Hours)

**Required Courses** (17 credit hours): MA203, MA204, MA205 and MA302.

**Electives** (12 credit hours): A minimum of six (6) credit hours of upper division Mathematics (MA) courses in addition to MA302.

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## MILITARY SCIENCE MINOR PROGRAM

### MILITARY SCIENCE MINOR REQUIREMENTS

(Total: 29 credit hours)

**Required Courses** (29 credit hours): MSL101, MSL102, MSL201, MSL202 (or MSL292 without prior military credit); MSL301, MSL302, MSL392, MSL401, MSL402, HI306. [Any 300 or 400 level History course must first be approved by the Professor of Military Science (PMS) prior to taking the alternative course.]

**Electives** (8 credit hours): For eligible students who pre-qualify for MSL101, 102, 201 and 202 (prior service credit), a total of 8 credit hours may be substituted by courses recommended by the Professor of Military Science.

### U.S. ARMY SENIOR RESERVE OFFICERS' TRAINING CORPS (SROTC)

**General Information:** The SROTC is an Army leadership-training program that has a contractually agreed upon cooperative effort with the University of Guam (UOG). The SROTC's purpose is to commission Army Officers, the future leadership of the U.S. Army. When students finish the Army SROTC coursework and graduate with a UOG college degree, they are commissioned as second lieutenants in the U.S. Army with a job either on Active Duty, with the National Guard, or with the Reserves.

**Four-year Program:** The four-year program is divided into the 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 contract early after meeting the minimum requirements. To become eligible for enrollment in the advanced course, a student must have junior academic standing (60 credit hours), meet the eligibility requirements stated below, and successfully complete the basic courses.

**Two-year Program:** A student may enter SROTC during their junior year or as a Graduate Student by having completed a basic course equivalent. Successful completion of MSL 292 or Basic Training / Initial Entry Training / Advanced Individual Training with a certificate of completion or DD Form 214 is required.

**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 /graduate course. However, to qualify for enrollment as an ROTC cadet in the program leading to a commission, a student must meet the following requirement:

- U.S. citizenship is required prior to commissioning.
- Be at least 17 years of age with consent at time of contracting and no more than 35 years of age at time of commissioning.
- Be a full time student at UOG, GCC, or a combination of the two.
- Not be convicted of felony.
- Be approved by the Professor of Military Science.
- Specific questions regarding the above criteria should be directed to the Military Science department at (671) 734-3000.

**Tuition:** Military Science courses at UOG are tuition free. However, students must be full time in order to enroll in SROTC. All Military Science required uniform and equipment are provided on a loan basis. All Military Science course texts are also provided to students at no cost.

**Financial Assistance:** Two, three, and four-year Army ROTC scholarships are available on a competitive basis for qualified applicants. Recipients receive full tuition, lab fees, book expenses up to

\$250, and a \$300 per month stipend for up to 10 months of their freshman school year; \$350 the sophomore year. All contracted advance course cadets receive a monthly stipend. Juniors receive \$450 a month, Seniors \$500 a month, for up to 10 months per academic school year.

**Professional Military Education (PME):** The PME component, a requirement prior to commissioning, consists of two parts: A baccalaureate degree in an approved field and successful completion of at least one undergraduate the General Education Requirements and Military History (*ROTC Contracted Cadets must fulfill Military History requirement with either HI-306 offered at UOG, or an alternative course that has been approved by the Professor of Military Science before the alternative course is taken*);

### **NATURAL SCIENCE COURSES**

Courses in astronomy, geology, meteorology, and oceanography are offered for students interested in these environmentally-oriented disciplines. The lower division geology and physical science courses may be used to satisfy general education science requirements. Meteorology and oceanography may serve as upper division electives.

### **PHYSICS COURSES**

Physics courses are designed to provide students with a general knowledge of physics principles and laboratory skills. Courses are offered to meet the requirements of specific majors, e.g., chemistry, mathematics, agriculture, and biology.

### **PREPROFESSIONAL PROGRAMS**

#### **PREMEDICAL, PREOPTOMETRY, PREPHARMACY, PREDENTAL AND PREVETERINARY PROGRAMS**

The University of Guam offers all courses, which 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 “pre-med 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, and, in addition, 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).

The University offers a pre-pharmacy program that leads directly to entrance to the School of Pharmacy at the University of Hawaii – Hilo. For more information, contact the CNAS Academic Advisor at: [quinatak@triton.uog.edu](mailto:quinatak@triton.uog.edu).

Courses such as quantitative analysis, biochemistry, cell physiology, genetics and comparative anatomy are often recommended if scheduling permits. Often, premed, 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 premeds, preoptometry and predents 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.

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, in addition to basic science, 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-vet 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 these preprofessional programs see the CNAS Academic Advisor. All students who plan to go to medical, optometry, dental, and veterinary schools are encouraged to seek this advisement, regardless of their subject area. 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. Inquiries from high school students and other Guam residents are welcomed.



## SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION



### MISSION

The mission of the School of Business and Public Administration (SBPA) 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 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.

The School 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 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.

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## DEGREE PROGRAMS

- Bachelor of Business Administration\*
- Bachelor of Business Administration in Accounting
- Bachelor of Science in Criminal Justice
- Bachelor of Science in Public Administration

\* Note: the BBA program replaces the BBA with Concentration program effective catalog year 2018-19.

- Master of Public Administration
- Professional Master of Business Administration (On ground and Online)

## CERTIFICATE AND SPECIAL INSTRUCTION PROGRAMS

- Health Services Administration

## ADMISSION AND OTHER PROGRAM REQUIREMENTS

Prior to acceptance into all SBPA programs, students must comply with the following:

- Must have at least a cumulative 2.0 GPA;
- Must have completed EN111 and MA110 or MA115, MA161a/b or MA165 with a grade of "C" or better in both classes before enrolling in upper-division courses;
- For the BBA degree program must have at least a 2.7 GPA to take upper-division coursework in the General Business pathway, 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;
- For the BBAA degree program must have at least a 3.0 GPA in all Accounting major courses and a cumulative 3.0 GPA overall;
- For BBA, BSCJ and BSPA degree programs must earn a grade of "C" or better in their major required coursework to include Foundation requirements.

## ADVISEMENT

The School is committed to student advisement. 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 UOG SBPA Website. Forms should be completed before meeting with an advisor. Consultation with the SBPA Advisement and Assessment Coordinator is required for all New and Transfer Students pursuing majors within SBPA. Advisement group sessions for declared majors will be scheduled in the regular semesters and as needed.

**BBA Majors.** Required to meet three times with an SBPA advisor: 1) after students have taken 36 credit hours and before registering for any BA300- or BA400-level course; 2) before registering for any BA400-level course; and 3) before registering for BA483 Business Service Learning.

**BBAA Majors.** Required to meet three times with an SBPA advisor: 1) after accounting students have taken 36 credit hours; 2) before registering for BA301 Intermediate Accounting II; and 3) before registering for BA400-level courses.

**BSCJ and BSPA Majors.** Required to meet two times with an SBPA advisor: 1) upon declaration of a major course of study; and 2) two academic semesters before the date of expected graduation.

**All SBPA students.** An advisement meeting is also required when a student changes to another major in SBPA, adds a second major in SBPA or transfers from another institution.



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## **SBPA ADMINISTRATION**

The School of Business and Public Administration Dean's Office is located on the second floor of the Jesus and Eugenia Leon Guerrero Business and Public Administration Building. Correspondence with the SBPA administration can be directed to:

Dr. Annette Taijeron Santos, Dean  
School of Business and Public Administration  
University of Guam  
UOG Station, Mangilao, GU 96923  
Email: [atsantos@triton.uog.edu](mailto:atsantos@triton.uog.edu)  
Phone: (671) 735-2501/2520  
You can also find us on social media:



Twitter: @uog\_sbpa  
Instagram: @ugam\_sbpa  
Facebook: @uogsbpa

## **SBPA STUDENT ORGANIZATIONS**

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

- American Marketing Association-UOG Collegiate Chapter (AMA)
- Lambda Psi Chapter of Alpha Phi Sigma
- Entrepreneur Society (E-Society)
- Junior Accountants Society (JAS)
- Pi Alpha Alpha Honor Society
- Public Administration and Legal Studies Club (PALS)
- Sigma Beta Delta Honor Society
- Society for Human Resource Management-UOG Student Chapter (SHRM)
- Soroptimist Sigma Society (SIGMA)
- Tourism Awareness Group (TAG)
- Triton Investments (TI)

## **SBPA ADVISORY COUNCIL**

The mission of the SBPA 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.

## **BACHELOR OF BUSINESS ADMINISTRATION DEGREE PROGRAM (BBA)**

The BBA program prepares undergraduate students from Guam and the region to assume professional business positions in the private and public sectors. Students pursue their degree through one of three pathways, each of which leads to the same BBA degree. The three BBA pathways are: 1) General Business Pathway; 2) Business Professional Pathway; 3) Business Honors Pathway. 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).

## BBA PROGRAM LEARNING OUTCOMES:

Successful students will:

- PLO 1: Know, apply and integrate fundamental business concepts;
- PLO 2: Understand local, regional and global business in the context of the economic environment, ethics, law and society;
- PLO3: Solve business problems using research, technical, quantitative, collaborative and decision-support tools;
- PLO 4: Think critically, communicate effectively, act decisively; and
- PLO 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 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. To receive the BBA degree, students complete 124 semester credit hours.

### SUMMARY OF REQUIREMENTS FOR THE BBA DEGREE

<b>General Education</b>	<b>47</b>
<b>BBA Foundation*</b>	<b>50*</b>
<b>BBA Pathway*</b>	<b>24*</b>
<b>Upper-Division Free Electives</b>	<b><u>3</u></b>
<b>Total Semester Credit Hours</b>	<b>124</b>

*\*NOTE: 1) It is School policy and a business accreditation standard that at least fifty percent (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 COMPONENT OF THE BBA DEGREE (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:

**Tier I:** Core Foundation (15 credit hours)— CT101, MA110, EN110, CO210, EN111

**Tier II:** Diversity Foundation (23 credit hours):

Science and Math (4 credit hours) – any course

Human Science (3 credit hours) - PY101 General Psychology or SO101 Introduction to Sociology

Creative and Expressive Arts (3 credit hours) – any course

Human Systems and Organizations (3 credit hours) – any course

Cultural Perspective (3 credit hours) – any course

Uniquely UOG Language (4 credit hours) – any course

Uniquely UOG Regional (3 credit hours) – if approved for this option, PA233 recommended; otherwise, any course

**Tier II:** Direction Building (9 credit hours):

Direction Building #1 (3 credit hours) – BA110 Principles of Economics

Direction Building #2 (3 credit hours) – BA180 Business Essentials

Direction Building #3 Non-Major Exploration (3 credit hours) – PA205 Data and Basic Statistics for Gov't and Business

**Tier III:** Capstone Experience — BA480 Business Policy and Strategy *included in the BBA Foundation.*

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## FOUNDATION COMPONENT OF THE BBA DEGREE (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.

<b>COURSE</b>	<b>TITLE</b>	<b>CREDIT HOURS</b>	<b>PREREQUISITE</b>
BA131 OR BA230	Introduction to Information Management OR Data Processing and Data Administration	3	MA110/ MA115; C or better MA110/ MA115/ MA161ab/ MA165; C or better
BA200 MA161ab;	Principles of Financial Accounting	3	BA131/ BA230 and MA110/ MA115/ C or better
BA201	Principles of Managerial Accounting	3	BA200; C or better
BA220	Basic Business Finance	3	PA205/ MA151/ BA210 and BA201; C or better
BA240	Management of Organizations	3	BA180
BA241	Human Resource Management	3	Placement in EN110 and MA110/ MA115
BA260	Fundamentals of Marketing	3	
BA310	Applied Statistics for Business Decisions	3	PA205/ MA151/ BA210 and BA240; C or better
Choice of:			
BA333	Management Information Systems OR	3	BA240 and BA330; C or better
BA334	Business Analytics OR		PA205/ MA151/ BA210
BA380	E-Business		BA260 and BA330 * may be co-requisite
Choice of:			
BA252	International Tourism OR	3	BA240
BA341	International Business Environment OR		
BA420	International Corporate Finance OR		BA220; C or better
BA460	International Marketing		BA260; C or better
BA335	Cyber Security and Cloud Services	3	BA130/ BA131/ BA230
BA/PA347	Leadership & Collaboration in Business & Society	3	BA240
BA386	Logistics and Supply Chain Management	3	BA240 and BA260
BA440	Organizational Behavior	3	PY101/ SO101 and BA240
LW442	The Law and Ethics in Business and Government	3	
BA483	Business Professional and Career Development	2	BA220, BA260, BA310 and BA241 or PA440; Senior
BA480	Business Strategy and Policy	3	BA483, Graduating Senior, Instructor’s consent
<b>Total</b>		<b>50</b>	

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. BA131); 2 for sophomores (e.g. BA260); 3 for juniors (e.g. BA310); and 4 for seniors (e.g. BA440). During the senior year, after having completed most of the General Education and BBA Foundation coursework, students take BA483 Business Professional and Career Development. The course is also a prerequisite for the BA480 Business Policy and Strategy capstone. As graduating seniors, students take BA480 Business Strategy and Policy capstone course that integrates the fundamental concepts learned and challenges the students to apply their skills.

### PATHWAY COMPONENT OF THE BBA DEGREE (24 credit hours of upper-division BA coursework)

A BBA pathway identifies the upper-division BA coursework required beyond the BBA Foundation. There are three alternative BBA pathways. Each has its own merit-based qualification standards, which students must meet before taking upper-division BA courses in their pathway.\*

1. BBA General Business Pathway OR
2. BBA Business Professional Pathway OR
3. BBA Business Honors Pathway.

\* Note: i) Each pathway leads to the same BBA degree. Diplomas and transcripts will state that the student was awarded the BBA degree, but will not state the pathway. ii) BBA Pathways are not concentrations.

### **1. BBA General Business Pathway Requirements (24 credit hours)**

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.

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 8 upper-division, business-interdisciplinary BA courses (24 credit hours), as follows.

- 5 courses: 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 9 credit hours in accounting, economics, finance, management {includes entrepreneurship, human resources, information technology, international tourism/hospitality}, or marketing)
- 1 course: BA410 Managerial Economics
- 1 course: BA441 Operations & Project Management
- 1 course: BA482a Business Service Learning: Senior Team Field Project, advisor approval.

### **2. BBA Business Professional Pathway Requirements (24 credit hours)**

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.

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 8 upper-division courses (24 credit hours), as follows.

- 6 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.
- 1 course: BA431 Topics in the Management of Technology & Innovation
- 1 course: BA482b Business Service Learning: Business/Research Internship, advisor approval

### **3. BBA Business Honors Pathway Requirements (24 credit hours)**

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.

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 8 upper-division courses (24 credit hours), as follows.

- 5 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.
- 1 course: BA431 Topics in the Management of Technology & Innovation
- 2 courses: Two Business Service Learning courses from BA482b Business/Research Internship and/or BA482c Business Formation, Innovation and Transformation. Depending on their interests, students may select one course in BA482b and one in BA482c; or two courses in either BA482b or BA482c.

### **UPPER-DIVISION FREE ELECTIVE COMPONENT OF THE BBA DEGREE (3 credit hours)**

Students must complete 3 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 LW442 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.

### **BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING (BBAA)**

The BBAA degree is for students interested in professional careers in the accounting field. Students may find job opportunities in auditing, financial planning, consulting, and technical accounting. Jobs in accounting are found in public accounting, private accounting, all levels of government and not-for-profit accounting.

The BBAA Program stresses technical skills that support the four key areas of accounting: audit, cost, government, and tax. Emphasis is given to knowing how financial data are assembled and integrated into a set of financial statements, understanding techniques and procedures, and using accounting computer applications.

#### **BBAA PROGRAM LEARNING OUTCOMES:**

Successful students will:

- PLO 1: Demonstrate leadership in the accounting/ business environment;
- PLO 2: Demonstrate critical thinking and the ability to gather and synthesize information for accounting/business management problems;
- PLO3: Identify and analyze ethical problems that occur in the accounting/ business environment;
- PLO 4: Demonstrate competency in the application of accounting principles and concepts for local, regional, and global environments;
- PLO 5: Demonstrate the ability to communicate relevant financial and non- financial information effectively; and
- PLO 6: Demonstrate competency in information technology for the accounting/business environment.

**Requirements for *continuing* BBAA students:** Students who declare a BBAA major are required to: 1) pass the Accounting Major Competency Exam as part of the prerequisites for BA300; and, 2) maintain a cumulative GPA of 3.0 or higher in the Accounting major requirements and an overall GPA of 3.0 or higher.

## SUMMARY OF REQUIREMENTS FOR THE BBAA DEGREE

General Education Requirements	47
BBAA Foundation Courses	47*
BBAA Major Requirements	<u>30*</u>
Requirement for Graduation (credit hours)	124

\*NOTE: 1) It is School policy and a business accreditation standard that at least fifty percent (50%) of the BBAA Foundation and BBAA Major components must be earned at the University of Guam.

### GENERAL EDUCATION COMPONENT OF THE BBAA DEGREE

The BBAA degree program requires students to complete 47 semester credit hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BBAA students include the following courses as part of their General Education requirements:

Tier I: Core Foundation (15 credit hours)— CT101, MA110, EN110, CO210, EN111

Tier II: Diversity Foundation (23 credit hours):

Science and Math (4 credit hours) – any course

Human Science (3 credit hours) - PY101 General Psychology or SO101 Introduction to Sociology

Creative and Expressive Arts (3 credit hours) – any course

Human Systems and Organizations (3 credit hours) – any course

Cultural Perspective (3 credit hours) – any course

Uniquely UOG Language (4 credit hours) – any course

Uniquely UOG Regional (3 credit hours) – if approved for this option, PA233 recommended; otherwise, any course

Tier II: Direction Building (9 credit hours):

Direction Building #1 (3 credit hours) – BA110 Principles of Economics

Direction Building #2 (3 credit hours) – BA180 Business Essentials

Direction Building #3 Non-Major Exploration (3 credit hours) – PA205 Data & Basic Statistics for Gov't & Business

Tier III: Capstone Experience — BA480 Business Policy and Strategy *included in the BBAA Foundation*

### FOUNDATION COMPONENT OF THE BBAA DEGREE

COURSE	TITLE	CREDIT HOURS	PREREQUISITE
BA200	Principles of Financial Accounting	3	BA131/ BA230 and MA110/ MA115/ MA161ab; C or better
BA201	Principles of Managerial Accounting	3	BA200; C or better
BA220	Basic Business Finance	3	PA205/ MA151/ BA210 and BA201; C or better
BA230	Data Processing & Data Administration	3	MA110/ MA115/ MA161ab/ MA165; C or better
BA240	Management of Organizations	3	BA180
BA260	Fundamentals of Marketing	3	
BA307	International Accounting	3	BA301; C or better
BA310	Applied Statistics for Business Decisions	3	PA205/ MA151/ BA210 and BA240; C or better
BA334	Business Analytics	3	PA205/ MA151/ BA210
BA/PA347	Leadership & Collaboration in Business & Society	3	BA240
BA410	Managerial Economics	3	BA310; C or better
BA440	Organizational Behavior	3	PY101/ SO101 and BA240
LW442	The Law and Ethics in Business and Government	3	
LW443	Business Law II	3	LW442; C or better
BA483	Business Professional & Career Development	2	BA220, BA360, BA310, and BA241 or BA440; Senior
BA480	Business Strategy and Policy	3	BA483, Graduating Senior, Instructor's consent
<b>Total</b>		<b>47</b>	

## ACCOUNTING MAJOR COMPONENT OF THE BBAA DEGREE

COURSE TITLE	CREDIT HOURS	PREREQUISITE
BA300 Intermediate Accounting I	3	BA201, Accounting Major Competency Exam, Instructor's consent
BA301 Intermediate Accounting II	3	BA300
BA304 Income Taxation	3	BA201
BA305 Cost and Managerial Accounting	3	BA201
BA400 Advanced Accounting	3	BA301
BA401 Governmental Accounting	3	BA301
BA402 Accounting Systems	3	BA301, BA305, BA330
BA403 Auditing	3	BA402
BA405 Accounting Internship	3	Graduating Senior, Instructor's consent
BA406 Ethics for the Accountant	3	Instructor's consent
<b>Total</b>	<b>30</b>	

**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.**

### *BACHELOR OF SCIENCE IN CRIMINAL JUSTICE DEGREE PROGRAM (BSCJ)*

The Criminal Justice Program is designed as an interdisciplinary study drawing from legal studies, mathematics, psychology, business and public administration. Graduates qualify to hold management and administrative positions within the criminal justice system, i.e., corrections, customs, judiciary, police, etc. Students must earn a grade of "C" or better in all major coursework.

#### ***BSCJ PROGRAM LEARNING OUTCOMES:***

Successful students will:

- PLO 1: Demonstrate a general understanding of the various roles of criminal justice professions in the public and private sectors;
- PLO 2: Demonstrate leadership and teamwork skills;
- PL03: Demonstrate critical thinking and analytical skills in solving real world problems in criminal justice;
- PLO 4: Demonstrate a sufficient real world understanding of law and public policy processes;
- PLO 5: Demonstrate proficiency in information technology and communication skills, etc.;
- PLO 6: Demonstrate an understanding of local, regional, and global environments and their relevance to criminal justice;
- PLO 7: Demonstrate an understanding of ethical, professional, and socially responsible behavior.

### **SUMMARY OF REQUIREMENTS FOR THE BSCJ DEGREE**

General Education Requirements	47
Criminal Justice Major Requirements	47
Criminal Justice Required Electives	30
<b>Requirement for Graduation (credit</b>	<b>124</b>

**Important Note: 40 upper division credits are required for the baccalaureate degree**

**GENERAL EDUCATION COMPONENT OF THE BSCJ DEGREE**

The BSCJ program requires students to complete 47 semester hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BSCJ students include the following courses as part of their General Education requirements:

Tier I: Core Foundation — CT101, MA110, EN110, CO210, EN111

Tier II: Diversity Foundation — PY101 or SO101, BA110, LW101, EN210

Tier III: Capstone Experience — LW409

**CRIMINAL JUSTICE MAJOR REQUIREMENTS**

**(Total: 47 credit hours)**

<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>	<b>PREREQUISITE</b>
BA130 Intro to Computers and Applications	3	MA110 or MA115
LW106 Personal Law	3	None
LW202 Trial and Evidence	3	None
LW306 Criminal Law	3	None
LW311 Correctional Security Mgmt. and Admin.	3	
LW402 Constitutional Law	3	
LW404 Administration and Management of Criminal Justice Organization	3	
LW490 Special Project: Legal Studies	1	
PA210 Public Admin. and Management: Concepts and Applications	3	None
PA233 Impact of Government Regulatory Administration Business	3	None
PA303 Government Finance	3	
PA304 Government Public Information	3	
Choice of:		
MA385 Applied Statistics <i>or</i>		MA151
PA305 Data Analysis in Public Administration	3	BA130
PA403 Public Personnel Administration	3	
PA405 Leadership Ethics in the Professions	3	
PA490 Special Project: Public Administration	1	
LW409 Problems in Criminal Justice	3	Graduating Senior, Instructor's
Consent		

**Total 47**

**CRIMINAL JUSTICE REQUIRED ELECTIVES**

**(Total: 30 credit hours)**

Required electives must be approved by BSCJ advisor.

**BACHELOR OF SCIENCE IN PUBLIC ADMINISTRATION DEGREE PROGRAM (BSPA)**

The Bachelor of Science in Public Administration (BSPA) is designed to equip students with professional competencies to accomplish managerial tasks and organizational objectives in public and not-for-profit organizations. Students enrolled in the BSPA degree program study the various roles of professional managers in public service; develop leadership and analytical skills; study policy-making processes; and learn the techniques of sound public sector management. The program provides special attention and sensitivity to cultural and social issues in the Western Pacific and Asia region and an understanding of their relevance to public administration. Students must earn a grade of "C" or better in all major coursework.



**BSPA PROGRAM LEARNING OUTCOMES:**

Successful students will:

- PLO 1: Demonstrate a general understanding of the various roles of professional managers in the public and nonprofit sectors;
- PLO 2: Demonstrate leadership and teamwork skills;
- PLO3: Demonstrate critical thinking and analytical skills in solving real world problems in public administration;
- PLO 4: Demonstrate a sufficient real world understanding of public policy processes;
- PLO 5: Demonstrate proficiency in information technology and communication skills, etc.;
- PLO 6: Demonstrate an understanding of local, regional, and global environments and their relevance to public administration;
- PLO 7: Demonstrate an understanding of ethical, professional, and socially responsible behavior.

**SUMMARY OF REQUIREMENTS FOR THE BSPA DEGREE**

General Education Requirements	47
Public Administration Major Requirements	50
Public Administration Required Electives	27
<b>Requirement for Graduation (credit hours)</b>	<b>124</b>

**Important Note: 40 upper division credits are required for the baccalaureate degree.**

**GENERAL EDUCATION COMPONENT OF THE BSPA DEGREE**

The BSCJ program requires students to complete 47 semester hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BSCJ students include the following courses as part of their General Education requirements:

- Tier I: Core Foundation — CT101, MA110, EN110, CO210, EN111
- Tier II: Diversity Foundation — PY101 or SO101, BA110, PA201, EN210
- Tier III: Capstone Experience — PA402

**PUBLIC ADMINISTRATION MAJOR REQUIREMENTS**

**(Total: 50 credit hours)**

<b>COURSE TITLE</b>	<b>CREDIT HOURS</b>	<b>PREREQUISITE</b>
BA130 Intro. To computer and Applications	3	MA110 or MA115
BA230 Data Processing and Data Admin with MAC Applications <i>or</i>		MA110 or MA115
BA330 Information Technology and Networks for Business	3	EN111, MA110
BA303 Governmental Accounting for Non-Accounting Majors	3	EN111, MA110
LW402 Constitutional Law	3	
PA210 Public Administration and Management Concepts and Application	3	None
PA215 Supervision in Government Organizations	3	None
PA233 Impact of Government Regulatory Admin. on Business	3	None
PA303 Government Finance	3	
PA304 Government Public Information	3	
Choice of:		
MA385 Applied Statistics <i>or</i>	3	MA151
PA305 Data Analysis in Public Administration	3	BA130
PA307 The Economics of Healthcare	3	
PA/AL401 Community Planning	3	
PA403 Public Personnel Admin.	3	
PA405 Leadership Ethics in the Professions	3	

PA420 Public Finance and Fiscal Policy	3	
PA490 Special Project: Public Administration	2	
PA402 Public Admin. and Public Policy	3	Graduating Senior, Instructor's
Consent		
<b>Total</b>	<b>50</b>	

***PUBLIC ADMINISTRATION REQUIRED ELECTIVES***

**(Total: 27)**

Required electives must be approved by Public Administration advisor.

***CERTIFICATE AND SPECIAL INSTRUCTION PROGRAMS***

There are a number of professional certificate programs offered by the School of Business and Public Administration. The purpose of these programs is to extend student learning in various specialized fields and when designated, are developed 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. Students interested in pursuing a minor/certificate in Health Services Administration should contact the SBPA Dean's Office at [sbpa@triton.uog.edu](mailto:sbpa@triton.uog.edu) to schedule an appointment.

**MINOR/CERTIFICATE IN HEALTH SERVICES ADMINISTRATION**

**(Total: 18 credit hours)**

The populations of Guam and the Western Pacific are changing and with it 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 on administrative and managerial decisions. Health Services Administration minor provides a solid theoretical and practical grounding through the process of formal education.

The minor/certificate in Health Services Administration is open to all majors in the School of Business and Public Administration and in other degree programs of the University. It requires the completion of 18 credit hours of specialized courses. Students must earn a grade of C or better in the required courses listed below.

Course Title	Credit Hours
PA206 Public Health and Disease Mgmt.	3
PA207 The Administration of Public Health Systems	3
PA210 Public Administration & Mgmt. Concepts	3
PA306 Health Care Planning & Evaluation	3
PA307 The Economics of Health Care	3
PA405 Leadership Ethics in the Professions	3
<b>Total</b>	<b>18</b>

## ***PRE-LAW CURRICULUM***

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 and Public Administration faculty will assist students to prepare for the Law School Admission Tests and law school applications.

### ***SUGGESTED PRE-LAW COURSES***

#### **Humanities:**

<b>Course Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>
CO340 Persuasion	3	CO210
EN319 Advanced Composition	3	EN111
HI201 Early America I	3	
HI202 Modern America	3	
PA405 Leadership Ethics in the Professions	3	Senior Standing
PI210 Introduction to Logic	3	

#### **Natural Sciences and Math:**

<b>Course Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>
BI157-157L		
BI158-158L Principles of Biology	8	
MA151* Introductory Statistics	3	MA085b or Placement

#### **Business:**

<b>Course Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>
BA200 Principles of Financial Accounting or MA115 BA201 Principles of Managerial Accounting	3	BA130 or BA230 and MA110
better BA110 Principles of Economics	3	BA200 with grade of "C" or
BA130 Introduction to Computer Operations	3	

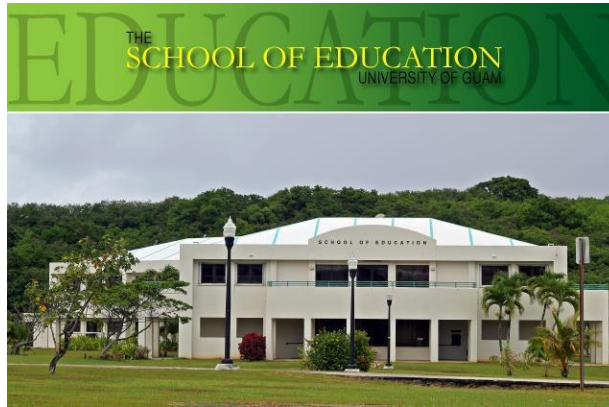
#### **Social Science:**

<b>Course Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>
PS101 Intro to Government and Politics	3	
PS202 Government in the United States	3	
PS420 International Law	3	PS215 or consent of instructor

#### **Legal Studies:**

<b>Course Title</b>	<b>Credit Hours</b>	<b>Prerequisite</b>
LW101 Intro to Criminal Justice	3	
LW202 Personal Law	3	
LW306 Criminal Law	3	
LW311 Correctional Security and Administration		
LW402 Constitutional Law	3	Senior Standing

## SCHOOL OF EDUCATION



The major mission of the School of Education is the provision of pre-service teacher education to meet the multicultural educational demands of the island's educational system as well as providing for the region as a whole. The emerging challenges brought about by social, economic, and political changes within the region have created a need to expand the School's ability to deliver appropriate instruction and related educational services. Thus, an integral part of the School's mission is becoming the academic, research, and service resource center for Guam and the greater Micronesian areas.

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.

School requirements presently meet teacher certification requirements for Guam, the Commonwealth of the Northern Marianas Islands, the Federated States of Micronesia, the Republic of the Marshalls, the Republic of Palau and many U.S. states. Students are responsible for becoming familiar with certification requirements of the geographic areas in which they plan to seek employment. Students need to be aware that certification requirements change and that it is the student's responsibility to be aware of changing standards for certification.

Programs to prepare candidates for teacher certification in elementary, secondary, second language elementary, special education provided by the University of Guam School of Education are accepted by the Guam Commission on Educator Certification (GCEC).

### **DEGREE PROGRAMS**

Bachelor of Arts, Education (B.A.Ed.)

Master of Arts, Counseling (M.A.)

Master of Education (M.Ed)

Master of Arts in Teaching (MAT)

Undergraduate degree programs of the School of Education are grounded in a model that emphasizes the foundation of excellence in preparing educators to become a/an: knowledgeable scholar, effective communicator, and reflective decision-maker.

Our program learning outcomes are centered on the Interstate Teacher Assessment and Support Consortium's (InTASC's) ten standards. The following standards guide us toward outcomes in our teacher preparation programs.

**Program Learning Outcomes (InTASC standards)**

Standard #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.

Standard #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.

Standard #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.

Standard #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.

Standard #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.

Standard #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.

Standard #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.

Standard #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.

Standard #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.

Standard #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.

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## ADMISSION AND OTHER PROGRAM REQUIREMENTS

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.

Admission Deadlines: October 01 for Spring admissions and March 01 for Fall admissions

Those with a bachelor's degree or higher seeking certification only must also be admitted into the School of Education.

### REQUIREMENTS FOR ADMISSION OF EDUCATION STUDENTS

Student must submit an application for admission to the School of Education that includes a LiveText portfolio demonstrating that he/she has the knowledge, skills and dispositions 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 54 semester hours including the following courses: **Major Requirements:** ED110, ED201, and ED271.

**General Education Requirements:** EN110, EN111, CO210, one science course, MA110 or higher, MA151, PY101. ED 265 is encouraged as part of the general education coursework.

- A cumulative grade point average (GPA) of 2.7 or higher.
- Three School of Education Disposition Rubrics to be completed by two 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, Gen Ed courses, content major courses, and university or community service. At least eight 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.

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 -Subject Assessment and
- Praxis II Principles of Learning and Teaching: K-6, or Praxis II Principles of Learning and Teaching: 7-12

### 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, Admissions

& Records. Holders of an official Individual Degree Plan (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, School of Education.

### **ADVISEMENT**

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; or those who are on an Individualized Degree Plan (IDP). All students should read this catalog carefully as it is the authority on degree requirements.

Students who have declared Education as their major are required to seek academic advisement through the School of Education.

All students working toward a Bachelor of Arts in Education degree must complete the General Education Program as required by the University. Students seeking degrees in the School of Education should familiarize themselves with the General Education regulations in this catalog.

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).

### **GRADING SYSTEM**

The letter grade system is used in all courses except for ED192 which is graded Pass (P) or Fail (F). Grading for ED292, 392, ED492 and ED498 will follow the letter grade system.

Required Grade Point Average (GPA) for School of Education Graduates: All Undergraduate School of Education majors must have an overall cumulative grade point average of 2.7 in order to graduate with a Bachelor of Arts in Education degree.

Grade Requirement for Education Courses for SOE Majors: 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.

## **ADMINISTRATION**

The School of Education Administration Office is located on the first floor of the School of Education Building, Suite 119. Correspondence with the School of Education can be directed to:

Dr. Alicia Aguon, Dean  
School of Education  
University of Guam UOG Station Mangilao, Guam 96923  
Phone: 735-2444/2476 Fax: 734-3651  
Email: aliciaaguon@triton.uog.edu

### **BACHELOR OF ARTS IN EDUCATION DEGREE PROGRAM**

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.

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### **Residency Requirement for Student Teaching/Internship:**

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 students
2. Take a minimum of 12 approved\* education credits 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.
5. Comply with the Field Experience requirements prior to placement  
\*Approved by program and dean.

### **THE ACADEMIC AFFAIRS COMMITTEE OF THE SCHOOL OF EDUCATION**

The academic quality of program offerings within the School of Education is monitored by the Academic Affairs Committee (AAC). 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 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.

### **PROGRAM DESCRIPTIONS AND REQUIREMENTS**

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. 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. 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.

The student teaching assignment (ED492) 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.



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All students must take two Praxis tests and pass with a score as set by the Guam Commission for Educator's Certification (GCEC):

1. Praxis -Subject Assessment and
2. Praxis Principles of Learning and Teaching: K-6, or  
Praxis II Principles of Learning and Teaching: 7-12.

Scores 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.

### **THE SCHOOL OF EDUCATION CONCEPTUAL FRAMEWORK**

The School of Education believes that an effective educator must possess the knowledge, skills and dispositions 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 to become knowledgeable scholars, effective communicators and reflective decision- makers.

### **STUDENT LEARNING OUTCOMES:**

Students successfully completing their degree program, and become 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, and
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

## **SCHOOL OF EDUCATION DEGREES**

### **BA in Elementary Education(B.A.Ed)**

Specialization available in

- \*Early Childhood Education

### **BA in Secondary Education (B.A.Ed)**

Double Major available

Specializations available in

- \*Math
- \*General Science
- \*Physical Education/Health
- \*Career & Technical Education
- \* Fine Arts

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**Additional Specializations for either major**

\*Special Education

\*English as a Second Language

## **MAJOR IN ELEMENTARY EDUCATION**

This program provides pre-service and in-service courses/programs at the undergraduate level. It provides the region with teachers who are able to teach at the elementary level in a variety of cultural environments.

The program of studies for the major in Elementary Education is designed for students who wish to enter the educational profession as teachers in education programs for K-5 graders.

**General Education Requirements (55 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalogue. **Required support courses:** The following are requirements for this major that fulfill certain General Education Requirements: EN213; MA115; MA151; BI100; BI100L; NS101; NS101L; HI121; GE101; PS202; ED265; AL185.

**Content Area Required Courses (12 Credits):** EN317; ED319; HI201; a math course approved by School of Education.

**Professional Education Requirements (57 credit hours):**

**Foundations (21 credits):** ED110 ED201; ED271; ED300; ED334, ED446; ED489;

**Method Courses (21 credits):** ED350; ED351; ED353; ED354; ED355; ED356; and ED363. Prior to enrollment in a methods class, all General Education and Content Area classes related to that methods course must be completed.

**Practicum Experience (15 credits):** ED392; ED492.

## **MAJOR IN SECONDARY EDUCATION**

This program provides pre-service and in-service courses/programs at the undergraduate and graduate levels. It provides the region with teachers who are able to teach at the secondary level in a variety of cultural environments.

The program in Secondary Education is designed to prepare students for teaching careers in middle and senior high schools. Students seeking a degree in secondary education receive extensive training in professional education as well as preparation in a subject area(s). Students shall demonstrate their ability to teach in their respective teaching area(s). The student's program must be approved by the advisor of the Secondary Education Program.

**General Education Requirements (47 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalog.

### **SECONDARY EDUCATION OPTION B MATHEMATICS**

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – MA161A; 2) DF or Major Exploration – MA161B; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – ANY

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – ED492

### **SECONDARY EDUCATION OPTION B GENERAL SCIENCE**

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – CH103/L; 2) DF or Major Exploration – BI100/L; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – ANY

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – ED492

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### **SECONDARY EDUCATION OPTION B FINE ARTS (MUSIC)**

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – FA231; 2) DF or Major Exploration – MU104, MU105, OR MU106; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – ANY

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – ED492

### **SECONDARY EDUCATION OPTION B FINE ARTS (ART)**

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – FA231; 2) DF or Major Exploration – AR103; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – ANY

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – ED492

### **SECONDARY EDUCATION OPTION B PHYSICAL EDUCATION**

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – BI124/L; 2) DF or Major Exploration – AL185; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – HS200

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – ED492

**Professional Education Requirements (36 credit hours):** ED110, 201, 300, 446, 462, 463, 489, 492 plus a methods course based on or related to the major or area of specialty

**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. Two (2) options are available to the student majoring in Secondary Education and English as a Second Language. Students select the option that best relates to their future plans and previous experience.

#### **Option A. Subject Major**

Students selecting this option must complete 30-58 semester hours in a subject area as specified by another school of the University. This option stresses in-depth preparation in one subject area and leads to certification in one subject area. If choosing this area, the required credit hours will exceed the 124 credit hour requirement. **The student’s program must be approved by the advisor of the Secondary Education Program.**

#### **Option B. One Teaching Area of Specialty**

Students selecting this option must take a minimum of 30 specified hours in one teaching area. Students receive preparation in a subject area beyond the minimum required for certification. More subject area choices are available to students selecting this option than in Option A. Students should consult the Secondary Education Program description contained under the content area of their choice. This option is provided in order to meet the 124 credit hour requirement. Students must take the appropriate Subject Assessment Test prior to student teaching. At present, the following nine programs make up the Secondary Option "B" Programs available:

1. **Math Required Courses** (32 credit hours): MA203, 204, 205, 302,341, 351, 385, 411,421,

2. **General Science Required Courses**

The student shall select three (3) complete sequences from the following:

Chemistry (8 credits): CH102-102L and CH103-103L\*

Physics (10 credits): PH251\*\*, PH252, PH210 & PH211

Geology (8- 11 credits): NS110-110L and NS112-112L OR NS101 / 101L and GE101 and GE203/203L

Biology (9 credits): BI157-157L and BI158-158L and 1 credit Lab Teaching & Assisting

**Prerequisites:** \*Proficiency at MA161a level or concurrent enrollment. \*\*MA203 or concurrent enrollment.

**Electives (16 credit hours):** The student may select a minimum of 16 upper division credit hours from the CH series, PH series, NS series or 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).

### 3. Physical Education/School Health (6-12) Program

The program of study in physical education and school health is designed to prepare teacher candidates at the undergraduate level for entry into the field of physical education and health for grades 6-12. Teacher candidates are prepared for teaching in local, regional, U.S. mainland, Department of Defense and other schools where physical education and health are taught. Students will be able to demonstrate the ability to meet the NASPE (2014) Standards.

**General Education Requirements (47 credit hours):** Each student must fulfill the General Education requirements as listed in the Academic Rules and Regulations section of this catalogue. The following are requirements for this major that fulfill certain General Education Requirements: MA151, PY101; HI211 or ED265; BI124, BI124L, AL185, HS200. A grade of "C" or better is required in these courses.

**Professional Education Requirements (30 credit hours):** ED110; ED201; ED300; ED462; ED463; ED489; ED492. A grade of "C" or better is required in these courses.

**Recommended Elective:** PE109, ED271, OR ED451

### Specialization Requirements (47 credit hours)

PE117; PE118; PE124; PE126; PE127; PE212; PE214; PE220; PE305; PE312; HS/PE322; HS/ PE324; PE352; PE353; SW/HP355; and PE454/G. A grade of "C" or better must be earned in all requirements for the major. A minimum GPA in the content area of 2.75 and 2.7 overall is required for graduation.

4. **Fine Arts (124 credit hours)** Students should use the requirements for the Art Track Minor or Music Track Minor as their guide when selecting required courses. The total number of Art or Music credits is 36 and the elective courses should help prepare the student for the required Praxis Subject Assessments. Please see program advisor.

**Required: (36 credit hours in Music or Art).** 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.

### 5. Career and Technical Education with Emphasis Areas:

This Option B is to prepare students for Career and Technical teaching careers in senior high schools and higher education. Students seeking a degree in Secondary Education with an Option B in a Career and Technical Specialty receive extensive preparation in professional education as well as training in their specialty. Candidates will transfer thirty (30) credits of **approved skill course credits** to the University of Guam (from accredited institutions) and will complete the University and School of Education requirements in the areas of General Education, Professional Education and Field Requirements for the Bachelor's

Degree. All programs must be approved by the program coordinator. (Note: 40 credit hours of upper division required- will need upper division general education in order to meet this requirement).

### **Education Specializations**

Education majors may also add a SPECIALIZATION. The Specialization courses are designed to provide students with a fundamental understanding of a specific group of learners. The Specialization does lead to certification in the area. It also satisfies some of the UOG pre-requisite requirements toward admission into the Masters of Education degree in that area.

Areas of Specialization include:

#### **Specialization in Early Childhood Education**

This Specialization FOR ELEMENTARY MAJORS ONLY, provides pre-service and in-service courses at the undergraduate level. It provides the region with teachers who are especially able to teach *preschool and primary grade* children (PreK-2) in a variety of cultural environments.

**Requirements** (15 credit hours): ED330, ED331, ED333, ED334, ED336.

#### **Specialization in English as a Second Language (ESL)**

The Specialization in ESL is designed for pre-service and in-service teachers who wish to teach English as a Second Language (ESL) at the elementary or secondary level. The courses are designed to prepare students in the specialization to work with second language learners, both in mainstream classes and in pull-out ESL courses. The program includes methods and strategies for promoting success in English as well as content courses for K-12 learners. Issues such as bilingualism, second language acquisition, needs of non-native English speaking children, and culture will be addressed throughout the five specialization courses. Students will be expected to become familiar with the rules of English grammar. This specialization also serves as an entry-way for students hoping to pursue careers teaching ESL abroad.

**Requirements** (15 credit hours): ED280, ED385, ED480, ED481, ED482

#### **Specialization in Special Education**

The 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. This program is generic and provides basic teaching knowledge and skills applicable to individuals with disabilities. The broad instructional focus takes a life span approach to assisting the exceptional individual and family. Primary emphasis is meeting the needs of students with disabilities in inclusive classroom settings with secondary emphasis on meeting the needs of individuals with moderate to severe disabilities.

**Requirements** (15 credit hours): ED310, ED314, ED442, ED446 and ED457.



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## SCHOOL OF ENGINEERING



### **MISSION**

The mission of the School of Engineering is to provide outstanding undergraduate instruction in the fundamentals of engineering and those specialties of engineering that are most important to Guam and other island communities of the West Pacific region. The School of Engineering is committed to producing graduates of the highest professional caliber, with not only broad knowledge and skills, but solid professional and personal integrity. To complement its teaching mission, the School of Engineering fosters faculty and student engagement in community service and applied research on problems for which engineering approaches help provide solutions.

### **MAJOR OBJECTIVES**

The School of Engineering is working to establish a four-year accredited engineering degree program at UOG, which will offer a four-year Bachelor of Science Degree in Civil and Environmental Engineering (B.S.E.). The school will have faculty with expertise in each of the basic civil and environmental engineering fields, and the program will be accredited by the Accreditation Board for Engineering and Technology (ABET). A new building will house the new program, providing dedicated space for classrooms and laboratories, and office space for faculty and students.

### **HISTORY OF THE SCHOOL**

The School 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 October 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 University Of Guam Board Of Regents formally established the new School of Engineering.

### **ADMINISTRATION**

The Dean of the School of Engineering serves to direct and supervise the teaching, research, and service activities of the School of Engineering. Questions may be directed to:

Dr. Shahram Khosrowpanah, Interim Dean  
School of Engineering  
303 University Drive, UOG Station  
Mangilao, Guam 96923  
Tel: 735-2694  
Email : khosrow@triton.uog.edu

## **ADVISEMENT**

The School of Engineering faculty is responsible for the academic advisement of the students who have that declared as a major in the engineering program. Students may contact the School of Engineering at 735-2694 for available faculty for advisement.

**\*SEE - STUDENT ADVISEMENT SHEET GENERAL EDUCATION REQUIREMENTS** and include under Direction Building (DB) – 9-11 credits – 1) CF, DF or UU as Pre-req (Can be within a declared Major) – ES201; 2) DF or Major Exploration – CH103/L; 3) DF Exploration outside major requirement (May apply to a Minor or 2<sup>nd</sup> Major) – PS202

**Tier III – Capstone Experience – Major Capstone Experience:** 1) Major Capstone Experience – CO491

## **ADMISSION REQUIREMENTS**

Students who are planning to enroll in the program should be familiar with the general requirements and procedures for admission to the University ([www.uog.edu/admissions/undergraduate-students](http://www.uog.edu/admissions/undergraduate-students)).

## **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 may contact the Mathematics Science Office at 735-2825.

## **STUDENT ASSISTANSHIPS & OPPORTUNITIES**

Engineering students have opportunities to work as research assistants or interns at organizations such as UOG's Water and Environmental Research Institute of the Western Pacific (WERI), Guam Waterworks Authority, Guam Power Authority, and Government of Guam agencies such as the Department of Public Works or Guam Environmental Protection Agency. There are also opportunities for internships and part-time work with private consulting firms.

## **STUDENT ORGANIZATION**

Engineering students also have opportunities for professional contact through organizations such as the Society of American Military Engineers (SAME), for which the School of Engineering hosts a student chapter. For initial information, contact the Interim Dean.

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## SCHOOL OF NURSING AND HEALTH SCIENCES



### MISSION

The School of Nursing and Health Sciences (SNHS) 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 Nursing and Health Sciences:

- 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.

### DEGREE PROGRAMS

Bachelor of Science, Health Science Bachelor of Science, Nursing Bachelor of Social Work

### ADVISEMENT

Academic advisement is provided to assist students throughout their educational career as they prepare to become competent entry-level professionals. The faculty advisor monitors student progress, provides consultation in planning a course of study, and assists in problem solving with regard to classroom, clinical practice, and field course work. The advisor serves as an “anchor person” with whom students may confer regarding any program-related problem or question.

The Nursing AASC (Admissions and 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 HS100 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.

Each Health Science student is assigned an advisor, who should be consulted throughout the student's enrollment.

### CONTACTS

The Administrative office is located in Room 100 of the Health Sciences Building, Phone: (671) 735-2650/2, Fax: (671) 734-1203. All correspondence may be sent to the School of Nursing and Health Sciences, University of Guam, UOG Station, Mangilao, Guam 96923.

Inquiries or correspondence regarding the Nursing and Health Science Programs may be directed to:

Dr. Margaret Hattori-Uchima, Dean  
School of Nursing and Health Science  
University of Guam  
UOG Station Mangilao, Guam 96923  
Phone: (671) 735-2650/2/3  
Email: muchima@triton.uog.edu

Correspondence with the program's professional accreditation agency can be directed to:

Accreditation Commission for Education in Nursing, Inc. (ACEN)  
3343 Peachtree Rd. NE, Suite 850  
Atlanta, GA 30326  
Phone 400-975-5000  
Web site: [www.acenursing.org](http://www.acenursing.org)

### NURSING ADMISSION REQUIREMENTS

There are two (2) entrance levels in the baccalaureate degree nursing programs: Pre-nursing and Nursing levels. 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 nursing necessary documents, (AASC) 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 (PRNU) major are those who have not yet completed prerequisite courses and English competency requirements (California Reading Test - CRT) for enrollment in NU202B. Pre-nursing students who are approaching the Nursing Level enrollment must submit a letter of request for admission to the Nursing (NURS) major. The letter with accompanying academic information is submitted to the nursing AASC. Refer to the admission policy and procedures in the Nursing Program Manual.

**Admission to Nursing Level.** Students in the Nursing (NURS) major are those who have completed prerequisite courses and met admissions criteria including a GPA > 2.7 and are ready to enroll in NU202B 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.

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### **NURSING PROGRAM ADVISEMENT:**

The Nursing AASC (Admissions and 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 to the SNHS Administrative Office HSB100 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.

## **BACHELOR OF SCIENCE IN NURSING DEGREE PROGRAM**

### **PHILOSOPHY**

The philosophy of the nursing program supports the mission and goals of the School of Nursing and Health Sciences 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 towards 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.*

### **BSN 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 non-nurses, licensed nurses, and graduate nurses undergraduate studies in nursing; 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 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.

The BSN program has 2 tracks: Basic or Generic BSN and Second Step BSN.

### **GENERIC BSN (GBSN) 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 degree in Nursing with eligibility to take the national examination for licensure as a registered nurse.

1. Graduation from high school or possession of a General Education Diploma (GED) equivalent or a practical nursing program, with a cumulative grade point average (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 course work 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. No misdemeanor or felony conviction.

**Required Support Courses for the Basic (Generic) BSN Program:** EN110, EN111, MA151, BI124-124L, BI125-125L, BI225- 225L, CH100-100L, CH101-101L, AN101, PY101, CO210, ED201, AL185.

**Required Nursing Courses:** NU200B, NU202B, NU203B, NU204B, NU205B, NU207B, NU214, NU302B, NU303B, NU304B, NU305B, NU308, NU309, NU310, NU403, NU412, NU415, NU416, NU418, NU419, NU420.

**Optional (elective) nursing courses:** NU/AN/SO/SW344, NU112, NU212, and Transition courses.

University GEs	49 credits
Required Support Courses	11 credits
Required Nursing Courses	63 credits
Advisor Approved Elective	1 credit
<b>Total</b>	<b>124 credits</b>

### **SECOND-STEP BSN (SSBSN) TRACK**

The Second-Step 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.

#### **Admission to the Second-Step BSN Track:**

Prior to admission to the Second Step BSN Program, the student must meet the following:

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. Take the California Reading Test (CRT) and achieve 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 (NLN) Acceleration Challenge Exam (ACE) tests for 200 or 300 level nursing theoretical courses be considered for credit transfer from their ADN program.

**Required Support Courses for the SSBSN track:** EN110, EN111, MA151, BI124-124L, BI125-125L, BI225-225L, CH100-100L, CH101-101L, AN101, PY101, CO210, AL185, ED201.

**Required Nursing Courses:** NU300S, NU306S, NU307S, NU308, NU309, NU310, NU324S, NU325S, NU403, NU412, NU415, NU416, NU418, NU419, NU420

**Optional Nursing Courses:** NU112, NU207, NU212, NU214, NU/AN/SO/SW344

**Special Projects:** Transition courses.

University GEs	49 credits
Required Support Courses	11 credits
Required Nursing & Transfer	64 credits
Total	124 credits

### 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:

- NU202: Fundamentals of Nursing (NLN Basic Nursing)
- NU207: Pharmacology in Nursing (NLN Fundamentals of Drug Therapy)
- NU302: Adult Health Nursing (NLN Tests for Adult Health Nursing)
- NU304: Family Health Nursing (NLN Test for Maternal Child Nursing)
- 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 percent 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 on-line 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.

### CHARACTERISTICS OF THE GRADUATE (Student 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 ten 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.

### **PROGRESSION IN THE NURSING MAJOR**

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. 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, Readmission, and Dismissal, and Student Rights and Responsibilities.

### **TRANSPORTATION REQUIREMENTS**

Students are responsible for reliable transportation so that attendance requirements for class and clinical work can be met.

### **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.

### **BACHELOR OF SCIENCE IN HEALTH SCIENCES**

The goal of this program is to prepare students for graduate studies in health sciences, or for health professions where they will be involved in the identification, evaluation, treatment, and prevention of diseases and injuries; educating the public on prevention and self-management for healthy lifestyles; and designing, implementing, and evaluating programs necessary for promoting general wellness.

## HEALTH SCIENCE PROGRAM ADVISEMENT:

Each Health Science student is assigned an advisor, who should be consulted throughout the student's enrollment.

## STUDENT LEARNING OUTCOMES

Students in the health science degree programs will demonstrate the following outcomes:

1. Behavior change skills and health promotion competencies
2. The ability to critically analyze information relative to health and disease/injury prevention
3. The ability to understand and apply scientific principles and methods
4. Written and verbal capabilities
5. The ability to work cooperatively in groups
6. The ability to problem seek and solve.

## CONCENTRATION IN 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.

### Core Courses:

BI124/124L	Anatomy & Physiology I	4 credits
BI125/125L	Anatomy & Physiology II	4 credits
AL185	Human Nutrition	3 credits
HS200	Health & Wellness	3 credits
HS216	Intro to Public Health	3 credits
HS405/G	Epidemiology	3 credits
HS416	Research in Nursing and Health Sciences	3 credits
HS498	Internship	6 credits
MA161a	College Algebra or higher & Trigonometry I	3 credits
MA387	Statistics for Sciences	3 credits
MA387L	Statistics for Sciences Laboratory	1 credits
NU112	Medical Terminology	2 credits
NU344	Aging: Myths & Realities	<u>3 credits</u>

### Concentration in Pre-Physical Therapy Requirements:

BI157/157L	Prin. of Biology w/Lab I	4 credits
BI158/158L	Prin. of Biology w/Lab II	4 credits
CH102/102L	Gen Chemistry w/Lab I	4 credits
CH103/103L	Gen Chemistry w/Lab II	4 credits
HS322	Kinesiology	3 credits
HS324	Exercise Physiology	3 credits
HS350	Test & Measurement in Exercise Science	3 credits
HS451	Research & Report Writing	3 credits
MA203	Calculus	5 credits
PH210	Intro to Physics Lab I	1 credit
PH251	University Physics I	4 credits
PH211	Intro to Physics Lab II	1 credit
PH252	University Physics II	4 credits

PY101	General Psychology	3 credits
PY420	Abnormal Psychology	3 credits
At least 6 credits of HS491 or upper division advisor approved BI/CH/PY/SO		<u>6 credits</u>
Required GEs:		28 credits
Core:		41 credits
Concentration:		<u>55 credits</u>
<b>Grand Total Credits:</b>		<b>124 credits</b>

### CONCENTRATION IN EXERCISE SCIENCE AND HEALTH PROMOTION

The professional concentration in Exercise Science and Health Promotion provides preparation for students desiring employment in the growing health promotion field and/or graduate studies in exercise science, health education, and related fields. The curriculum places an emphasis on exercise, nutrition, and healthy lifestyle. Students may use this concentration to prepare for certification as a Certified Personal Trainer or Clinical Exercise Specialist through the American College of Sports Medicine (ACSM). 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.

#### Core Courses:

BI124/124L	Anatomy & Physiology I	4 credits
BI125/125L	Anatomy & Physiology II	4 credits
AL185	Human Nutrition	3 credits
HS200	Health & Wellness	3 credits
HS216	Intro to Public Health	3 credits
HS405/G	Epidemiology	3 credits
HS416	Research in Nursing and Health Sciences	3 credits
HS498	Internship	6 credits
MA161a	College Algebra or higher & Trigonometry I	3 credits
MA387	Statistics for Sciences	3 credits
MA387L	Statistics for Sciences Laboratory	1 credits
NU112	Medical Terminology	2 credits
NU344	Aging: Myths & Realities	3 credits

#### Concentration in Exercise Science and Health Promotion Requirements:

AL330	Nutrition throughout the Lifespan	3 credits
AL335	Nutrition for Health Fitness & Sports	3 credits
ED201	Human Growth and Development	3 credits
HS104	Conditioning & Fitness	1 credit
HS105	Strength Training	1 credit
HS106	Aerobics	1 credit
HS210	Human Biology & Behavior	3 credits
HS322	Kinesiology	3 credits
HS324	Exercise Physiology	3 credits
HS350	Test & Measurement in Exercise Science	3 credits
HS355	Human Sexuality	3 credits

HS451	Research and Report Writing	3 credits
HS491	Special Topics in Health Sciences	6 credits
PA206	Public Health & Disease Mgmt.	3 credits
PY101	General Psychology	3 credits*
At least 9 credits of advisor approved HS/BI/CH/CF/PE/PH/PY/SO		<u>9 credits</u>
Required GEs:		32 credits
Core:		41 credits
Concentration:		<u>51 credits</u>
<b>Grand Total:</b>		<b>124 credits</b>

### CONCENTRATION IN PUBLIC HEALTH

The professional concentration in Public Health is designed to provide students the opportunity to work as public health professionals, and/or entry into a Master of Public Health degree program. The curriculum offers courses related to the five core areas of public health (epidemiology, biostatistics, environmental health, health policy management, and social and behavioral sciences). Students specializing in this concentration may select one of four options: Minor in Health Services Administration, Minor in Nutrition, Emphasis in Social and Behavioral Sciences, or 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 and Social Services, the Guam Environmental Protection Agency, or various private groups that participate in services related to public health.

#### Core Courses:

BII24/124L	Anatomy & Physiology I	4 credits
BII25/125L	Anatomy & Physiology II	4 credits
AL185	Human Nutrition	3 credits
HS200	Health & Wellness	3 credits
HS216	Intro to Public Health	3 credits
HS405/G	Epidemiology	3 credits
HS416	Research in Nursing and Health Sciences	3 credits
HS498	Internship	6 credits
MA161a	or higher College Algebra & Trigonometry I	3 credits
MA387	Statistics for Sciences	3 credits
MA387L	Statistics for Sciences Laboratory	1 credits
NU112	Medical Terminology	2 credits
NU344	Aging: Myths & Realities	<u>3 credits</u>

#### Concentration in Public Health Requirements:

BII00/100L	Environmental Biology	4 credits
BI225/225L	Basic Microbiology w/Lab	4 credits
AL389	Extension Programs & Planning	3 credits
CH100/L	Intro to Inorganic Or higher Chemistry	4 credits
CH101/L	Intro to Organic Or higher Chemistry	4 credits
HS210	Human Biology & Behavior	3 credits
HS355	Human Sexuality	3 credits
HS451	Research & Report Writing	3 credits
HS491	Current Topics in Health Sciences	6 credits
PA206	Public Health & Disease Management	3 credits
SO101	Introduction to Sociology	3 credits*



**Plus, any one of the four options.**

*All students must meet with an advisor to discuss the appropriate courses for each option.*

<b>Option 1:</b> Minor in Health Services Admin	15 credits
<b>Option 2:</b> Minor in Nutrition	16 credits
<b>Option 3:</b> Social/Behavioral Emphasis	15 credits minimum
<b>Option 4:</b> Environmental Health Emphasis	15 credits minimum

Required GEs:	25 credits
Core:	41 credits
Concentration:	55-56 credits
Advisor approved elective	<u>3 credits</u>
<b>Grand Total:</b>	<b>124-125 credits</b>

### **BACHELOR OF SOCIAL WORK DEGREE PROGRAM**

A four-year professional educational program in social work leading to a Bachelor of Social Work (BSW) degree is offered. The BSW is recognized by the National Association of Social Workers as the entry-level degree for the profession. The BSW Program is accredited by the National Council on Social Work Education.

### **SOCIAL WORK PROGRAM MISSION AND OUTCOMES**

Through the teaching of social work knowledge and practice, the Bachelor of Social Work Program prepares individuals to develop a global perspective of social welfare and social development, to actualize the concept of social caring, to demonstrate belief in the intrinsic value, dignity and worth of all humankind, to serve those in need, and to act with conviction in advancing the principle of social justice and human rights within the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.

The outcomes of the Bachelor of Social Work Program are as follows:

1. Preparation of students to understand, identify with and incorporate into practice the professional values and ethics of social work;
2. Preparation of students for beginning generalist professional practice with individuals, kinship systems, groups, organizations, and communities;
3. Preparation of students for practice with diverse and at-risk populations;
4. Preparation of students as beginning social work generalists who link indigenous knowledge, social service practice wisdom, and social research;
5. Preparation of students for lifelong learning and critical thinking through an educational process which is grounded in a liberal arts perspective and professional social work foundations;
6. Enable students to integrate knowledge, skills, and values into generalist social work practice;
7. Preparation of students for graduate education in social work.

### **ADMISSION REQUIREMENTS FOR THE BSW PROGRAM**

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 EN111 Writing for Research
- complete Mathematics General Education requirements
- complete SO101 Introduction to Sociology

- Complete PY101 General Psychology
- Complete BA110 Economics
- complete SW201 Social Welfare and Development: Global Challenges with a grade of “C” or better
- have a cumulative G.P.A. of 2.5 or higher
- submit a completed application form and related materials, including two letters of reference.

Application for advancement to BSW student status are made at the end of the Spring Semester for the students sophomore year. Upon receipt of all necessary documents, the social work faculty reviews the application. The division chair of the program notifies applicants by letter of the faculty’s decisions regarding admissions. Students must be advanced to BSW student status in order to take SW330.

## **PROGRESSION IN THE BSW PROGRAM**

In order to remain in good standing in the BSW program, students must maintain a grade of C or better in all required social work courses and a minimum of 2.5 cumulative GPA.

## **ADVISEMENT**

Academic advisement is provided to assist students throughout their educational careers as they become competent entry-level social workers. The advisor monitors student progress, provides consultation in planning a course of study, and assist in problem solving with regard to both classroom and field course work. The advisor also facilitates communication between students and their classroom and field instructors. The faculty advisor serves as an “anchor person” with whom students may confer regarding any program-related problem or question. In keeping with the goals of the program and the spirit of social work, the advising relationship among students, faculty, and administrators is one of collaboration. It is recommended that all pre- BSW students meet with the Division Chair for advisement before registering for classes each semester. Once a student is admitted into the social work program, s/he is assigned to an advisor.

## **SOCIAL WORK MAJOR REQUIREMENTS**

The BSW program rest on general educational foundation with a minimum of 15 credit hours in the social sciences and economics; and 3 credit hours in mathematics/statistics. Required social science courses are PY101, SO101, and BA 110. Two elective upper division social science courses (300- level or above) may be drawn from the field of anthropology, economics, political science, psychology, sociology, women and gender studies, and Chamorro studies; or as approved by social work faculty advisor. The required mathematics/statistics course is MA151. **Note:** These courses may count toward general education requirements and toward the major in Chamorro studies.

The BSW program requires 50 credit hours of social work courses. They include 36 credit hours of required classroom courses (SW201, 313, 330, 331, 332, 333, 345, 350,351, 406, 408, 410), 8 credit hours of fieldwork (SW485a and SW485b) and 6 elective credit hours selected from SW344, SW355, SW400 (may be taken more than once), SW480, 490, CM 340 and CM412.

## **SUMMARY OF REQUIREMENTS FOR GRADUATION**

General Education Requirements 33

Social Work Credits 50

Social Sciences Credits 15

Statistics 3

Note: Social sciences and statistic courses that are required by the BSW Program may also count toward General Education and Chamorro Studies requirements. The UOG required minimum number of credit hours for graduation is 124.

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## ROBERT F. KENNEDY MEMORIAL LIBRARY



### MISSION

The Territorial College of Guam was founded in 1952; in June of the same year the Territorial College of Guam Library was established in a World War II military Quonset hut in Mongmong. Curriculum of the College was supported by the library's initial collection of 2000 volumes consisted 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.

Administered by the RFK Memorial Library Director, the University of Guam RFK Memorial Library is an academic component and the central library faculty of the University. At present, it houses over 98,059 print titles and 124,977 print holdings; 26,902 microfilm reels and 899,748 microfiche units; 1527 print serial titles, 187,897 print serial issues; and 5289 multimedia items. In January 2009, a new Integrated Library System (ILS) was installed, and the new 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 and licensed to the Library provide wide-ranged subjects of full-text, peer-reviewed articles. New acquisitions and databases are selected to enhance and support the academic quality of the university's classes, 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 (IMLS) for the "Information Literacy for Future Island Leaders" Project. In August 2010, the Graduate Research Center (GRC) opened for service on the 2<sup>nd</sup> floor of the UOG/RFK Memorial Library. Services currently available are: large screen computers with Internet and MS 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 University Of Guam RFK Memorial Library has been a designated 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% U.S. Government Publications, many in electronic and Microform formats. The newly added Documents Without Shelves program provides 24/7 access to over 55,000 US Federal Government documents in PDF full-text via the Library's online catalog OCEAN.

Other special collections at the RFK Memorial Library include the Mobil East Asian Collection, the Thesis and Special Projects Collection, the Micronesian Resource File (MRF) 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, Korean and China

including Taiwan and Hong Kong. Mobil Oil Guam established this collection with generous initial and continuous support.

The Instructional Media Services within the Library provides student & faculty needs in audio-video duplication and video projects.

The University Of Guam RFK Memorial Library provides Interlibrary Loan (ILL) services through OCLC, DOCLINE and other means to UOG students, faculty, staff, administrators, and to other library patron in Guam, Micronesia and the Western Pacific Region. 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 (NN/LM PSR), 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, Maryland and carried out through a nationwide network of health science libraries and information centers.

The University Of Guam RFK Memorial Library is open six days a week during the regular semesters. Hours are posted on the front entrance, circulation Service Desk, Reference Service Desk, and other locations within the building. Hours vary during the interim and summer sessions. For additional information please visit library's homepage at [www.uog.edu/library](http://www.uog.edu/library), or contact the Circulation Desk (671) 735-2311, the Reference Desk (671) 735-2341, or the Administration Office (671) 735-2331/2/3.

### **MINOR AND CERTIFICATION IN LIBRARY SCIENCE**

Courses in Library Science (LS) are offered periodically. LS 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 for current requirements. ([www.gcec.guam.gov](http://www.gcec.guam.gov)).

**Required Core Courses:** (15 credits): LS310, LS311, LS312, LS315, LS/ED319 (required for Elementary Education majors) or LS320 (recommended for Secondary Education majors).

**Electives:** LS314 (strongly recommended for Elementary Education majors), LS/ED451, LS/ED452, and LS453.

### **CONTACT**

The Office of the Director for Learning Resources is located on the first floor, Robert Kennedy Memorial Library building. Correspondence with the Library Science Program can be directed to:

Monique Carriveau Storie, Interim Director  
Learning Resources,  
University of Guam, 303 University Drive,  
Mangilao, Guam 96923  
Tel: 735-2331/2 Email: [mstorie@uguam.uog.edu](mailto:mstorie@uguam.uog.edu)

## COURSE LISTINGS



### COURSE NUMBERING SYSTEM

#### General Class-Level Designations

0-099	NON-DEGREE UNIT
100-199	FRESHMAN LEVEL
200-299	SOPHOMORE LEVEL
300-399	JUNIOR LEVEL
400-499	SENIOR LEVEL
500-699	GRADUATE LEVEL

*800-level courses.* The 800 series of courses are post baccalaureate, professional development courses for teachers. Admission requirements are

(1) proof of a bachelor's degree and (2) proof of present employment as a teacher. No undergraduate may take an 800 course. Credit for an 800 course is not applicable to any degree. These courses may not be cross-listed with any other course. They shall appear on a separate transcript labeled "For Professional Development Only."

### SPECIAL COURSE DESIGNATIONS

**-90 Series: Special Projects.** Courses for individual students, including problems, special studies and individual research.

**-91 Series: Seminar Courses.** Courses in which the burden of research and preparation is on the students, and class activity is discussion-oriented.

**-92 Series: Practicum Courses.** Guided work experience supervised by a qualified professor or project director to whom the student reports at regular intervals.

**-93 Series: Workshops.** Courses administered by a group of specialists and dealing with various applied aspects of a discipline.

**-94 Series: Special Studies.** Special-category courses usually designed to be offered only once (e.g., a course by a visiting expert; a course designed for a specific group of students).

**-95 Series: Thesis.** Independent research culminating in a major research paper or project (e.g., Senior Thesis, Master's Thesis).

**-98 Series: Internship.** A trainee, residency, or intern program in which the student works in a technical or professional area under the supervision of an expert in the field.

**-99 Series: Independent Reading.** A course of directed readings in a designated field or topic.

### CONFERENCE AND SPECIAL PROJECT COURSES

**Conference Courses** A person who has been accepted for admission to the University of Guam may register for course by conference upon special arrangements with the appropriate college/unit. A conference course is a regular catalog course that is **not** offered in the current semester. A conference course **will not be approved** if the course already appears on the regular schedule of classes.

Enrollment in these courses requires the advisors, professor, division/department chairs, and Dean/Directors 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 summer terms.*** After obtaining this approval, the formal registration and payment for course by conference shall take place at the Professional and International Programs Office in the 2<sup>nd</sup> floor of the MARC/Information Technology Resource Center/ Computer Center building. All other rules and regulations apply.

**NOTE:** If the Course by Conference is to be used for graduation requirements, grades must be submitted by the professor by the graduating student deadline. In addition, the required contact hours must also be met between the student and the professor for academic credit.

**Special Project and Thesis Courses** A person who has been accepted for admission to the University of Guam may register for the following Special Projects courses upon special arrangements with the appropriate college/unit. Enrollment in these courses requires the advisors, professor, division/department chairs, and Dean/Directors approval.

190, 290, 390, 490 Special Projects  
192, 292, 392, 492 Practicum Courses  
199, 299, 399, 499 Independent Reading

A person who has been accepted for admission to the University of Guam may also, with the professors 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 a Glance 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 and International Programs Office located in the 2<sup>nd</sup> floor of the MARC/ Information Technology Resource Center/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 and International Programs Office. All other rules and regulations apply.

**NOTE:** If the Special Project and or Thesis are to be used for graduation requirements, grades must be submitted by the professor by the graduating student deadline. In addition, the required contact hours must also be met between the student and the professor for academic credit.

### **OTHER COURSE-NUMBER DESIGNATIONS**

Letter symbols appearing immediately after course numbers are to be interpreted as follows. Small case letters “a-b” mean a two-semester sequence to be taken in order. When small case letters are separated by a comma instead of a dash, these symbols indicate that even though the courses are closely related, they need not be taken in the a, b order if conditions make it more expedient to reverse the order.

### **CREDIT HOURS**

Parenthetical figures following the course title indicate the number of credit hours a course carries.

## COURSE ABBREVIATIONS

AGRICULTURE AND LIFE SCIENCES	AL	CNAS	MUSIC	MU	CLASS
ANTHROPOLOGY	AN	CLASS	NATURAL SCIENCE	NS	CNAS
ART	AR	CLASS	NURSING	NU	SNHS
BUSINESS ADMINISTRATION	BA	SBPA	PUBLIC ADMINISTRATION	PA	SBPA
BIOLOGY	BI	CNAS	PHYSICAL EDUCATION	PE	SOE
CHEMISTRY	CH	CNAS	PHYSICS	PH	CNAS
CHAMORRO STUDIES	CM	CLASS	PHILOSOPHY	PI	CLASS
COMMUNICATION	CO	CLASS	POLITICAL SCIENCE	PS	CLASS
COMPUTER SCIENCE	CS	CNAS	PSYCHOLOGY	PY	CLASS
CRITICAL THINKING	CT	CLASS	SOCIOLOGY	SO	CLASS
EDUCATION	ED	SOE	SOCIAL WORK	SW	CLASS
ENGLISH	EN	CLASS	THEATER	TH	CLASS
ENGINEERING SCIENCES	ES	SENG	WOMEN AND GENDER STUDIES	WG	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			
MILITARY SCIENCE	MSL	CNAS			
MODERN LANGUAGE		CLASS			
CHAMORRO	CM	CLASS			
CHINESE	CI	CLASS			
CHUUKESSE	CK	CLASS			
FRENCH	FR	CLASS			
GERMAN	GN	CLASS			
JAPANESE	JA	CLASS			
KOREAN	KO	CLASS			
POHNPEIAN	PN	CLASS			
SPANISH	SN	CLASS			
TAGALOG	TA	CLASS			

### COURSE OFFERINGS:

F = FALL

SP = SPRING

DE/OLL = DISTANCE EDUCATION/INTERNET BASED COURSE HYB = HYBRID ONLINE AND IN CLASS

## COURSE DESCRIPTIONS

### AGRICULTURE & LIFE SCIENCES (AL)

- AL101** (3)  
**INTRODUCTION TO AGRICULTURE** F/SP  
This course is designed to introduce the science of agriculture. This course explains principles behind the discipline that feeds, shelters, and clothes the world's population. Three hours of lecture. Co requisite: Enrollment in AL101L a three-hour laboratory class. Prerequisite: MA 085 or higher.
- AL101L** (1)  
**INTRODUCTION TO AGRICULTURE LABORATORY** F/SP  
AL101 is the laboratory portion of AL101 and MUST be taken concurrently with lecture course. Prerequisite: MA085a-b or MA089 or higher.
- AL102** (3)  
**INTRODUCTION TO PLANT SCIENCE** F/SP/DE  
This course introduces students to basic scientific knowledge of plants. Students will learn scientific principles relevant to understanding plant growth and development, plant nutrition, green organisms in the environment and plant improvement, Lab experiments will give students experience in observing, collecting data, and writing reports on plant growth and reproduction. The course consists of on-line activities that are equivalent of three hours of lecture weekly. Prerequisite: MA085 a-b or MA089 or higher and Co requisite: AL102L.
- AL102L** (1)  
**INTRODUCTION TO PLANT SCIENCE LABORATORY** F/SP/DE  
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. Co requisite: AL102 Pre-requisite: MA085a-b or MA089 or higher.
- AL109** (3)  
**INSECT WORLD** F/Even Years  
This course is an overview of insect biology for non- scientists. Emphasis is on insect behavior, ecology and structural/morphological adaptations. Lab is geared toward identifying common insects and experimentally examining aspects of insect biology. Concurrent enrollment in AL109 and AL109L is required. Prerequisite: MA085 a-b or MA089 or higher.
- AL109L** (1)  
**INSECT WORLD LAB** F/Even Years  
AL109L is the laboratory portion of AL109 and MUST be taken concurrently with lecture course.
- AL130** (3)  
**INTRODUCTION TO SCIENCE FOR EDUCATORS** SP/Even Years  
This is a one-semester course in general science as an introduction to science education and covers scientific inquiry, life sciences and physical sciences. The course consists of three hours of lecture weekly. The lab section of this course must be taken concurrently. Prerequisites: MA 115.
- AL130L** (1)  
**INTRODUCTION TO SCIENCE FOR EDUCATORS' LAB** SP/Even Years  
This is a one-semester course in general science as an introduction to science education and covers scientific inquiry, earth and space sciences, life science and physical sciences. This course is the laboratory section taken concurrently with the lecture section.
- AL136** (3)  
**SCIENCE OF AQUACULTURE** SP  
This course is to introduce the students to the basics of aquaculture (principles and practices) with emphasis in the areas of culture system, nutrition and feeding, reproductive biology, production techniques, water quality management, disease, health management, processing, marketing, and economics of commercially important aquaculture species. It is also designed to help students gain hand on experience in observing, sampling, analyzing and interpreting the dynamics of water parameters of culture



system, and learn technical skills to monitor the animal production performance of the common aquaculture species on Guam. Student is required to take AL136 and AL136L concurrently. Three hours of lecture and three hours of lab (AL136L) weekly. Prerequisites: MA085 a-b or MA089 or higher.

**AL136L (1)**  
**SCIENCE OF AQUACULTURE LAB SP**

AL136L is the laboratory portion of AL136 and MUST be taken concurrently with lecture course. Prerequisites: MA085 a-b or MA089 or higher.

**AL140 (3)**  
**SCIENTIFIC PRINCIPLES OF FOOD PREPARATION F**

This course covers the fundamental processes of food preparation as well as the relationship between scientific principles and cooking procedures. Includes three hours of lecture and three hours of lab weekly Prerequisite: MA085 a-b or MA089 and EN109. Corequisite: AL140L

**AL140L (1)**  
**SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB F**

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.

**AL185 (3)**  
**HUMAN NUTRITION F/SP**

This course introduces the basic principles of human nutrition, including nutrients, food sources for nutrients, and the national recommendations for a healthy diet. Applied nutrition and the study of current nutrition issues in health, the environment, and the Pacific region are critically reviewed.

**AL211 (3)**  
**INTRODUCTION TO ANIMAL SCIENCE F**

This course covers adaptation, distribution and numbers of livestock throughout the world; significance and economic importance; trends in livestock production; introduction to feeding, breeding, disease control, growth, and physiology. Three hours of lecture. Corequisite: AL211L the three hours of laboratory companion course. Prerequisite: MA085 a-b or MA089 or higher, and BI157-157L or AL101.

**AL211L (1)**  
**INTRODUCTION TO ANIMAL SCIENCE LABORATORY F**

AL211L is the laboratory portion of AL211 and MUST be taken concurrently with lecture course.

**AL281 (3)**  
**PRINCIPLES OF HORTICULTURAL SCIENCE SP**

This course introduces principles of plant-soil-climate relations and physical characteristics in horticultural crop production, current practices included. Emphasis is on the practical aspects of producing vegetable, fruit and ornamental crops in the tropics. Three hours of lecture and three hours lab weekly. Laboratories will consist of field activities, field trips, and guest lectures. 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.

**AL281L (1) SP**  
**PRINCIPLES OF HORTICULTURAL SCIENCE LABORATORY**

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: AL281.

**AL300 (3)**  
**FOOD PROCESSING TECHNOLOGY FA/Odd Years**

This course covers basic food processing principles and preservation techniques to extend shelf-life of foods by inhibiting microbiological or biochemical changes and retaining food sensory characteristics and nutritional quality. Emphasis is on food properties and processing theory, raw material preparation, fermentation technology, blanching, pasteurization, sterilization, dehydration, chilling, freezing, and packaging. Prerequisites: AL101, AL101L, AL140, AL185 and BI225/BI225L. Corequisite: AL300L concurrently.

**AL300L** (1)  
**FOOD PROCESSING TECHNOLOGY LAB** F/Odd Years  
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. Corequisite: CO300.

**AL309** (3)  
**YOUTH AT RISK** FA/Odd Years  
This course presents an overview of methods for practitioners' use to help prevent problems experienced by youth such as drug and alcohol abuse, teen pregnancy, sexually transmitted disease, suicide and school dropout. The approach to prevention includes the application of principles from human development, sociology, psychology, social work and education. Individual, family, school and community factors are considered to assess current issues for program development in Micronesia and Guam. Pre requisites: PY101 or SO101 or consent of instructor.

**AL311** (3)  
**PRINCIPLES OF AGRICULTURAL ENGINEERING** As Resources Permit  
The course introduces the engineering principles in agriculture as applied to land measurements, surveying and map making, farm water management, irrigation scheduling, and farm electrification. Emphasis is placed on learning how to apply the engineering principles for solving real-life problems in agriculture from calculating how many hours it will take to plow a field to how long to hands-on learning experience in the area of surveying, irrigation, farm machinery, and farm electricity. There are three hours of lecture and three hours of laboratory weekly. Concurrent enrollment in AL311 and AL311L is required. Prerequisite: MA161a or higher. Corequisite: AL311L

**AL311L** (1)  
**PRINCIPLES OF AGRICULTURAL ENGINEERING LABORATORY** As Resources Permit  
AL311L is the laboratory portion of AL311 and MUST be taken concurrently with lecture course. Prerequisite: MA161a or higher.

**AL321** (3)  
**HORTICULTURE PLANT ID** FA/Even Years  
This course is designed for students who would like to identify the plants that are important to Guam's culture, economy, and environment. The course covers the 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.

**AL321L** (1)  
**HORTICULTURE PLANT ID AND PROPAGATION LAB** FA/Even Years  
AL321L (1) is the laboratory portion of AL321 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. **Pre-requisite:** AL281.

**AL323** (3)  
**PLANT PATHOLOGY** F/Odd Years  
Principles underlying the nature and control of plant disease that are related to crop production and horticulture are introduced in this course. Topics examined include the microorganisms and environmental conditions that cause disease, their dispersal mechanisms and reproductive cycles, and prevention and control options available to manage and contain plant disease. This course meets for three hours of lecture weekly. Concurrent enrollment with AL323L is required. Prerequisites: AL101/L and AL102/L or BI157/L and BI158/L.

**AL323L** (1)  
**PLANT PATHOLOGY LABORATORY** F/Odd Years  
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.

**AL330** (3)  
**NUTRITION THROUGHOUT THE LIFESPAN** F/Even Years  
The nutritional requirements and diet recommendations of three different life span stages are examined. The stages include: (1) pregnancy and infancy, (2) early childhood and adolescence, and (3) adulthood and aging. Emphasis is placed on the special demands the various lifecycle stages impose on normal nutrition. Pre requisite: AL185 and ED201.

**AL335** (3)  
**NUTRITION FOR HEALTH, FITNESS AND SPORTS** F/Odd Years  
This course focuses on nutrition for active people engaged in exercise for sport performance, recreation, or health and fitness. Nutritional needs for sport-specific training, weight status, team sports, and special populations will be discussed. Pre requisite: BI157-157L and BI158-158L, or BI124-124L and BI125-125L with grade or C or better, and AL185 or CF 231.

- AL389** (3)  
**EXTENSION PROGRAMS AND PLANNING** SP  
This course reviews development and educational philosophy of the Cooperative Extension & Outreach in U.S., Guam, and the Pacific Basin. Extension educational programs, planning and development methods, teaching tools, and related topics are explored. Prerequisite: EN111 and PY101 or SO101 or consent of instructor.
- AL340** (3)  
**PEST MANAGEMENT** SP/Even Years  
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. Co-requisite: AL340L. Prerequisites: AL281. Suggested courses but not required are biology, entomology, plant pathology and plant identification.
- AL340L** (1)  
**PEST MANAGEMENT LABORATORY** SP/Even Years  
AL340L is the laboratory portion of AL340 and MUST be taken concurrently with lecture course.
- AL/BI345** (3)  
**GENERAL ENTOMOLOGY** F/Odd Years  
This course is an overview of insect biology with emphasis on fundamental problems encountered by insects, and the structural and functional adaptations used to overcome these problems. The laboratory focuses on insect identification. The course meets for three hours of lecture weekly. Concurrent enrollment in AL/BI345L is required.
- AL/BI345L** (1)  
**GENERAL ENTOMOLOGY LABORATORY** F/Odd Years  
This course is a co-requisite 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.
- AL351** (3)  
**PERSONAL AND FAMILY FINANCIAL MANAGEMENT** FA  
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. Pre requisite: MA110 or higher, or consent of instructor.
- AL/NS 380** (3)  
**PRINCIPLES OF SOIL SCIENCE** F  
This course delves into the basic principles of the fundamentals of the chemical, physical, and biological properties of soils; their formation, fertility, and management, and the effects of inorganic and organic chemicals on soil processes and properties as they relate to environmental pollution. Two hours of lecture, one-hour recitation and three hours laboratory weekly. Prerequisites: MA115 or higher and any two chemistry courses and concurrent enrollment in AL/NS380L is required.
- AL/NS380L** (1)  
**PRINCIPLES OF SOIL SCIENCE LABORATORY** F  
This course is a co-requisite of AL/NS380 and must be taken concurrently. The course meets for three hours of laboratory weekly. Pre requisites: MA115 or higher and any two chemistry courses.
- AL389** (3)  
**EXTENSION PROGRAMS AND PLANNING** SP  
The course reviews development and educational philosophy of the Cooperative Extension & Outreach in the U.S., Guam, and the Pacific Basin. Extension educational programs, planning and development methods, teaching tools, and related topics are explored. Prerequisites: EN111 and PY101 or SO101 or consent of instructor.

- AL392** (1)  
**LABORATORY TEACHING ASSISTANTSHIP** F/SP  
This course provides practical educational experience in undergraduate Agriculture and Life Sciences courses. Prerequisites: Completion, with a grade of “B” or better, of the course for which the assistantship is offered, junior standing and consent of instructor.
- AL401** (3)  
**COMMUNITY PLANNING** As Resources Permit  
This course is an introduction to community planning and social theories of communities with application activities designed to provide understanding of community problems and concerns; relationships of physical form to environment and function; aesthetic principles and cultural values; and planning as a synthesis of economic, political, social, cultural, physical, and administrative factors. Emphasis is on helping village communities understand the special circumstances related to growth and development pressures. Prerequisite: SO101.
- AL423** (3)  
**PLANT DISEASE CLINIC** As Resources Permit  
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. Co-requisite: AL423L. Pre-requisite: AL323/L or consent of instructor.
- AL423L** (1)  
**PLANT DISEASE CLINIC LABORATORY** As Resources Permit  
This is the laboratory section of AL423. Concurrent enrollment in AL423 and AL324L is required. Course meets for three hours of laboratory weekly. Prerequisite: AL323/L or consent of instructor.
- AL/BI430** (3)  
**SCIENTIFIC PHOTOGRAPHY** SP/Even Years  
Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. This course includes two hours of lecture and three hours of laboratory. AL/BI430L is the laboratory portion of AL/BI430 and MUST be taken concurrently. Co-requisite: AL/BI430L.
- AL/BI430L** (1)  
**SCIENTIFIC PHOTOGRAPHY LAB** SP/Even Years  
Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. This course includes two hours of lecture and three hours of laboratory. AL/BI430L is the laboratory portion of AL/BI430 and MUST be taken concurrently. Prerequisite: BI158/158L OR AL281. Co-requisite: AL/BI430.
- AL439/G** (3)  
**COMMUNITY NUTRITION** SP/Odd Years  
This course integrates concepts of education and nutrition. It is designed for the student who wants a broad-based understanding of the strategies that can be used to educate groups or individuals about concepts of nutrition. Prerequisites: AL185 and AL330 or consent of instructor. ED300 recommended.
- AL443/G** (3)  
**TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE** SP/Odd Years  
This course provides students with knowledge of agricultural sustainability through the practice of technologies that efficiently utilize resources that aim to improve and sustain soil and water quality and quantity. Students will gain knowledge of the technologies for improving sustainability on agriculture operations, conservation practices that mitigate degradation of soil and water quality in agricultural operations through sustainable management. Students will learn management strategies and technologies that aim to obtain optimum agricultural production, reduce negative environmental impacts, and sustain natural resources. The course meets for three hours of lecture and three hours of laboratory weekly.

AL443/GL is the laboratory portion of AL443/G and MUST be taken concurrently. Co-requisite: AL443L/G. Prerequisites: MA161a, AL211, AL281, or consent of instructor.

**AL443/GL (1)**

**TECHNOLOGIES FOR SUSTAINABLE  
TROPICAL AGRICULTURE LAB**

**SP/Odd Year**

This course provides students with knowledge of agricultural sustainability through the practice of technologies that efficiently utilize resources that aim to improve and sustain soil and water quality and quantity. Students will gain knowledge of the technologies for improving sustainability on agriculture operations, conservation practices that mitigate degradation of soil and water quality in agricultural operations through sustainable management. Students will learn management strategies and technologies that aim to obtain optimum agricultural production, reduce negative environmental impacts, and sustain natural resources. Laboratories will be conducted three hours weekly, and will consist of field activities, field trips, and guest lectures. AL443/GL is the laboratory portion of AL443/G and MUST be taken concurrently. Co-requisite: AL443/G. Prerequisites: MA161a,

**AL445 (3)**

**FOOD CHEMISTRY**

**SP/Even Years**

This course focuses on the chemical and functional properties of food constituents. Students learn the effects of processing and storage on the stability of chemical components, nutrition values, and quality of foods. Prerequisite: BI157/157L and BI158/158L or CH102/102L and CH103/103L

**AL445L (1)**

**FOOD CHEMISTRY LABORATORY**

**SP/Even Years**

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: Co-requisite AL445.

**AL450 (3)**

**FAMILY RESOURCES**

**SP/Odd Years**

This course studies family resource identification and management in relation to a successful household. Family goals and communication, financial management, principles and techniques in managing time, energy and money are stressed. Housing, family life cycle, seniors and government resources are topics included. A family and community foundation provides the basis to understand family resource management. The course explores how family and community needs assessments determine what community resources exists, identification of gaps and the impacts to families. Prerequisites: EC-212, and PY101 or SO-101, consent of instructor.

**AL451/G (3)**

**AGRICULTURAL BUSINESS MANAGEMENT**

**F/Odd Years**

This course examines the role of the manager in the organization and operation of the farm or agri-business. Will cover developing conservation plans, farm business plans, and enterprise budget, as well as other business planning and financial management tools. Prerequisites: MA115 or higher and AL351 or BA110.

**AL455 (2)**

**NUTRITIONAL ASSESSMENT**

**FA/Odd Years**

An in-depth survey of the methods used in the assessment of food and nutrient intakes to include nutritional status of communities, groups, and individuals in both health and disease. Prerequisites: AL330.

**AL460/G (4)**

**ADVANCED HUMAN NUTRITION**

**SP/Even Years**

This course covers the metabolism and macro- and micronutrients, including structure, digestion, absorption, transport, and cellular functions in human nutrition; energy metabolism and balance; and physiologic basis underlying dietary recommendations for human health. Prerequisites: BI157-157L and BI158-158L, or BI124/124L and BI125-125L with grade of C or better; CH101; and AL445 or instructors consent.

**AL470 (3)**

**NUTRITION EDUCATION AND COUNSELING**

**F/Odd Years**

This course presents students with current strategies used to provide nutrition and education counseling for individuals and groups to promote behavior change and apply nutrition recommendations as a total health approach.  
**Pre-requisites:** AL455 and AL439.

- AL475** (3)  
**MEDICAL NUTRITION THERAPY** **SP/Even Years**  
Advances knowledge in the nutritional care process and focuses on the health professional and their role in designing modified diets for specific disease states based on current research and standards of care. Pre-requisites: AL185 and AL455, or instructor consent
- AL481** (3)  
**ENVIRONMENTAL SOIL SCIENCE** **SP/Odd Years**  
An overview of soil properties and their impact on the environment will be discussed. Topics covered include: soil erosion, soil conservation, soil enhancement, non-point source pollution, soil contamination, and waste management. Students will develop skills in soil and water contaminant analysis and environmental assessment. This course consists of three hours of lecture weekly. Concurrent enrollment in AL481L is required. Prerequisites: AL/NS 380 and MA 161a or higher.
- AL481L** (1)  
**ENVIRONMENTAL SOIL SCIENCE LABORATORY** **SP/Odd Years**  
This is the laboratory section of AL481. Concurrent enrollment in AL481 is required. This course meets for three hours of laboratory weekly. Prerequisites: AL/NS 380 and MA161a or higher.
- AL484** (3)  
**TROPICAL VEGETABLE PRODUCTION** **SP/Even Years**  
This course is a lecture portion of the tropical vegetable production course. Topics include botany and classification of vegetable, crops production and management systems, plant growth and vegetable cultivar development and testing, and vegetable seed production technology. This course meets for three hours lecture and three hours laboratory weekly, Prerequisites: AL281 and other plant science or biology courses. Co-requisite AL484L.
- AL484L** (1)  
**TROPICAL VEGETABLE PRODUCTION LABORATORY** **SP/Even Years**  
This course is a laboratory portion of the tropical vegetable production course. Prerequisite: AL281 and other plant science or biology courses. Co-requisite AL484.
- AL485** (3)  
**TROPICAL FRUITS HORTICULTURE** **F/Even Years**  
This course covers tropical fruits, their botany, taxonomy and uses, including detailed study of important fruits and their impact on life in the tropics. Topics to be covered are: relationship of the environment; plant structures and cultural practices to yield and quality' propagation methods; seed viability, dormancy and seed treatments, fertilizers, growth regulators, and modification of season of production; and stock and scion relationships. The course meets for three hours lecture weekly. Concurrent enrollment in AL485L is required. Prerequisite: AL281.
- AL485L** (1)  
**TROPICAL FRUITS HORTICULTURE LABORATORY** **F/Even Years**  
This course is the laboratory section of AL485. This course meets for three hours laboratory weekly. Concurrent enrollment in AL485 is required. Prerequisite: AL281.
- AL486** (3)  
**ORNAMENTAL CROP PRODUCTION IN THE TROPICS** **SP/Odd Years**  
This course covers topics related to the production of ornamental plants in the tropics. Lectures cover the propagation, management and post-harvest handling of specific crops. Meets for three hours of lecture weekly. Concurrent enrollment in AL486L is required. Prerequisite: AL281
- AL486L** (1)  
**ORNAMENTAL CROP PRODUCTION IN THE TROPICAL LAB** **SP/Odd Years**  
AL486L is the laboratory portion of AL486 and **MUST** be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: AL486.
- AL490** (2-3 credits)  
**SPECIAL PROJECTS**  
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.

**AL498**

**INTERNSHIP**

**(2-3 credits)**

**F/SP**

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.

**AL499**

**CAPSTONE SEMINAR**

**(3)**

**F/SP**

In this course, Agriculture and Life Sciences seniors complete a variety of written and oral assignments designed to demonstrate mastery in analysis and synthesis of accumulated, learned knowledge in their chosen field with special emphasis on their prerequisite Internship or Special Projects experience. Students complete 1.5 hrs of directed activities and 1.5 hrs of independent work weekly. Prerequisites: AL490 or AL498.

**ANTHROPOLOGY (AN)**

**AN101**

**INTRODUCTION TO ANTHROPOLOGY**

**(3)**

**F/SP/SU/DE**

This course is an introduction to anthropology: the comparative study of human beings. The basic principles of archaeology, cultural anthropology, linguistics and physical anthropology are explored as they relate to the study of human beings, and to each other as sub disciplines of anthropology.

**AN203**

**INTRODUCTION TO ARCHAEOLOGY**

**(3)**

**F/Odd Years**

This course presents a broad overview of the practice and principles of archaeology introducing regional, maritime, and international approaches. The course covers locating sites, site surveying, mapping, sampling, excavation, and the recording of cultural remains, alongside contemporary issues in cultural resource management. In-class learning is supplemented with intensive field course preparation and participation.

**AN212**

**CULTURAL ANTHROPOLOGY**

**(3)**

**F**

This course involves the study of culture, the central concept of anthropology. Traditional and contemporary theories regarding the nature, structure and dynamics of culture are examined, as well as human social institutions: marriage and the family, kinship and descent, social organization, subsistence patterns, economic systems, political organization, social control, religion and magic and the arts.

**AN222**

**BIOLOGICAL ANTHROPOLOGY**

**(4)**

**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.

**AN234**

**LINGUISTIC ANTHROPOLOGY**

**(3)**

**F**

This course presents linguistic questions, methods, and tools used within anthropology with special attention to the relation between Oceanic language and culture. Participants will develop an introductory understanding of the profound implications that language has for the formation maintenance and change of cultural practices and social events.

**AN320**

**PEOPLE OF THE PACIFIC**

**(3)**

**SP**

AN320 is a study of the cultural anthropology of Melanesia, Micronesia, and Polynesia, the most ethnographically diverse region on the planet. Themes may include art, colonialism, ethnocentrism, first contact, gender, inequality, intoxication, power, race relations, religion, ritual, social change, sorcery and tattooing.

- AN321** (3)  
**VISUAL ANTHROPOLOGY** SP  
Visual Anthropology combines filmic theory and practice towards new understandings of cultural anthropology and contemporary society. This course offers undergraduates an opportunity to creatively engage in the direction and production of ethnographic films regarding issues affecting themselves and their community.
- AN/EN333** (3)  
**LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC** F  
This course provides an overview of the Pacific island literatures. It surveys myths, legends, folktales, historical and literary works of Guam, Micronesia and other Pacific island cultures. It also explores resources suitable for instruction in the schools.
- AN/GE341** (3)  
**CULTURAL ECOLOGY** F/Odd Years  
This course examines the linkages and interactions between human cultures and the environment, particularly of subsistence peoples in the tropics and the Pacific. Traditional and contemporary theories and approaches of human adaptation to and modification of the environment are examined.
- AN/NU/SO/SW344** (3)  
**AGING: MYTH & REALITIES** F  
This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economics, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for seniors is included, as is a section on dying, death and grieving.
- AN369** (3)  
**SPECIAL TOPICS** F/SP  
This course provides students with advanced study of specific topics within the field of anthropology. The course may be repeated for credit when different topics are covered.
- AN381** (3)  
**ASIA-PACIFIC MARITIME ARCHAEOLOGY** SP  
This course introduces students to the distinctive maritime heritage of the Asia-Pacific region as an example of the world's maritime archaeology to illustrate past and contemporary connections that communities have with the ocean and its resources.
- AN413** (3)  
**RESEARCH METHODS IN ANTHROPOLOGY** F  
This course covers the use of bibliography, reference tools, and research methods in Anthropology. Presentation and cooperative evaluation of research materials, methods, and projects is required. Course may not be repeated for credit.
- AN421** (3)  
**CROSS-CULTURAL AND SOCIOLOGICAL PROBLEMS OF GUAM AND MICRONESIA** SP/Odd Years  
This course analyzes and evaluates the changing cultural patterns of Guam, the Commonwealth of the Northern Marianas, the Republic of Belau, the Federated States of Micronesia and the Republic of the Marshall Islands. New techniques and materials in the social science area pertaining to cross-cultural understanding are considered.
- AN462** (3-6)  
**ADVANCED FIELD METHODS IN ARCHAEOLOGY** As Resources Permit  
This course offers advanced training of archaeological field methodology for advanced students who already have prior knowledge of archaeological field methods. In addition to focusing on aspects of research design, advanced recovery techniques and data collation and processing, students will develop on-site decision-making and problem-solving skills. This course aims to train advanced students to a level where they can direct archaeological excavation with supervision. Can be repeated once for credit, if field project is different.
- AN498** (4)  
**INTERNSHIP IN ANTHROPOLOGY** F/SP  
This course is designed to introduce students to the application and relevance of anthropology in the workplace, and is suitable for anthropology students of junior or senior standing. Placement with an appropriate host organization will be coordinated in association with the student's advisor. The student works a designated number of hours over the course of



the semester, and holds regular meetings with the appropriate instructor. A final assignment will draw upon the knowledge and skills gained during the period of the internship. Can be retaken for credit if content is different.

## ART (AR)

The student can choose either the A-P-NC grading system or the conventional A, B, C, D, F grading system in some lower division studio undergraduate art (AR) courses. The instructor shall explain the two grading system options to the students and distribute the appropriate form during the first three weeks of the semester. ("Pass" is equivalent to B and C in the conventional grading system. "P" and "NC" are not computed in the grade-point average.)

**AR101** (3)  
**INTRODUCTION TO ART** F/SP/HYB  
This is a course covering the major art trends and their place in history, art media and technique, and criteria for evaluating the visual arts.

**AR102** (3)  
**STUDIO FOR NON-MAJORS** F/SP  
This course is an exploration of visual ideas and images in drawing, painting, printmaking, and other studio techniques. It involves studio work and fieldtrips.

**AR103** (3)  
**DRAWING I** F/SP  
This course develops the student's visual perception and his or her ability to make a visual statement through various drawing media.

**AR104** (3)  
**BASIC DESIGN** F  
Basic Design is an introduction to the principles and elements of two-dimensional visual organization.

**AR203** (3)  
**DRAWING II** SP  
Drawing II provides additional experience in drawing with emphasis on the ability to interpret visual forms in a creative and individualized manner. Prerequisite: AR103 or consent of instructor.

**AR204** (3)  
**3-D DESIGN** SP/Odd Years  
This course introduces methods, materials, techniques, principles of organization, and elements of design applied to the third dimension as a means to understanding sculptural form. Prerequisite: AR104 or consent of instructor.

**AR205** (3)  
**BASIC WATERCOLOR PAINTING** F  
Transparent and opaque watercolor techniques are introduced. Emphasis is placed upon creative utilization for the development of original, personal statement and the understanding of the effects and variety of different watercolor techniques. Prerequisite: AR103 or consent of instructor.

**AR206** (3)  
**BASIC PAINTING** SP  
This course explores problems in color and form with an introduction to painting media. Prerequisite: AR103 or consent of instructor.

**AR208** (3)  
**BASIC SCULPTURE** F  
Sculpture methods and techniques are explored in this course. Emphasis is placed on creative utilization of materials and techniques and the development of a personal direction. Prerequisite: AR103 or AR104, or consent of instructor.

**AR210** (3)  
**BASIC PRINTMAKING** F  
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.

- AR211** (3)  
**BASIC PHOTOGRAPHY** F/SP  
This introductory course enables students to understand and properly use the camera and darkroom with emphasis on composition and visual communications. Prerequisite: Students must have a 35mm SLR camera with interchangeable lenses.
- AR220** (3)  
**BASIC CERAMICS** F/SP  
This course is a study of ceramic materials and processes. Emphasis is on developing the student's skills and creativity.
- AR240** (3)  
**COMPUTER GRAPHIC DESIGN** F/SP  
An entry-level that involves learning to create eye-catching graphics dealing with the interaction of text and image along with the fundamental components of graphic communication. Students apply their artistic skills using industry- standard software. Prerequisite: AR102, AR103, AR104 or consent of the instructor.
- AR303** (3)  
**LIFE DRAWING** F  
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.
- AR305** (3)  
**INTERMEDIATE WATERCOLOR PAINTING** F  
This course provides a continuation of the study of techniques of AR205. Prerequisite AR205.
- AR306** (3)  
**INTERMEDIATE PAINTING** SP  
This course provides a continuation of the painting techniques introduced in Basic Painting with emphasis on the problems of visual organization. Prerequisite: AR206.
- AR308** (3)  
**INTERMEDIATE SCULPTURE** F  
This course provides a continuation of the techniques introduced in Basic Sculpture with emphasis on developing the student's skills and creativity. Prerequisite: AR208.
- AR310** (3)  
**INTERMEDIATE PRINTMAKING** SP  
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.
- AR311** (3)  
**INTERMEDIATE PHOTOGRAPHY** SP/Odd Years  
Various photographic techniques are analyzed to suit individual creative concerns. A wider range of photographic techniques is explored and the development of the student's personal photographic language is stressed.
- AR320** (3)  
**INTERMEDIATE CERAMICS** SP  
This course covers a continuation of the processes introduced in Basic Ceramics including ceramic clays, techniques, and kiln construction. Emphasis is placed on creative utilization of materials and techniques and the development of a personal direction. Prerequisite: AR220.
- AR322** (3)  
**HISTORY OF TRADITIONAL JAPANESE ART** F/Odd Years  
This course is an historical survey of traditional Japanese Art from Neolithic era to the Meiji period (1860's). Prerequisite: AR101 or consent of instructor.
- AR323** (3)  
**GALLERY MANAGEMENT AND EXHIBITION DESIGN** SP  
This is a course that explores the technical aspects of gallery management and exhibition design. Prerequisite: AR101 or consent of instructor.

- AR326** (3)  
**ANALYSIS OF SPECIMENS AND DOCUMENTATION** F  
This is a course that allows the student access to the permanent collection of the Isla Center for the Arts that consists of over 500 objects. Regions represented in the permanent collection include Micronesia, Japan, Papua New Guinea, and Europe. Proper handling and documentation techniques are introduced to emphasize the historical, cultural, and technical/artistic aspects of the objects in the collection. Prerequisite: AR101 or consent of the instructor.
- AR331** (3)  
**HISTORY OF ART I** SP/Even Years  
This course covers the history of art from the prehistoric through the Gothic periods. Prerequisite: AR101 or consent of the instructor.
- AR332** (3)  
**HISTORY OF ART II** SP/Odd Years  
This course covers the history of art from the Renaissance through the twentieth century. Prerequisite: AR101 or consent of the instructor.
- AR340** (3)  
**DIGITAL IMAGING TECHNIQUES** F/SP  
Students explore digital imaging using scanners, digital cameras, and industry-standard software to develop and further refine skills in working with images, words, and ideas as they create solutions to a series of design problems. Concept-driven assignments have strong drawing components. Basic knowledge of industry-standard software along with use of digital camera preferred but not required. Prerequisites: AR-103 Drawing I and AR-104 Basic Design or consent of instructor.
- AR384** (3)  
**ENVIRONMENTAL ART** SP/Odd Years  
This course enables students to experience artistic activities in response to the environment, both man-made and natural. These may include tangible or conceptual projects undertaken by either individuals or the group. Emphasis of the course will be determined by the expertise of the instructor. Prerequisite: AR 103 and AR104 or AR204 or consent of the instructor.
- AR404** (3)  
**ADVANCED WATERCOLOR PAINTING I** F  
The emphasis of this course is on the development of the student's ability to define and express original and personal artistic statements. Prerequisite: AR305
- AR405** (3)  
**ADVANCED WATERCOLOR PAINTING II** F  
This is a continuation of AR404 to further extend the student's awareness and experience. Prerequisite: AR404
- AR406** (3)  
**ADVANCED PAINTING I** SP  
Emphasis is placed upon the student's ability to define and express an original point of view. Prerequisite: AR306
- AR407** (3)  
**ADVANCED PAINTING II** SP  
This is a continuation of AR406 to further extend the student's awareness and experience. Prerequisite: AR406
- AR408** (3)  
**ADVANCED SCULPTURE I** SP  
This course continues AR308. An emphasis is placed on alerting the student to his own creative potential. Prerequisite: AR308 or consent of instructor.
- AR409** (3)  
**ADVANCED SCULPTURE II** SP  
This is a continuation of AR408. This course involves individual projects and development of individual style. Prerequisite: AR408

**AR410** (3)  
**ADVANCED PRINTMAKING I** F  
This course offers the art student additional work in printmaking, with the option of focusing on only one, or several of the printmaking processes which include block printing (relief), silkscreen printing (serigraphy), intaglio printing (etching, engraving, dry point). Prerequisite: AR210, AR310.

**AR411** (3)  
**ADVANCED PRINTMAKING II** SP  
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 and intaglio printing. Prerequisite: AR410.

**AR420** (3)  
**ADVANCED CERAMICS I** SP  
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.

**AR421** (3)  
**ADVANCED CERAMICS II** SP  
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.

## **BUSINESS ADMINISTRATION (BA)**

### **NOTE:**

- A. SBPA requirement: must complete EN111 and MA110 or MA115 or MA161a/b or MA165 with a C grade or better before enrolling in any upper-division BA courses.**
- B. BA courses are identified as follows: (i) the first digit of the course number is the recommended year to complete the course (i.e., 1 for freshman, 2 for sophomore, 3 for junior, 4 for senior); (ii) the second digit of the course number identifies the discipline/field of study (i.e., 0 is accounting, 1 is economics, 2 is finance, 3 is information technology, 4 is management, 5 is international business and tourism, 6 is marketing, 7 is not used at this time, 8 is business multi-disciplinary, 9 is special needs course); (iii) the third digit does not have any particular meaning. Example is BA110, which is a freshman course in economics.**
- C. All students following catalog years 2018-19 and thereafter are required to see a SBPA advisor before enrolling in any 300- or 400-level BA course. Students must meet merit-based standards for one of the BBA pathways to enroll in BA upper-division courses.**

**BA110** (3)  
**PRINCIPLES OF ECONOMICS** F/SP  
This course introduces the principles, terminology and fundamental concepts of microeconomics and macroeconomics. It is a foundation for understanding the scope and methods of the economic perspective applied to issues faced by modern capitalist societies. Topics include the role of economics in society, the structure of economic activity, the behavior of firms and households in a market economy, the role of government and institutions of public policy in the United States. Relevant examples from Guam, Micronesia and the Pacific Rim will be explored. Prerequisites: MA110.

**BA130** (3)  
**INTRODUCTION TO COMPUTERS AND APPLICATIONS** F/SP  
This course introduces students to basic computing concepts and the use of computers in management settings. Prerequisite: MA110 or MA115 with a C grade of better.

**BA131** (3)  
**INTRODUCTION TO INFORMATION MANAGEMENT** F/SP  
This course surveys the broad array of information management topics in business including information technology and computational tools, information sourcing, information management and data organization, information networks, ethics, legal and social implications of information systems, technical personnel and professional groups, and the changing impacts of information technology in a global environment. The course will also provide vigorous training on business productivity

application software, with emphasis on applied skills on spreadsheet. Prerequisite: MA110 or MA115 or MA161 a/b with a C grade or better.

**BA150 (3)**  
**INTRODUCTION TO HOSPITALITY SP**

This course discusses the fundamentals of the hospitality industry by providing an overview of the various departments of a hotel. It also discusses the positions and career paths available to students interested in a career in the hospitality industry.

**BA180 (3)**  
**BUSINESS ESSENTIALS F/SP/HYB**

This course is designed to increase student awareness of business programs and the business professions. It is required for all entering students intending to pursue a BBAA or BBA degree. This course is designed to help students get the most out of their academic experience by offering ongoing orientation to business studies, business professionals, professional requirements and expectations, success skills, and career planning. This course will cover the practical applications of a business degree including how to prepare a portfolio, and a professional resume. Prerequisite: eligibility for EN110 and CO210 (may be taken concurrently)

**BA200 (3)**  
**PRINCIPLES OF FINANCIAL ACCOUNTING F/SP/HYB/OLL**

The first semester covers basic accounting principles of financial accounting and techniques within a framework of sound modern theory. Prerequisite: 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.

**BA201 (3)**  
**PRINCIPLES OF MANAGERIAL ACCOUNTING F/SP/HYB/OLL**

This course covers fundamental accounting principles for partnerships and corporations; introduction to management accounting and cost accounting practice work is included to meet current trends in technology. Prerequisite: BA200 with a C grade or better.

**BA220 (3)**  
**BASIC BUSINESS FINANCE F/SP/HYB**

This course covers the finance function in business; procurement and utilization of funds; costs and problems associated with acquiring funds; forecasting profits gained through their use; and the organization necessary to carry out the finance function in business. Prerequisites: BA201 and PA205 or MA151 or BA210 with a C grade or better in both courses.

**BA230 (3)**  
**DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION F/Odd Years**

This course develops skills in the areas of spreadsheets, database management and cloud computing. Prerequisites: MA110 or MA115 or MA161a/b or MA165 with a C grade or better.

**BA240 (3)**  
**MANAGEMENT OF ORGANIZATIONS F/SP/HYB**

This course is the study of the nature of business organizations and the functions of the manager within the organization. It also introduces theories and concepts underlying domestic and global management. Students are introduced to case analysis as a method for analyzing business and management issues. Prerequisite: BA180 for students following catalog years 2018-19 and thereafter.

**BA241 (3)**  
**HUMAN RESOURCE MANAGEMENT F/SP**

This course covers the principles and techniques employed in the management of international human resources. Key areas such as employee selection, training, development and performance appraisal are introduced. Approaches to gender, cultural, and ethnic diversity are stressed throughout the course. Students will develop a basic understanding of differences between HR functions in public and private sector systems. Prerequisite: Placement in EN111 and MA110 or higher.

**BA242 (3)**  
**INTRODUCTION TO ENTREPRENEURSHIP AND INNOVATION F/SP**

Provides an overview of the principles, theories, and practice of entrepreneurship and innovation and how to take ideas and turn them into a viable business enterprise. Emphases will be placed on the student understanding of how past entrepreneurs have used

innovation methods to launch entrepreneurial ventures; and the basic foundations and terminology of entrepreneurship. Prerequisite: BA110 and BA240 or concurrent.

**BA251** (3)  
**GUAM'S TOURISM PRODUCT** SP /Even Years  
This course is an inventory of the visitor industry on Guam that focuses on the island's attractions and its identity as a distinct tourist destination, as well as the public and private organizations that are associated with tourism and individual companies operating within the major tourism sectors. Guam's tourism policy, planning, and development are also examined from the perspective of its various stakeholders.

**BA252** (3)  
**INTERNATIONAL TOURISM** F/SP  
This course examines the dynamics of international tourism from various management perspectives. Special emphasis is placed on the market characteristics and distribution channels of inbound-outbound tourism affecting the Pacific Rim. Prerequisite: BA240.

**BA260** (3)  
**FUNDAMENTALS OF MARKETING** F/SP  
This course covers the principles, practices, and concepts involved in the performance of business activities, which direct the transfer of goods and the acquisition of services from producer to consumer or user. Included are the study of marketing functions and institutions; activities having to do with effecting change in ownership and possession of goods and services; and the study of applied economics relating to the creation of time, place and possession utility.

**BA300** (3)  
**INTERMEDIATE ACCOUNTING I** F/SP  
Intermediate accounting provides technical knowledge in regard to the application of conceptual accounting knowledge to specific practice circumstances and the understanding of a wide scope and range of accounting topics. Prerequisite: BA201 with a C grade or better, Instructor's consent, and pass the Accounting Major Competency Exam.

**BA301** (3)  
**INTERMEDIATE ACCOUNTING II** F/SP  
Provides technical knowledge in regard to the application of conceptual accounting knowledge to specific practice circumstances and the understanding of a wide scope and range of accounting topics. Prerequisite: BA300 with a C grade or better.

**BA303** (3)  
**GOVERNMENTAL ACCOUNTING FOR NON-ACCOUNTING MAJORS** F/SP/HYB  
This course is an introduction to the theory and procedure of general accounting practices of the non-profit segment of the economy. The semester covers the application of accounting information in planning and control for non-profit organizations.

**BA304** (3)  
**INCOME TAXATION** F/SP  
This course covers federal income taxation that pertains to individuals, corporations, partnerships, and estates and trusts. Particular emphasis is given to areas of gross income, deductions and credits. Prerequisites: BA 201 with a C grade or better.

**BA305** (3)  
**COST AND MANAGERIAL ACCOUNTING** F/SP  
This is a study of the fundamental managerial and cost accounting concepts and their application to the planning and control of the firm. Topics include cost accounting, budgeting, cost allocation, capital budgeting, and introduction to modern concepts like ABC, JIT and cost of quality. Prerequisite: BA201 with a C grade or better.

**BA306** As Required  
**ADVANCED COST AND MANAGERIAL ACCOUNTING**  
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.

- BA307** (3)  
**INTERNATIONAL ACCOUNTING** F/SP  
This course is designed to provide an understanding of international accounting issues to students who will be involved in international business as business and capital markets become more global. Prerequisite: BA301 with a C grade or better.
- BA310** (3)  
**APPLIED STATISTICS FOR BUSINESS DECISION** F/SP  
This course provides advanced concepts in the modern theory and methodology of statistics as applied to business and economics. It builds upon fundamental statistics and the use of spreadsheet software, emphasizing their application to business 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 BA210 Basic Statistics for Business and Economics, MA151 Introductory Statistics, or PA205 Data and Basic Statistics for Government Business. Prerequisites: BA240 and PA205 or MA151 or BA210 with a C grade or better in both courses.
- BA311** (3)  
**INTERMEDIATE MACRO-ECONOMIC THEORY** F  
This course offers an in-depth discussion of Keynesian-NeoKeynesian-Neoclassical models of aggregate economic activity and the use of these models to shed light on such public policy questions as unemployment, inflation, taxation, poverty, trade, growth, money and interest rates. Prerequisite: PA205 or MA151 or BA210 with a C grade or better.
- BA312** (3)  
**INTERMEDIATE MICRO-ECONOMIC THEORY** SP  
This course offers an in-depth discussion of models relating to consumer behavior, market demand and price theory, the theory of the firm, and the impact of different market structures for outputs and inputs. Time permitting, the subjects of choice under uncertainty, welfare economics and general equilibrium theory are covered. Prerequisite: PA205 or MA151 or BA210 with a C grade or better.
- BA321** (3)  
**MONEY AND BANKING** F  
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.
- BA322** (3)  
**PERSONAL FINANCIAL PLANNING** F/SP  
This course is a software and web-based program that offers students the opportunity to develop a financial career plan for their personal and professional use. Elements of financial planning are presented and include: career aspects of financial planning; financial goals and objectives; personal financial statements and budget; cash and credit management; personal tax planning; housing, insurance and investment decisions; and retirement.
- BA323** (3)  
**CORPORATE FINANCE** F  
This is an advanced course in the study of the elements of financial management in a business organization. Topics include financial forecasting, break-even analysis, capital budgeting, investment banking, capital financing and international finance. Prerequisite: BA220 with a C grade or better.
- BA330** (3)  
**INFORMATION TECHNOLOGY AND NETWORKS FOR BUSINESS** F/SP  
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.

**BA333**

**MANAGEMENT INFORMATION SYSTEMS**

**F/SP/HYB**

This is a survey of information system topics from the managerial viewpoint. Major topics are an overview of MIS, systems analysis and design, database management, data communication, decision support systems and expert systems. Prerequisites: BA240 and BA335 with a C grade or better in both courses.

**BA334**

**BUSINESS ANALYTICS**

**(3)**

**SP/Even Years**

This course covers the fundamental concepts and tools needed to understand the emerging role of business analytics in organizations. It discusses the application of basic business analytics tools in a spreadsheet environment, and how to effectively use and interpret analytic models and results for making better business decisions. Prerequisites: PA205 or MA151 or BA210.

**BA335**

**CYBERSECURITY AND CLOUD SERVICE**

**(3)**

**F/SP**

This course surveys the importance of cybersecurity and cloud service in the business world. The first part of the course covers the introductory concepts of cybersecurity. It helps learners to gain the understanding of the principles that frame and define cybersecurity, and how to implement cybersecurity practices in the corporate environment. The second part of the course surveys the current trend of the cloud service. A student may receive credit for either BA330 or BA335, but not a combination of the two. Prerequisite: BA130 or BA131 or BA230.

**BA341**

**INTERNATIONAL BUSINESS ENVIRONMENT**

**(3)**

**SP**

This course consists of readings and analysis of social, economic, political, legal, and technological forces with which business organizations must contend. The course focuses on East Asia.

**BA342**

**ENTREPRENEURSHIP: ISSUES AND SOLUTIONS  
IN BUSINESS START-UPS**

**(3)**

**SP**

Provides an overview of why small businesses fail and how to reduce this risk. Major functional areas of business will be covered through the use of case studies including the areas of: finance, human resources, operations management, distribution channels, marketing, IT, and laws and government regulations. Prerequisite: BA240 and BA242 with a C grade or better in both courses.

**BA345**

**MANAGING THE EMPLOYEE & WORK ENVIRONMENT**

**(3)**

**F/SP**

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/ PA347**

**LEADERSHIP AND COLLABORATION IN ORGANIZATIONS  
AND SOCIETY**

**(3)**

**F/SP**

The course integrates personal leadership with collaboration and networking for organizational performance and societal gain. The course strengthens practical leadership and collaborative skills. Prerequisite: BA240 or PA210.

**BA350**

**HOTEL MANAGEMENT**

**(3)**

**SP**

This course examines the organization and characteristics of hotels and how they are effectively managed by applying the four management functions of planning, organizing, directing, and controlling. Case studies of successful general managers are examined from the perspective of their duties, responsibilities, challenges, rewards, and lifestyles. Prerequisite: BA240 with a C grade or better.

**BA352**

**FOOD AND BEVERAGE MANAGEMENT**

**(3)**

**SP/Odd Years**

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.



- BA361** (3)  
**CONSUMER BEHAVIOR** F/Odd years  
This is an interdisciplinary approach to the study of consumers and decision-making units for the purpose of systematically defining and selecting the organization's target market(s). The emphasis is on understanding behavioral science concepts, theories, and research findings with managerial applications. Prerequisite: BA260 with a C grade or better.
- BA363** (3)  
**ADVERTISING AND SALES PROMOTION** SP  
This course covers basic concepts and functions of advertising and sales promotion; personal selling; point-of-sale promotion; consumer motivation; problems in utilizing and measuring effectiveness of advertising and sales promotion techniques. Prerequisite: BA260 with a C grade or better.
- BA380** (3)  
**E-BUSINESS** SP  
This course examines the use of the internet and electronic technology in business operations. The focus is on the emerging paradigm shift in business that has been affected by e-business models and their implications for conducting business, including the marketing of products and services via the Internet. Prerequisites: BA260 and BA330. \*BA330 may be a prerequisite or co-requisite.
- BA386** (3)  
**LOGISTICS AND SUPPLY CHAIN MANAGEMENT** F/SP  
This course examines the flow of products and information through a business with the objective of achieving sustainable competitive advantage and optimizing firm value. Students learn how to control, manage and improve the systems, processes and flow of materials and information from suppliers to customers. Prerequisite: BA240 and BA260.
- BA400** (3)  
**ADVANCED ACCOUNTING** F/SP  
This course covers accounting principles and procedures peculiar to specialized areas such as partnerships, combinations, consolidations, foreign transactions and operations, and securities exchange commission reporting. Prerequisites: BA301 with a C grade or better.
- BA401** (3)  
**GOVERNMENT ACCOUNTING** F/SP/HYB  
This course covers state and local accounting, non-profit accounting, accounting for grant monies, and federal accounting. Government accounting is different from commercial accounting, as this course will provide the student with a working knowledge of all echelons of governmental accounting within the United States. Prerequisite: BA301 with a C grade or better.
- BA402** (3)  
**ACCOUNTING SYSTEMS** F/SP/HYB  
This course offers an analysis of theoretical models illustrating structure design and installation of specific accounting systems with emphasis on computer applications. Prerequisites: BA301, BA305 and BA330 or BA334 with a C grade or better in all 3 courses.
- BA403** (3)  
**AUDITING** F/SP  
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.
- BA404** (3)  
**ADVANCED INCOME TAXATION** As Required  
This course covers advance Federal Income Taxation with emphasis on research in the application of tax rules and regulations that pertain individuals, corporations, partnership, and estate and trusts. Prerequisites: BA304 with a C grade or better.

- BA405** (3)  
**ACCOUNTING INTERNSHIP** F/SP  
The course prepares students for entering the accounting world by providing them with practical experience with an accounting firm or department. The course is designed for upper division students, preferably seniors, who have demonstrated proficiency in the foundation coursework required of all accounting majors. Prerequisite: Instructors consent.
- BA406** (3)  
**ETHICS FOR THE ACCOUNTANT** F/SP/OLL  
This course is designed to provide accounting professionals and intensive treatment of post-Sarbanes-Oxley ethics (also post Enron-WorldCom era). Prerequisite: Instructors consent.
- BA408** (3)  
**AUDITING II** As Required  
This course is designed to provide accounting majors a hands-on experience in the use of techniques for the planning and conduct of audits of financial statements. Prerequisite: BA403 with a C grade or better and Instructor's consent.
- BA409** (3)  
**SPECIAL STUDIES IN ACCOUNTING** As Required  
This course provides students with the opportunity to study, in depth, a particular area in Accounting and Auditing. Prerequisites: BA301, BA305, BA307 and BA403 with a C grade or better in all 4 courses.
- BA410** (3)  
**MANAGERIAL ECONOMICS** F/SP  
This course covers phases of business economics most useful to managers of organizations: defining goals, measuring and forecasting demand, costs, and competition. Prerequisite: BA310 with a C grade or better.
- BA420** (3)  
**INTERNATIONAL CORPORATE FINANCE** SP /HYB  
This course examines the problems, techniques, and policies of financial decision-making in an enterprise operating in the international business environment. Class discussion includes the nature and purpose of international business, balance of payments, foreign exchange risk, currency markets, and managing three types of international monetary risk, direct investment decisions and the international debt crisis. Prerequisite: BA220 with a C grade or better.
- BA421** (3)  
**INVESTMENTS AND REAL ESTATE** SP/HYB  
This is an introductory course in the techniques of investing in the capital markets. A variety of investment vehicles are introduced, including: stocks, bonds, convertibles, warrants, stock options, mutual funds, precious metals, and real estate. Prerequisite: BA220 with a C grade or better.
- BA431** (3)  
**TOPICS IN THE MANAGEMENT OF TECHNOLOGY AND INNOVATION** SP/HYB  
This course provides concepts, tools and processes for enabling managers and firms to use technology and innovation for strategic competitive advantage. Students learn about current topics in technology and innovation. The course is only available to seniors in the BBA Business Professional and Business Honors pathways. Prerequisite: BA335, BA386, and BA333 or BA334 or BA380; Senior standing and Instructor's consent.
- BA440** (3)  
**ORGANIZATIONAL BEHAVIOR** F/SP  
This course examines psychological aspects of management; analysis of behavior patterns in organizational relationships; integration of individuals and groups into effective, efficient- organizational structures. Prerequisites: BA240 and SO101 or PY101.

- BA441** (3)  
**OPERATIONS AND PROJECT MANAGEMENT** SP  
This is a survey course. The objective of the course is to provide the student with an understanding of those managerial concepts and quantitative tools required in the design, operations, and control of an operation system in any type of an organization. Special emphasis is placed on process management and continuous improvement. Prerequisite: PA205 or MA151 or BA210 with a C grade or better.
- BA443** (3)  
**COMPENSATION, BENEFITS AND PERFORMANCE EVALUATION** F/SP  
This business and public administration management course provides students with theoretical and practical knowledge of the design and implementation of effective compensation, benefits and performance evaluation programs. This course will help prepare students for eventual professional human resource management certification in these areas. Prerequisite: BA241 with a C grade or better or consent of instructor.
- BA444** (3)  
**STAFFING AND EMPLOYEE DEVELOPMENT** F/SP  
This business and public administration management course provides students with theoretical and practical knowledge about recruitment, selections, staffing and employee development. This course will help prepare students for eventual professional human resource management certification in these areas. Prerequisite: BA241 with a C grade or better or Instructor's consent.
- BA/PE446** (3)  
**ENTREPRENEURSHIP: NEW VENTURE CREATION** SP  
This course provides an opportunity to develop a business plan through the application of the principles, theories and practices learned in the previous entrepreneurship courses. Emphasis will be placed on the practicability of the plan and the ability to present the concept as a viable and profitable business venture. Prerequisites: BA242 and BA342 with a C grade or better.
- BA450** (3)  
**TOURISM RESEARCH AND MARKET DEVELOPMENT** SP/Odd Years  
This course examines the innovative and dynamic environment of international tourism marketing. It discusses the nuances of tourism products and services that require the development of distinctive marketing approaches and strategies. It reviews the various techniques utilized to conduct tourism research and the analysis and application of their findings in order to formulate effective marketing plans and remain competitive in the international market place. The Internet will be utilized as a database for market research and as tool for market penetration. Prerequisites: BA260 and BA350 with a C grade or better in both courses.
- BA451** (3)  
**TOURISM/HOTEL INTERNSHIP** F/SP  
This is a trainee, residency, or intern program in which the student works in a technical or professional area under the supervision of an expert in the field. Prerequisite: Instructor's consent.
- BA453** (3)  
**TOURISM POLICY, PLANNING AND DEVELOPMENT** F  
This course examines the numerous issues that a community must consider in establishing and guiding a successful tourism industry. Among the topics are selecting the type of tourism that is most appropriate for a community, the identification and utilization of necessary resources, and the regulation of tourism. Prerequisites: BA240 with a C grade or better.
- BA460** (3)  
**INTERNATIONAL MARKETING** F  
The course covers the principles, practices, and concepts of marketing involved in exporting and importing. Included are studies of tariffs, embargoes, cartels, exchange rates, foreign markets, foreign investments, the role of foreign aid, and related legislation. Prerequisite: BA260 with a C grade or better.
- BA461** (3)  
**MARKETING CHANNEL MANAGEMENT** F/Even years  
This course addresses the principles, functions and analysis of problems in retailing; location and layout; and merchandise planning, buying and selling, organization, expense analysis and control. Prerequisite: BA260 with a C grade or better.

**BA462** (3)  
**MARKETING RESEARCH** F  
This course covers the principles, procedures, and concepts involved in gathering, recording, and analyzing facts about problems relating to the sale and transfer of goods and services from producer to consumer. Included are studies of relation- preparation of commodities for sale, physical distribution, wholesale and retail merchandising, and financial problems. Prerequisites: BA260 and BA310.

**BA463** (3)  
**MARKETING MANAGEMENT** SP  
This course builds on the concepts and theories covered in the introductory, Marketing subjects, as well as those learned in subsequent Marketing course work. As a capstone marketing major course, this course focuses on strategic marketing analysis and planning at both the corporate and SBU levels. Prerequisites: BA260 and BA462 with a C grade or better – Graduating Senior.

**BA480** (3)  
**BUSINESS STRATEGY AND POLICY** F/SP/HYB  
This course is the capstone of the Bachelor of Business Administration (BBA) degree program, integration concepts and skills learned in the BBA Foundation and BBA pathways. Strategic business problems are examined from executive management and firm perspectives. Prerequisite: BA483, Graduating Senior and Instructor’s consent.

**BA481** (3)  
**PRACTICAL APPLICATION IN SMALL BUSINESS MANAGEMENT** F/SP  
This course provides instruction and experience in small business. It addresses both Entrepreneurship and the management of small business operations. The course also has a practical orientation. Students intern for 80 hours with the Guam Small Business Development Center (SBDC), assisting small businesses as defined by the U.S. Small Business Administration. Prerequisites: BA260 and Senior standing.

**BA482abc** (3)  
**BUSINESS SERVICE LEARNING** F/SP  
This is an experiential learning course in which the student works individually or as part of a team in a technical or professional area under the direct supervision of an individual with experience in a major area of business. Depending on their BBA pathway, students select one of the following: (i) BA482a Business Service Learning: Senior Team Field Project, which is available to students in the General Business pathway; (ii) BA482b Business Service Learning: Business/ Research Internship, which is available to students in the Business Professional pathway and the Business Honors pathway; and (iii) BA482c Business Service Learning: Business Formation/ Innovation/ Transformation, which is available to students in the Business Honors pathway. Prerequisites: To register and participate, students must have completed all BBA Foundation requirements. Students are expected to have completed the preponderance of their business coursework with the exception of BA480 Business Policy and Strategy. Senior standing and Instructor’s consent are required. Prerequisites: Senior Standing and Instructor’s consent are required.

**BA483** (2)  
**BUSINESS PROFESSIONAL AND CAREER DEVELOPMENT** F/SP/HYB  
This hybrid, two-credit course provides additional professional development in business fundamentals as well as tools for career development. The course offers online course evaluation and academic leveling modules that refresh, bolster and evaluate student learning in the fundamental business skills of accounting, business statistics, finance, human resources, marketing and operations management. The course provides a variety of practical and challenging career exercises that explore career choice and prepare students for managing their careers.. Prerequisites: BA220, BA241 or BA440, BA260 and BA310.

**BA491** (3)  
**SEMINAR IN MARKETING** F/SP (as required)  
The Seminar provides the opportunity for study and discussion of significant topics and problems in the field of marketing. Prerequisites: BA260 and PA205 or MA151 or BA210.

## BIOLOGY (BI)

### BI100

#### ENVIRONMENTAL BIOLOGY

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. Co requisite: BI100L

(3)  
F/SP

### BI10L

#### ENVIRONMENTAL BIOLOGY LABORATORY

BI100L is the laboratory portion of BI100 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: BI100

(1)  
F/SP

### BI103

#### MARINE BIOLOGY

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

(3)  
SP

### BI103L

#### MARINE BIOLOGY LABORATORY

BI103L is the laboratory portion of BI103 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: BI103

(1)  
SP

### BI110

#### HUMAN BIOLOGY

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. Special focus is on the recent advances in molecular biology, genetic engineering, and gene therapy as a potential cure for human disease. This course includes three hours of lecture weekly. The laboratory, BI 110L must be taken concurrently. Prerequisites: MA085 a-b or MA089 or Placement; EN110 Placement or above; Co requisite: BI110L.

(3)  
As Resources Permit

### BI110L

#### HUMAN BIOLOGY LAB

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. Co requisite: BI110; Prerequisite: MA085 a-b or MA089 or Placement; Placement in EN110 or above.

(1)  
As Resources Permit

### BI124

#### HUMAN ANATOMY AND PHYSIOLOGY I

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 MA 110 (or higher). Co requisite: BI124L.

(3)  
F

### BI124L

#### HUMAN ANATOMY AND PHYSIOLOGY I LABORATORY

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). Co requisite: BI124.

(1)  
F

- BI125** (3)  
**HUMAN ANATOMY AND PHYSIOLOGY II** SP  
This is the second part of a two-semester course in the study of the structure and functions of the systems of the human body. In this part, aspects of the nervous, circulatory, immune, digestive, reproductive, and excretory systems are investigated. The course consists of three hours of lecture weekly. The lab, BI125L, MUST be taken concurrently. Prerequisite: BI124, BI124L and prerequisite or concurrent enrollment in both EN110 and MA110 (or higher) . Co requisite: BI125L
- BI125L** (1)  
**HUMAN ANATOMY AND PHYSIOLOGY II LABORATORY** SP  
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). Co requisite: BI125.
- BI157** (3)  
**PRINCIPLES OF BIOLOGY I** SP  
The first semester of a two-semester course covers basics of evolutionary theory and Sub-cellular through cellular biology. It is required for all biology majors and may be used by others to satisfy the general education requirements. It includes three hours of lecture weekly. The lab, BI 157L, MUST be taken concurrently. Prerequisite: Grade C 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. Co requisite: BI157L.
- BI157L** (1)  
**PRINCIPLES OF BIOLOGY I LABORATORY** SP  
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 in both BI100 and BI100L or concurrent enrollment in both EN 110 and MA110 (or higher). Corequisite: BI157
- BI158** (3)  
**PRINCIPLES OF BIOLOGY II** F  
The second semester of a two-semester course covers the fundamental of organismal through super-organismal biology. It is required of all biology majors and may be used by others to satisfy the general education requirements. It includes three hours of lecture weekly. The lab, 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). Co requisite: BI158L.
- BI158L** (1)  
**PRINCIPLES OF BIOLOGY II LABORATORY** F  
BI158L is the laboratory portion of BI158 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Prerequisite: Grade C or better grade in both BI157 and BI157L or concurrent enrollment in both EN110 and MA110 (or higher). Co requisite: BI158
- BI201** (3)  
**NATURAL HISTORY OF GUAM** As Resource Permit  
This course is a natural history of Guam that includes the development of the Mariana Islands arc, geologic history, physical geography, and a survey of the major groups of plants and animals. The course is presented by using a variety of methods including lectures, slide presentations, field specimen studies and field trips.
- BI225** (3)  
**BASIC MICROBIOLOGY** F  
This course is a survey of the characteristics and significance of microorganisms from environmental, industrial, and medical perspectives. It includes two 2-hour laboratories and 3 hours of lecture weekly. Prerequisites: 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. Co requisite: BI225L

- BI225L** (1)  
**BASIC MICROBIOLOGY LABORATORY** F  
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. Co requisite: BI225
- BI302** (3)  
**PLANT BIOLOGY** F/Even Years  
This course builds on the basic knowledge of plant biology. Students learn the structure and function of various plant groups on a comparative basis, following the timeline of plant evolution. This course is essential for students who are interested in advanced topics in plant science or graduate study using plants as model organisms. Prerequisites: BI157, BI157L, BI158 and BI158L. Co-requisite: BI 302L.
- BI302L** (1)  
**PLANT BIOLOGY LABORATORY** F/Even Years  
BI 302L is the laboratory component of BI 302 and MUST be taken concurrently. The laboratory explores plant forms and levels of organizations with an emphasis on viewing and documenting anatomical features under a microscope. Prerequisites: BI157 & BI157L, BI158 & BI158L. Co-requisite: BI 302.
- BI303** (3)  
**INVERTEBRATE ZOOLOGY** SP/Odd Years  
This course examines the diversity of what are commonly called "animals" from an evolutionary perspective. Initially, the focus will be on how animals are described and classified. Then, diversity of animals will be explored through focus on particular phyla-examining the functional anatomy organ systems, evolutionary relationships, diversity, developmental patterns, and how they live their lives. The last portion of the course will examine first chordates. The course includes 3 hours of lecture each week. The lab (BI303L) must be taken concurrently. Prerequisite: BI157, BI157L and BI158, BI158L. Co requisite: BI303L
- BI303L** (1)  
**INVERTEBRATE ZOOLOGY LAB** SP/Odd Years  
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. Co requisite: BI303.
- BI310** (3)  
**EVOLUTION** SP  
This course is an introduction to the modern theory of evolution. The focus of the course is on the mechanisms that cause the evolution of adaptations and new species. The pattern of evolution in the fossil record is analyzed to understand the causes of speciation and extinction patterns. The ability of evolutionary theory to inform studies in other areas of biology (such as genetics, morphology, and ecology) is stressed. The course consists of three hours of lecture weekly. Prerequisite: Grade of C or better in BI157, BI157L, BI158, BI158L and BI315, BI315L.
- BI315** (3)  
**GENERAL GENETICS** F  
Basic principles of heredity, including biochemical genetics and population aspects, are covered. The course includes three hours of lecture weekly. The lab, BI315L, MUST be taken concurrently. Prerequisite: Grade of C or better in BI157, BI157L and (or concurrent enrollment in) BI158, BI158L. Co requisite: BI315L.
- BI315L** (1)  
**GENERAL GENETICS LABORATORY** F/Odd Years  
BI315L is the laboratory portion of BI315 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI315.
- BI320** (2)  
**SCIENTIFIC REPORT WRITING** SP  
Effective use of scientific data, literature and presentation software to write, illustrate and orally present a structurally correct and cohesive report using scientific format and the appropriate discourse genres for each section. Prerequisites: BI321 and EN111.

- BI321** (2)  
**SCIENTIFIC ARGUMENTS** SP  
Writing and analyzing *scientific* arguments for effectively presenting scientific work, career aspirations and for getting accepted to graduate school. Prerequisites: BI310.
- BI333** (3)  
**COMPARATIVE VERTEBRATE ANATOMY** F/Odd Years  
This course is a study of the basic morphology of vertebrates, with lecture emphasis on the evolution of vertebrate systems and laboratory emphasis on dissection of these systems in selected vertebrates. It includes three hours of lecture weekly. The lab, BI333L, MUST be taken concurrently. Prerequisite: BI157, BI157L, BI158-158L and BI310. Co requisite: BI333L
- BI333L** (1)  
**COMPARATIVE VERTEBRATE ANATOMY LABORATORY** F/Odd Years  
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. Co requisite: BI333
- BI/AL345** (3)  
**GENERAL ENTOMOLOGY** F/Odd Years  
This course is an overview of insect biology with emphasis on fundamental problems encountered by insects, and the structural and functional adaptations used to overcome these problems. The laboratory focuses on insect identification. The course meets for three hours of lecture weekly. Concurrent enrollment in AL/BI345L is required. **Prerequisites:** BI157/L or AL109/L or AL281/L.
- BI/AL345L** (1)  
**GENERAL ENTOMOLOGY LABORATORY** F/Odd Years  
This course is a co-requisite 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.
- BI350** (3)  
**ETHOLOGY** SP  
This course is an introductory survey of the field of Ethology. Ethology is the study of animal behavior, particularly under natural conditions. It encompasses proximate (genetic, neurophysiological) and ultimate (evolutionary) causes of animal behavior, and employs both field and laboratory research approaches. The course will show the influence of genetics, physiology, ecology, and the natural selection, and evolution on the expression of behavioral traits. This course consists of three hours of lecture per week. The lab, BI350L, MUST be taken concurrently. Prerequisites: BI157, BI157L, BI158, BI158L, BI310 (or concurrent enrollment) and Instructors consent. Co requisite: BI350L.
- BI350L** (1)  
**ETHOLOGY LABORATORY** SP  
BI350L is the laboratory portion of BI350 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co-requisite: BI350.
- BI365** (3)  
**TAXONOMY OF VASCULAR PLANTS** F/Odd Years  
This course covers the concepts and practices of modern plant systematics, emphasizing on Guam vascular plants identification, computational algorithms in bioinformatics and molecular phylogeny reconstruction, and species concept differentiation. The lab, MUST be taken concurrently. This course is particularly useful for students interested in evolutionary biology, conservation biology, ecological and environmental consultancy, or natural resource management. Prerequisites: BI310. Co-requisite: BI365L.
- BI365L** (1)  
**PLANT SYSTEMATICS LABORATORY** SP/Even Years  
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. Co requisite: BI365.



**BI380** (3)  
**OCEANOGRAPHY** FA  
This course is an introductory survey of the biological, physical, chemical, geological, and meteorological aspects of the oceans and their basins including a history of oceanographic studies and techniques. The course consists of three hours of lecture weekly. The lab, BI380L, MUST be taken concurrently. Prerequisite: BI 100, BI100L, BI157, BI157L, BI158 and BI158L or equivalent and MA161a or higher. Co requisite: BI380L

**BI380L** (1)  
**OCEANOGRAPHY LAB** FA  
BI380L is the laboratory portion of BI380 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI380.

**BI392** (1-3)  
**LABORATORY TEACHING AND ASSISTING** F/SP  
This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisites: Completion of the course in which the laboratory is offered, or of an equivalent course, and consent of instructor.

**BI410** (3)  
**ECOLOGY** SP  
A study of fundamental concepts and methods of ecology illustrated by the examination of local natural systems; vegetational, faunal, and physical factors of the environment are considered. The course includes three hours of lecture weekly and six hours of laboratory weekly. Prerequisites: 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.

**BI410L** (2)  
**ECOLOGY LAB** SP  
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. Co requisite: BI410.

**BI412** (3)  
**BIOMETRICS** F  
This is a basic course in the design and analysis of biological experiments. Emphasis is given to analysis of biological and medical data. The course consists of three hours of lecture weekly. The lab, BI412L MUST be taken concurrently. Prerequisite: MA115 and BI321. Co requisite: BI412L

**BI412L** (1)  
**BIOMETRICS LABORATORY** F  
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. Co requisite: BI412

**BI416** (3)  
**CELLULAR & MOLECULAR BIOLOGY** SP  
This course focuses on the advanced molecular cell biology approaches including recombinant DNA technology, advanced microscopy, protein interaction technologies, and model in vivo & in vitro experimental systems that have led to an unprecedented level of understanding of the structure and function of the cell, the fundamental unit of life. Student will learn to find rational explanations and unifying concepts from a large and rapidly evolving body of knowledge, in order to understand the mechanism by which the cell functions as well as the molecular basis of disease. Principle topics include cellular macromolecules & regulatory factors, membrane structure & membrane transport, cell nucleus & gene expression, cell signaling, the immune system, and cancer biology. This course prepares students for careers in bio-medical research, medicine, biotechnology & agriculture related industry. The lab, BI416L MUST be taken concurrently. Prerequisites: CH102, CH102L, CH103, CH103L, BI315 & BI315L. Corequisite: BI416L.

**BI416L** (1)  
**CELLULAR & MOLECULAR BIOLOGY LABORATORY** SP  
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. Co requisite: BI416

**BI/CH419** (3)  
**BIOCHEMISTRY** SP  
This course covers the principles of protein chemistry and enzyme nomenclature, catalysis, kinetics, and control. It includes three hours of lecture weekly. The lab, BI/CH419L, MUST be taken concurrently. Prerequisite: CH310a, CH311, CH310b and CH312 or concurrent enrollment, Co requisite: BI/CH419L

**BI/CH419L** (1)  
**BIOCHEMISTRY LABORATORY** SP  
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 Co requisite: BI/CH419.

**BI425/G** (3)  
**MOLECULAR MEDICINE** SP/Odd Years, As Resources Permit  
This course is designed for students who are planning on entering graduate and professional programs in the biological and medical sciences or careers in the 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. Co requisite: BI425/G/L.

**BI425/L** (2)  
**MOLECULAR MEDICINE LABORATORY** SP/Odd Years, As Resources Permit  
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. Co requisite: BI425.

**BI/AL430** (3)  
**SCIENTIFIC PHOTOGRAPHY** SP/Even Years  
Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. This course includes two hours of lecture and three hours of laboratory; weekly. Laboratories will either be field activities or hands-on experience in the classroom. AL/BI430L is the laboratory portion of AL/BI430 and MUST be taken concurrently. Co requisite: AL/BI430L.

**BI/AL430L** (1)  
**SCIENTIFIC PHOTOGRAPHY LAB** SP/Even Years  
Photography is one of the primary means through which scientific observation and research is documented and presented to colleagues and the public. By developing technical observational and aesthetic skills, students will learn how to extract relevant information from nature using macro-photography, photomicrography, special techniques and digital processing. Students will learn the basics of photography and the use of a computer as the digital darkroom. BI/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. Co requisite: BI/AL430.

**BI440** (3)  
**ICHTHYOLOGY** SP/Even Years  
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. Co requisite: BI440L

**BI440L** (1)  
**ICHTHYOLOGY LABORATORY** SP/Even Years  
BI440L is the laboratory portion of BI440 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: BI440.

**BI474** (4)  
**MARINE BOTANY** SP/Odd Years  
This course provides students an in-depth exploration of the marine plants in the region with an emphasis on how the physiology and ecology of seaweeds and microalgae relate to environmental conditions in the sea. Prerequisites: BI302.

## CHEMISTRY (CH)

### CH100

(3)

#### INTRODUCTION TO INORGANIC CHEMISTRY

F/SP

This is a one-semester course for students preparing for technical training in natural sciences or laboratory work. The course covers the elementary principles of inorganic chemistry emphasizing nomenclature, stoichiometry, and solution chemistry. It includes three hours of lecture weekly. The lab, CH100L, MUST be taken concurrently. Prerequisite: Completion of MA085 a-b or MA089. Co requisite: CH100L

### CH100L

(1)

#### INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY

F/SP

CH100L is the laboratory portion of CH100 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co-requisite: CH100

### CH101

(3)

#### INTRODUCTION TO ORGANIC CHEMISTRY

F/SP

This course covers basic concepts in organic chemistry and is tailored for students preparing for technical training in the natural sciences. The course covers the chemical and physical properties of simple carbon compounds and its applications. Co-requisite: CH101L. Prerequisite: CH100 and CH100L, or consent of instructor.

### CH101L

(1)

#### INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY

F/SP

CH101L is the laboratory component of CH101 and must be taken concurrently. The course consists of one three-hour laboratory period per week. Co-requisite: CH101 Prerequisite: CH100 and CH100L.

### CH102

(3)

#### GENERAL CHEMISTRY

F

This course is designed for science majors and minors and emphasizes an in-depth study of modern chemical principles, theories, and laws pertaining to atomic structure, nature of the chemical bond, and stoichiometric considerations of all aspects of inorganic chemistry. It includes three hours of lecture weekly. The lab, CH102L, MUST be taken concurrently. Prerequisite: Demonstrated proficiency at the MA161 level or concurrent enrollment in 161a. Co requisite: CH102L

### CH102L

(1)

#### GENERAL CHEMISTRY LABORATORY

F

CH102L is the laboratory portion of CH102 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: CH102

### CH103

(3)

#### GENERAL CHEMISTRY

SP

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). Co requisite: CH103L.

### CH103L

(1)

#### GENERAL CHEMISTRY LABORATORY

SP

CH103L is the laboratory portion of CH103 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: CH103

### CH110

(3)

#### CHEMISTRY AND SOCIETY

F/DE

This is an introductory course that covers a broad perspective on the knowledge and insights that chemistry provide to our environment and society. The course will offer online (via Moodle platform) and will highlight topics related to basic principles of chemistry, modern applications of chemistry, and environmental issues of chemistry. It is intended for non-science major students who might not have a background in chemistry. Instructors consent.

- CH110L** (1)  
**CHEMISTRY AND SOCIETY LABORATORY** F/DE  
This course introduces students to the fundamental of scientific method. Students will conduct experimentation through a virtual laboratory and produce laboratory report online. The laboratory exercises will complement the topics covered in the theory, including, gas laws, stoichiometry, acids and bases, and quantitative analysis. Other topics that demonstrate the relevance of chemistry in our everyday experience will be included as needed. All the labs will be conducted online (virtually) at [www.latenitelabs.com](http://www.latenitelabs.com), which is a well-established platform for conducting virtual experiments and currently used by Schools and Universities in USA. Co requisite: CH110
- CH310a-b** (3-3)  
**ORGANIC CHEMISTRY** a-F,b-SP  
This is a full-year lecture sequence covering the general principles of organic chemistry with emphasis on structure, stereochemistry, nomenclature, basic reactions and mechanisms and the occurrence and uses of main classes of compounds. Prerequisite: CH103-103L.
- CH311** (2)  
**BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY** F  
This course consists of laboratory work in organic chemistry with emphasis on the development of manipulative skills in such techniques as distillations, reduced pressure fractionations, chromatography, and crystallization, and constructions of apparatus utilized in the preparations, purification, identification and study of simple organic compounds. Six hours of laboratory are held per week. Co requisite: CH310a.
- CH312** (2)  
**LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY** SP  
This course is a continuation of CH311 with emphasis on continued development of manipulative skills as required by preparation, purification, identification and study of more complex organic compounds. It consists of six hours of laboratory work per week. Prerequisite: CH311. Co requisite: CH310b
- CH330** (3)  
**QUANTITATIVE ANALYSIS** F/Odd Years  
This course is a study of select quantitative schemes as utilized in volumetric and gravimetric analyses with emphasis upon acquiring an understanding of the basic theoretical principles involved. Laboratory emphasis is on the development of useful techniques consistent with the present state of the art and reduction to laboratory practice of the theories studied. It includes three hours of lecture weekly. The lab, CH330L, MUST be taken concurrently. Prerequisite: CH103-103L Co requisite: CH330L.
- CH330L** (2)  
**QUANTITATIVE ANALYSIS LABORATORY** F/Odd Years  
CH330L is the laboratory portion of CH330 and MUST be taken concurrently. The course consists of six hours of laboratory work per week. Co requisite: CH330
- CH350** (3)  
**FOUNDATIONS OF PHYSICAL CHEMISTRY** F  
This is a one-semester lecture course covering the basic principles and general applications of physical chemistry. Laws of thermodynamics, thermochemical equilibria, ionic equilibria, phase equilibria, chemical kinetics, electrochemistry, surface chemistry, photochemistry, basic spectroscopy/ imaging and macromolecules are studied. It includes three hours lecture weekly. Prerequisites: MA203, CH103, CH103/L. Co-requisite: CH350L
- CH350L** (1)  
**FOUNDATIONS OF PHYSICAL CHEMISTRY LABORATORY** F  
This course is the laboratory component of CH3 50. It covers the experimental exercise that relates to the topics dealt with in the lecture. Topics covered will include thermodynamics, kinetics, spectroscopy, equilibrium, acid-base equilibrium, and electrochemistry. Prerequisites: MA203, CH103, CH103/L. Co-requisite: CH350
- CH/NS392** (1-3)  
**LABORATORY TEACHING AND ASSISTING** F/SP  
This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisite: Completion of course in which laboratory is offered, or of an equivalent course and consent of instructor.

- CH410** (3)  
**INSTRUMENT METHODS OF ANALYSIS** SP/Even Years  
This course is a study of potentiometric, colorimetric, spectrophotometric, polarographic, calorimetric and other instrument methods of analysis, as available. Emphasis is on practical utilization of instrumentation in the field of analytical chemistry. It includes three hours of lecture weekly. The lab, CH410L, MUST be taken concurrently. Prerequisites: CH310a-b, 311, 312, 330, and MA161a-b or consent of program. Co requisite: CH410L
- CH410L** (2)  
**INSTRUMENT METHODS OF ANALYSIS LABORATORY** SP/Even Years  
CH410L is the laboratory portion of CH410 and MUST be taken concurrently. The course consists of six hours of laboratory work per week. Co requisite: CH410.
- CH/BI419** (3)  
**BIOCHEMISTRY** SP/Odd Years  
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.
- CH/BI419L** (1)  
**BIOCHEMISTRY LABORATORY** SP/Odd Years  
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: BI/CH419. Co requisite: CH/BI419
- CH420** (3)  
**NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY** F  
Principles and applications of NMR spectroscopy, utilizing examples from organic, inorganic, and biological chemistry are covered. The course involves three hours of classroom study per week. Prerequisites: CH310a-b, CH312, MA204 and consent of instructor.
- CH430** (3)  
**INORGANIC CHEMISTRY** SP/Even Years  
This course is a study of topics such as bonding models in inorganic chemistry, structure and reactivity of the covalent bond, experimental determination of molecular structure, chemical forces, coordination chemistry from theoretical, structural and reaction mechanistic perspectives, chemical applications of group theory and molecular symmetry. It includes three hours of lecture per week. Prerequisites: CH103-103L, MA204 or consent of program.
- CH450a-b** (4-4)  
**PHYSICAL CHEMISTRY** a-F/Even Years, b-SP/Odd Years  
This is a full-year lecture sequence covering the application of physical principles to chemistry with theoretical, mathematical treatment. Laws of thermodynamics, thermochemical equilibria, ionic equilibria, phase equilibria, chemical kinetics, quantum theory, molecular structure, statistical mechanics, electrochemistry, surface chemistry and photochemistry are studied. It includes four hours lecture weekly. Prerequisites: MA203, MA204 and MA205 or consent of program.
- CH451** (2)  
**PHYSICAL CHEMISTRY I LABORATORY** SP/Odd Years  
This course covers the mathematical tools normally utilized in experimental physical chemistry and experimental contact with thermodynamics, chemical equilibrium, chemical kinetics, and phase equilibrium. It consists of six hours of laboratory weekly. Prerequisite: Consent of program.
- CH491** (1-2)  
**CHEMISTRY SEMINAR** F/SP  
This is a course designed to familiarize the student with research or reviews and surveys of chemical literature. Students will conduct research on selected topic using chemical literature and present the findings in a seminar presentation. Students may also choose to prepare a seminar paper in addition to the seminar presentation for 2 credits. It may be taken more than once for credit with the consent of the program. Prerequisites: Upper division status and consent of program.
- CH495/G** (4)  
**RESEARCH METHODS IN CHEMISTRY** As Resources Permit  
This course will provide students with in depth research experience in a specific topic in chemical sciences. Students will undertake a project on the selected topic under the close guidance of a selected faculty. The research methods will involve

the formulation of a hypothesis, conducting a literature survey, writing of project proposal, designing and conducting experimentation, data collection and analysis, and presentation of results. Students will be required to write a full project report and present their data at a seminar or conference at the end of the course. The experimental requirement for this research course will require advanced planning and preparation. Thus students planning to take this course are strongly advised to inform the chair of the program and the instructor at least one semester prior to taking this course. Prerequisites: 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.

## CHAMORRO STUDIES (CM)

**CM101** (4)  
**ELEMENTARY CHAMORRO** F/SP/ HYB  
This is a beginning course with emphasis on oral-aural competency.

**CM102** (4)  
**ELEMENTARY CHAMORRO II** SP  
This is a continuation of CM101. Emphasis is on improving and adding to the oral-aural competency gained in CM101. Reading in the Chamorro language is also introduced, and more complex language structures and concepts are taught. Prerequisite: CM101; two-year high school Chamorro, or consent of instructor.

**CM110** (3)  
**INTRODUCTION TO CHAMORRO STUDIES** F/SP  
This course will introduce students to the interdisciplinary approach to Chamorro Studies as a community engaged academic discipline. It provides a broad survey of major issues and concerns specific to Chamorro society in both historical and contemporary contexts. The course emphasizes Chamorro 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 Chamorro Studies with the communities, organization, and efforts outside of the university campus.

**CM201** (4)  
**INTERMEDIATE CHAMORRO I** F  
This is an intermediate level Chamorro 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 Chamorro 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.

**CM202** (4)  
**INTERMEDIATE CHAMORRO II** SP  
CM202 is the second semester, second year Chamorro course, which is a continuation of CM201 Intermediate Chamorro 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

**CM210** (3)  
**CHAMORRO STUDIES AND PRACTICES** F/SP  
This course explores Chamorro 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.

**CM302** (4)  
**ADVANCED CHAMORRO II-WRITING** SP/Odd Years  
This course emphasizes writing competency, further development of oral-aural skills, and the syntactical and semantic structures of the Chamorro language, and Chamorro orthography. Prerequisites: CM202 and CM301 or consent of instructor.

**CM301** (4)  
**ADVANCED CHAMORRO I-READING** F/Even Years  
This course emphasizes reading competency, further development of oral-aural skills, and the phonological and morphological structures of the Chamorro language. Prerequisites: CM201 and CM202 or consent of instructor.

**CM302** (4)  
**ADVANCED CHAMORRO II-WRITING** **SP/Odd Years**  
This course emphasizes writing competency, further development of oral-aural skills, and the syntactical and semantic structures of the Chamorro language, and Chamorro orthography. Prerequisites: CM202 and CM301

**CM340** (3)  
**CHAMORU CULTURE** **F/DE**  
This course critically examines and re-evaluates historic and contemporary representation of Chamorro culture. Dance, music, change, storytelling, graphic and textile art, 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 Chamorro cultural renaissance of the 21<sup>st</sup> century. Prerequisites: CM102 and CM110, or consent of instructor.

**CM412** (3)  
**TOPICS IN CHAMORRO STUDIES** **SP/Odd Years**  
This course is an intensive study of a specific topic or theme relative to historical analysis of the Mariana Islands colonial legacy and contemporary issues including Chamorro 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.

**CM491** (3)  
**CHAMORRO STUDIES SENIOR CAPSTONE** **SP/Odd Years**  
The senior capstone course provides an opportunity for students to complete a capstone project that integrates the learning objectives identified by the Chamorro 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 Chamorro language. Prerequisites: CM302 and consent of Instructor.

## COMMUNICATION (CO)

**CO106** (3)  
**INTRODUCTION TO MASS COMMUNICATION** **F/S/DE/ HYB/DE**  
This course is a survey of the history, theory, and practice of mass media in Guam, the United States, and the world.

**CO200** (3)  
**VOICE AND ARTICULATION** **F/SP**  
This course is a study of the speech mechanism and how it functions. It emphasizes phonetics and Standard American English pronunciations, as well as changes in the speaking voice. It is especially designed for education majors, non-native speakers of English, and those who desire improvement in their speaking performance.

**CO228** (3)  
**FILM AND TELEVISION CRITICISM** **F**  
This course is 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

**CO210** (3)  
**FUNDAMENTALS OF COMMUNICATION** **F/SP**  
This course introduces students to public speaking and person-to-person communication, as well as to group and intercultural communication. Students learn about basic speech preparation and delivery, as well as effective communication skills suited to the people with whom they interact in a variety of everyday contexts. Oral presentations may include demonstrative, informative, and/or persuasive speeches of 6-8 minutes in length. Prerequisites: EN110 placement.

**CO220** (3)  
**LISTENING BEHAVIOR** **SP/Even Years**  
This course is the study of the theory and practice of human listening. It is designed to assess individual listening behavior and to apply principles of listening for self-improvement. Prerequisite: CO210 or consent of instructor.

- CO226** (3)  
**REPORTING AND WRITING THE NEWS** F  
The theory and practice in gathering and presenting news for the print media is covered in this course. Students work may appear in the Triton's Call. Prerequisite: EN110 placement.
- CO236** (3)  
**BROADCAST PRODUCTION** F  
This course is an examination of the various elements involved in television production. It includes lab experiences and hands on group production exercises and projects. Students will become familiar with single camera digital cinematography, lighting, audio for video/film, and non-linear editing using Adobe Premiere. Multiple-camera studio techniques are also introduced. Students will complete projects eligible for the University of Guam International Film Festival.
- CO240** (3)  
**PHOTO JOURNALISM** F/Even Years  
Production, selection and use of photographs in newspaper and magazines are covered in this course. Students must have 35 mm camera. Prerequisite: CO226 or consent of instructor.
- CO250** (3)  
**ARGUMENTATION** F  
This course covers the theory of reasoned discourse, the principles of critical thinking, and the practice of argumentation and advocacy as applied in public discussion and debate of controversial issues.
- CO310** (3)  
**INTERCULTURAL COMMUNICATION** SP  
This course presents the theory and insights into the practice of communication between persons of variant cultures. It focuses on building intercultural communication competence by gaining an understanding of differences in communication behaviors, expectations and values. Prerequisite: CO210, EN110.
- CO320** (3)  
**INTERPERSONAL COMMUNICATION** SP/Even Years  
The theory and practice of interpersonal interaction, including personal growth, cooperation, conflict, negotiation and gaming, are covered in this course. Prerequisite: CO210.
- CO326** (3)  
**ADVANCED REPORTING** SP/Even Years  
This course covers the theory and practice of special news gathering skills; including investigative reporting, feature writing and precision journalism. Prerequisite: CO226.
- CO327** (3)  
**ADVERTISING IN THE MASS MEDIA** F  
This course is an in-depth examination of advertising's impact on society and how mass communication advertisements are created. It covers the history, concepts and strategies of advertising, as well as creation and placement of mass media messages. Prerequisite: CO106 or consent of instructor.
- CO330** (3)  
**SMALL GROUP COMMUNICATION** F/Odd Years  
This course focuses on the skills involved in the processing of information, making of decisions, leadership, control, and conflict resolution in problem-solving discussions. Prerequisite: CO210.
- CO336** (3)  
**BROADCAST JOURNALISM** SP  
This course covers the theory and practice of writing and presenting news for the broadcast media. It includes individual and group projects in writing, reporting and interviewing techniques. Prerequisite: CO236, concurrent enrollment or consent of instructor.
- CO340** (3)  
**PERSUASION** F/Even Years  
Persuasion covers the use of persuasive techniques in a variety of communication settings, ranging from public speaking situations to consumer contact with the mass media. Prerequisite: CO210.



**CO350**

**PUBLIC SPEAKING**

(3)  
**SP**

Public Speaking covers the theory and study of rhetoric in public settings. The course is designed to assess individual public speaking behaviors and apply principles of rhetoric for improvement in speech preparation and delivery. Prerequisite: CO210 or consent of instructor.

**CO355**

**COMMUNICATION FIELD EXPERIENCE**

(3)  
**F/Odd Years**

This course offers advanced practical experience in communication including on-campus activities such as organizing speech forum activities and other UOG extracurricular academic activities, speaker's bureau, as well as off-campus activities in forensic tournament judging, public relations, or other field experiences. Prerequisite: CO210 and completion of or concurrent enrollment in CO250 or CO350.

**CO356**

**EDITING AND LAYOUT DESIGN**

(3)  
**As Resources Permit**

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.

**CO357**

**MEDIA COMPUTER GRAPHICS**

(3)  
**SP/Odd years**

This is an upper division course emphasizing digital image manipulation, photography editing and use of computer photography editing software. Complementary to CO240 Photojournalism and CO356 Editing and Layout Design. Semester projects may include work on the campus newspaper, *Triton's Call*, and other projects at the discretion of the instructor. Prerequisite: CO236 Broadcast Production.

**CO360**

**PUBLIC RELATIONS IN BUSINESS AND PROFESSIONS**

(3)  
**F/Even Years**

This is an introductory survey and skill course in basic public relations among various interest groups, i.e., commercial, educational, private and governmental sectors. Prerequisite: CO210.

**CO370**

**ORGANIZATIONAL COMMUNICATION**

(3)  
**SP/Odd Years**

This course provides an overview of the various theories and approaches which have been developed to understand human processes in organizations. It focuses on the impact of globalization and emerging communication technology on organizational processes, as well as the influence of organizational structure and hierarchy on communication and other organizational outcomes. Prerequisite: CO210.

**CO385**

**PRINT MEDIA EXPERIENCE**

(3)  
**F/SP**

This course provides students with practical on-campus journalism experience. Students work on the university newspaper, *Triton's Call*, under faculty supervision, reporting and writing on events relevant to the University community. Prerequisite: CO226 or concurrent enrollment.

**CO386**

**MASS MEDIA EXPERIENCE: BROADCASTING**

(3)  
**As Resources Permit**

This course provides students with practical experience at local media outlets and the opportunity to apply knowledge gained in their previous courses to a real-world work environment. Prerequisite: CO236 or concurrent CO236 or consent of the instructor.

**CO398**

**COMMUNICATION INTERNSHIP**

(3)  
**F/SP**

This upper division course provides an optional, practical internship experience for students which will enhance their preparation for the professional world. Each student works 90 hours as an intern at a local business, organization, or government agency while also meeting with Instructor to integrate their educational knowledge and skills with their external experience. Prerequisites: 12 credit hours of Communication courses, junior standing or consent of instructor.

**CO410**

**SPECIAL TOPICS IN COMMUNICATION STUDIES**

(3)  
**As Required**

This course provides the opportunity for intensive study of a specific area of communication theory and practice. It may be repeated for credit, with transcript showing the topic studied.

**CO412** (3)  
**INTERPRETIVE JOURNALISM** SP/Odd Years  
The course focuses on writing news analysis, editorials, columns and critical reviews. Student work is submitted for publication in Triton’s Call and/or local media. Prerequisite: CO226 Recommended: CO250 and EN319.

**CO426** (3)  
**DOCUMENTARY PROCESS** SP/Even Years  
This course enables students to learn the processes by which historical, social, cultural events and/or phenomena are prepared for presentation on public media. Emphasis is on research, writing, and production concepts. Prerequisite: CO106, CO236 or consent of instructor.

**CO450** (3)  
**COMMUNICATION THEORY AND RESEARCH** F/Odd Years  
This course is a survey of classical and recent communication theory and research, with emphasis on pertinent speech and mass communication professional literature, resources, and organizations, theory of scientific observation, methodology, and research, and modern Communication theory and research trends. Prerequisites: 6 credits of upper division communication courses.

**CO491** (3)  
**CURRENT ISSUES IN COMMUNICATION AND SOCIETY** F/SP  
This seminar examines appropriate communication behavior. The discussions explore the need for ethical guidelines in all venues of communication with particular emphasis on conflict resolution, consensus reaching, and team-building. The seminar offers alternatives to the Western model of “communication as a contest.” This course is a capstone for Communication majors in that it integrates key concepts from other courses as well as skills learned through the general education program. Prerequisites: CO210. Senior- level status.

**CO498** (3)  
**COMMUNICATION INTERNSHIP** F  
This course is designed as a “bridge” experience between the academic and professional worlds for Communication majors in their senior year. It offers students advanced training in professional skills prior to graduation. Each student works a number of hours each week as an intern at a local business or agency, while also meeting with the Instructor for cognitive integration of their learning experiences. Prerequisite: 18 credit hours of Communication courses, senior standing.

## COMPUTER SCIENCE (CS)

*Note: Computer Science Majors must complete CS-201 and CS-202 courses prior to taking upper CS courses.*

**CS200** (3)  
**COMPUTER APPLICATIONS AND LAB** F/SP  
The course covers preparation, storage, and processing of data, documents, and illustrations; graphing, manipulating and simple analysis of data; computer- to-computer communications and file transfers; use of UOG network resources; and introduction to computer languages. Prerequisite: MA085 a-b or MA089 or math placement or consent of instructor.

**CS201** (4)  
**PROGRAMMING I** F/SP  
This course introduces high level computer programming languages with emphasis on program design, coding, debugging, testing, and proper documentation with applications. Prerequisite: CS200, MA161a/MA165 or consent of instructor.

**CS202** (4)  
**PROGRAMMING II** F/SP  
This course introduces problem-solving methods by using an object-oriented programming language. Topics include data types, decisions and loops, objects and classes, arrays and array-lists, algorithms and methods, encapsulation and polymorphism, inheritance and interface, graphical user interfaces, and exception handling. Prerequisites: CS200 and CS201; or consent of instructor.

**CS303** (3)  
**DATA STRUCTURES AND ALGORITHM ANALYSIS** F/SP  
The course covers the following concepts: Basic data structures; graph, search paths and spanning trees; algorithm design and analysis of sorting, merging and searching; memory management, hashing, dynamic storage allocation; integration of data structures into system design. Prerequisite: CS202 or consent of instructor.

- CS305** (3)  
**ASSEMBLY LANGUAGE AND COMPUTER ORGANIZATION** F  
This course covers the organization and structure of the major components of a modern computer: combinational circuits, sequential circuits, simulation of circuits, coding, computer organization and architecture, including a detailed study of a micro-computer or minicomputer and the use of Assembly language. Prerequisite: CS202 and CS303, or consent of instructor.
- CS315** (3)  
**INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS** SP  
This course covers the following concepts: Definition of file components, access methods and file operations; algorithms for efficient implementation of data structures; characteristics of bulk storage media for mainframe and microcomputer or minicomputer; introduction to database management systems. Prerequisite: CS202 or consent of instructor.
- CS360** (3)  
**INTRODUCTION TO OPERATING SYSTEMS** F  
This course covers the following concepts: Operating system history and services; file systems; memory management; process management-concurrent processes, communication, semaphores, monitors, deadlocks; resource management processor and disk scheduling; security and protection systems. It meets for three hours lecture and three hours laboratory weekly. Prerequisite: CS202, CS303 or consent of instructor.
- CS365** (3)  
**COMPUTER ARCHITECTURE** SP  
This course is an in-depth analysis of one or more operating systems, system data structure, hardware architecture, interrupt handling. Other topics may include parallel hardware architectures and performance analysis. Prerequisite: CS202 CS303 and CS305, or consent of instructor.
- CS380** (3)  
**ORGANIZATION OF PROGRAMMING LANGUAGES** F  
The course examines general concepts of programming languages; scope and binding rules, applications and implementation of language concepts, including the study of two or more of the languages: ADA, ALGOL, PL/1, MODULA-2, SNOBOL, LISP, C and PASCAL. Prerequisite: CS202 and CS303, or consent of instructor.
- CS403** (3)  
**DATA COMMUNICATION AND NETWORKING** SP  
The course covers the following concepts: Data communication and network concepts; protocol and standards; distributed computing; local and wide area networks. Prerequisite: CS202; and CS303 and CS360 or consent of instructor.
- CS425** (3)  
**SYSTEMS ANALYSIS & DESIGN** F/SP  
Systems Analysis and Design describes a well-defined process for developing information technology, people, and data resources to support business goals and requirements. Prerequisites: CS315, CS380, CS403 or consent of instructor.
- CS431** (3)  
**ADVANCED TOPICS IN COMPUTING** F  
This course is a study of selected topics in computing and information systems, such as computer graphics, computer modeling, information modeling, software engineering, design and analysis of software. With different subject matter, it may be repeated for credit. Prerequisites: Junior/senior level standing in computer science CS202 and CS303, or consent of instructor.
- CS492** (3)  
**PRACTICUM IN COMPUTER SCIENCE** F/SP  
This is a project-oriented course in computer science for seniors. All projects will be chosen by students or assigned by the professor. This guided work will be supervised by a qualified professor or project director. Students need to submit project reports at regular intervals.

**CS498  
COMPUTER SCIENCE INTERNSHIP**

**(4)  
SP**

This course provides senior students a whole-semester internship opportunity. Students can obtain practical training experiences in the fields of computer science or computer information systems, such as computer networks, database management, computer system management, and software design and implementation. During the semester, students work in a technical or professional area under the supervision of an expert in the field. Prerequisite: C or better in CS315, CS360 and CS403.

**CRITICAL THINKING**

**CT101  
CRITICAL THINKING**

**(3)  
F/SP**

This is an interdisciplinary foundation course in critical thinking. Students learn how to analyze, critically evaluate and construct arguments, detect common fallacies in reasoning, and propose logical and creative solutions to complex problems. Critical thinking skills are valuable in all disciplines and will benefit students in academic contexts and in life. Co requisites: EN109 or the equivalent.

**EDUCATION (ED)**

*NOTE: Education courses are offered on a regular basis as indicated following each course title. Students are responsible for planning their programs with their advisors so that they meet the prerequisites of advanced courses. -Special Education Majors must complete ED215 and ED292 prior to taking higher-level Special Education courses.*

**ED110  
INTRODUCTION TO TEACHING**

**(3)  
F/SP**

This course assists the prospective teacher in evaluating personal qualifications in the light of criteria for successful classroom teaching and helps the student make a well informed decision for or against a career in teaching. It is open only to students with less than 60 hours earned college credit. Concurrent enrollment in ED192 is recommended.

**ED192  
PRACTICUM: OBSERVATION AND PARTICIPATION**

**(1)  
F/SP**

This course provides prospective teachers with the opportunity to work with children and/or youth by a gradual induction into the classroom prior to taking professional education courses. It familiarizes students with the responsibilities of a teacher, materials and the general operation of the school. Students spend three hours per week in classrooms as an observer under a cooperating teacher. Students also participate in a weekly seminar. Concurrent enrollment in ED110 is recommended. (Grading System: P- NC)

**ED201  
HUMAN GROWTH AND DEVELOPMENT**

**(3)  
F/SP**

This course covers human growth and development with special emphasis on the formative and school years of the child. Through observation of children in the school and elsewhere, patterns of development and the impact of school on the child are studied. Prerequisite: PY101.

**ED215  
INTRODUCTION TO EXCEPTIONAL INDIVIDUALS**

**(3)  
F/SP**

This is an introductory course that investigates exceptionalities, including gifted as well as disabling conditions. This course will focus on types of exceptionalities, etiological factors, dynamics, incidence, and the psychological implications of the various exceptionalities on the individuals, the family, including those with culturally and linguistically diverse backgrounds, and the social environment. Special Education majors must complete ED215 and ED292 prior to taking higher-level Special Education courses.

**ED265  
CULTURE AND EDUCATION IN GUAM**

**(3)  
F/SP**

This is a study of Guam's cultural development focusing on periods of intense cultural conflict and interchange. It focuses on the island and the concomitant implications for educators. Differing educational approaches to the cultural environment, both past and present, are explored. It meets the Guam teacher certification requirement in culture or history.

- ED271** (3)  
**TECHNOLOGY APPLICATIONS FOR EDUCATORS** F/SP  
This teaching methods course emphasizes the psychological and theoretical basis for using instructional media and technology in education. Students produce various instructional media and demonstrate the use of the newer technologies such as telecommunications, assistive technology, computers, and multimedia as educational tools.
- ED280** (3)  
**INTRODUCTION TO BILINGUALISM/BICULTURALISM** F  
This course examines bilingualism/biculturalism and includes the sociological, psychological, linguistics, cultural, and educational aspects.
- ED292** (3)  
**PRACTICUM IN SPECIAL EDUCATION** As Needed  
This practicum course deals with observations of various agencies serving exceptional individuals. Students are required to put in two (2) hours of observation a week and one-hour seminar. Prerequisite: 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.
- ED300** (3)  
**EDUCATIONAL PSYCHOLOGY** F/SP  
This course offers an analysis of the complex factors involved in learning, individual differences, motivation for learning, individual differences in learning, leadership, and socio-cultural factors as they affect the education of children and youth. Prerequisite: PY101, ED201.
- ED310** (3)  
**REMEDICATION OF INDIVIDUALS WITH LEARNING DISABILITIES/BEHAVIOR DISORDERS** F  
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.
- ED311** (3)  
**CURRICULUM FOR CHILDREN AND YOUTH WITH DISABILITIES** As Needed  
This is curriculum course for working with students with disabilities. In this course the major focus is the discussion of the role practiced by special education personnel and other school based support individuals on the relevant curriculum needs for individuals with developmental 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.
- ED312** (3)  
**GUIDANCE FOR EXCEPTIONAL INDIVIDUALS AND FAMILY** As Needed  
This course considers the counseling role of the professional in providing support to exceptional children with disabilities and their families. The improvement of mental health and adjustment of exceptional pupils being served is a major topic. This course includes some basic skills useful for counselors. Understanding of the stages of parental reaction to having a child with a disability, family dynamics, and special considerations one must take into account prior to working with a family (i.e. student age, family culturally competent strategies are learned, specifically in the areas of developing a counseling plan, developing trust, building relationships, and family needs assessment. Prerequisites: ED215 or consent of instructor.
- ED314** (3)  
**ASSESSMENT OF SKILLS FOR CHILDREN AND YOUTH WITH SPECIAL NEEDS** F  
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.

- ED315** (3)  
**METHODS OF TEACHING CHILDREN AND YOUTH WITH SPECIAL NEEDS** As Needed  
This is a method course, which will provide an in-depth educational study of children and adolescents with moderate to severe disabilities including mental retardation, autism, cerebral palsy, etc. The course will focus on the identification, assessment, placement and delivery of services across all grades levels in various educational settings. It will include the adaptation of content, methodology and delivery of instruction to all students, including those with culturally linguistically diverse backgrounds and social environment, with moderate to severe disabilities. Prerequisite: ED215 or consent of instructor.
- ED/LS319** (3)  
**CHILDREN'S LITERATURE** SP  
This course emphasizes the reading and examination of all types of printed and audio-visual materials, a study of the history and development of children's literature, its value to the communication process, and the criteria for selection and utilization of books and closely related materials suited to the needs and tastes of elementary school children including exceptional children.
- ED321** (3)  
**LANGUAGE ARTS METHODS: SECONDARY** F/SP  
This course covers objectives, methods, materials and philosophy for instruction in the secondary school program. It is designed for majors and minors in English Education. Special attention is given to teaching in bilingual situations. Classroom observation is required. Prerequisites: ED110, ED192, ED300, and Admissions to SOE and 12 credit hours in EN, CO, LN
- ED322** (3)  
**SOCIAL SCIENCES METHODS: SECONDARY** F/SP  
This course covers objectives, methods, materials and philosophy for teaching the social studies at the secondary school level, for majors and minors in social sciences. Observation in secondary social science classes is required. Prerequisites: ED110, ED192, ED300, and Admissions to SOE and 12 credit hours social sciences.
- ED323** (3)  
**MATHEMATICS METHODS: SECONDARY** F/SP  
This course covers objectives, methods, materials and philosophy of teaching mathematics in the secondary school, for mathematics majors and minors. Observation in secondary mathematics classes in required. Prerequisites: ED110, ED192, ED300, and Admissions to SOE and 12 credit hours mathematics
- ED324** (3)  
**SCIENCE METHODS: SECONDARY** F/SP  
Science majors and minors are directed to objectives, methods, materials and philosophy of teaching science in the secondary schools. Observation in secondary science classes is required. Prerequisites: ED110, ED192, ED300, and Admissions to SOE and 12 credit hours science.
- ED325** (3)  
**BUSINESS SUBJECTS METHODS: SECONDARY** F/SP  
This course covers methods 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: ED110, ED192, ED300 and Admission to SOE and 18 credit hours in business.
- ED326** (3)  
**ART METHODS: SECONDARY** F/SP  
This course covers the teaching of art in the secondary school, including discussions and demonstrations in two-and three-dimensional work along with studio practice. It is a study of contemporary philosophies in art education is included along with problems of classroom management and teaching methods. Observation of art classes in secondary schools is required. Prerequisites: ED110, ED192, ED300 and Admission to SOE and 12 credit hours in art.
- ED327** (3)  
**HOME ECONOMICS METHODS: SECONDARY** F/SP  
This course presents methods and materials for teaching home economics in junior and senior high schools. Special emphasis is given to the development of practical tests and the creating of instructional aids. Observations and participation in Home Economics classes in secondary schools are required. Prerequisites: ED110, ED192, ED300 and Admission to SOE and 18 credit hours Agricultural and Life Sciences.

- ED328** (3)  
**VOCATIONAL/TECHNICAL METHODS I** F  
This course aids the prospective teacher in developing and implementing vocational/technical curriculum and teaching methods in the classroom with emphasis on research finding. Observation in vocational/technical classes is required. Prerequisites: ED110, ED192, ED300 and upper division standing.
- ED329** (3)  
**VOCATIONAL/TECHNICAL METHODS II** SP  
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.
- ED330** (3)  
**LANGUAGE ARTS IN EARLY CHILDHOOD** F  
This course covers methods and materials appropriate to teach language arts to young children including the development of oral and written language. Practicum is required. Prerequisite: ED251.
- ED331** (3)  
**TEACHING THE YOUNG CHILD** SP  
This course covers school experiences appropriate for young children, which provide the foundation for continued learning throughout school and later life. Observation and Practicum is required. Prerequisite: ED251.
- ED332** (3)  
**CURRICULUM FOR YOUNG CHILDREN** SP  
This course covers instructional methods and materials appropriate to teaching young children with emphasis on science, social studies, mathematics, health and physical education. Practicum is required. Prerequisite: ED251.
- ED333** (3)  
**CREATIVE ARTS IN EARLY CHILDHOOD** F  
Methods of directing children's experience in the fine arts and encouraging creativity are presented. Practicum is required. Prerequisite: ED251.
- ED334** (3)  
**SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS** F/SP  
Teachers who work with young children need the most effective ways to address problems. In this course students will learn different problem-solving techniques that help children learn to accept responsibility and communicate with each other.
- ED336** (3)  
**BUILDING HOME AND SCHOOL RELATIONSHIPS IN EARLY CHILDHOOD EDUCATION** F  
This course will focus on the importance of parental involvement and how to build relationships that will ensure success in the classroom. Students will discuss the awareness, knowledge, and skills needed to work productively with children and their parents. Prerequisites: ED331.
- ED343** (3)  
**TRANSITION IN SPECIAL EDUCATION** As Needed  
This course provides knowledge and skills necessary for implementing relevant career education, vocational, family living and transition programs critical to the individuals with disabilities becoming contributing members to society. Career awareness programs in the elementary, middle, and senior high schools are examined. This course is required for all Special Education majors. Prerequisite: ED215 or consent of instructor.
- ED350** (3)  
**EFFECTIVE TEACHING STRATEGIES FOR THE ELEMENTARY MULTICULTURAL CLASSROOM** F/SP  
This is a study of techniques of classroom management, learning objectives, writing lesson and unit plans, and matching teaching strategies with learning styles. Practicum is required. Prerequisites: ED110, 192 or equivalent, ED201, 300 or consent of instructor.

- ED351** (3)  
**FINE ARTS METHODS: ELEMENTARY** SP  
This course gives students a working knowledge of the fundamentals of teaching music, arts, and drama. The abilities to keenly observe and perceive in order to create personal expressions that can serve as mortar for all learning are encouraged. Practicum is required. Prerequisites:—Any 100-200 level courses in Art Theater Music & ED350 or concurrent enrollment.
- ED353** (3)  
**SOCIAL STUDIES METHODS: ELEMENTARY** F  
This course covers objectives, methods, materials and philosophy of the elementary social studies program. Practicum is required. Prerequisites: Any 100 or 200 level PS, GE, HI, AN, SO, BA/EC or LN course and ED350 or concurrent enrollment.
- ED354** (3)  
**SCIENCE METHODS: ELEMENTARY** F  
This course strives to develop an attitude of research and inquiry among students who are in teacher preparation as well as demonstrating methods to accomplish a similar goal with children. Prerequisites: Any 100 or 200 level BI, CH, NS or PH courses and ED350.
- ED355** (3)  
**LANGUAGE ARTS METHODS: ELEMENTARY** SP  
This course stresses an understanding of the phases of language arts development and the selection and use of educational approaches to enhance this development. Practicum is required. Both ED355 and ED357 to be taken concurrently. Prerequisites: EN111 and ED350 or concurrent enrollment. Co requisite: ED357
- ED356** (3)  
**MATHEMATICS METHODS: ELEMENTARY** F  
This course covers objectives, methods and materials for teaching mathematics in the elementary schools. Experience in planning and teaching mathematics lessons on several levels within the elementary level is required. Practicum is required. Prerequisites: MA110 and ED350 or concurrent enrollment.
- ED357** (3)  
**READING METHODS: ELEMENTARY** As Needed  
This course examines modern theory and practice in the various areas of reading instruction. Emphasis is placed on a basic developmental reading program in the classroom; organization and administration; adjustment to meet individual differences; reading readiness; basic reading skills; word analysis (structural and phonetic); reading in the content subjects; and recreational reading. Classroom observation and participation are required. Practicum is required. Both ED355 and ED357 to be taken concurrently. Prerequisites: EN111 and ED350 or concurrent enrollment. Co requisite: ED355
- ED363** (3)  
**P.E. AND HEALTH METHODS ELEMENTARY** SP  
This course is designed to prepare elementary classroom teachers to teach Health and Physical Education in the elementary schools. Health and Physical Education concepts and skills that are contained in the professional association standards as well as the standards of teaching from the GPSS Teacher Standards and the conceptual framework adopted by the UOG school of Education are integral components. Practicum will be required. Pre-requisite: AL185 or HS200 and ED350.
- ED384** (3)  
**STUDENT ACADEMIC COUNSELOR TRAINING** F/SP  
This course covers the theory and practice of peer counseling with emphasis on study skill development and cross-cultural communication. Students gain experience as instructor aids in FY101- Prerequisites: EN111. Sophomore standing. Approval of Counseling Services Committee required.
- ED385a-b** (3-3)  
**STRUCTURE OF THE LANGUAGE** a-F, b – SP/DE  
This is the study of the structure of a target language which provides valuable information for second language teachers and teachers in bilingual/bicultural programs. The course may be repeated for credit when different target languages are studied. Prerequisite: Professionally assessed language competency.
- ED385-c** (3)  
**STRUCTURE OF THE LANGUAGE: CHAMORU ORTHOGRAPHY** SU/As Required  
This is the study of the structure of the language which provides valuable information for second language and bilingual teachers. This course may be repeated for credits when different targeted languages are studied. Prerequisite: ED385a-b.



- ED392** (3)  
**METHODS PRACTICUM** F  
 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.
- ED404** (3)  
**FOUNDATIONS OF VOCATIONAL/ TECHNICAL EDUCATION** F  
 This is an overview of the evolution and current developments in various forms of Vocational-Technical Education. It includes an introduction to differing philosophical perspectives, as well as an exploration and analysis of the technological, cultural, political, economic and legislative factors that affect current and future forms of Vocational and Technical Education.
- ED405** (3)  
**ORGANIZATION AND MANAGEMENT OF VOCATIONAL/TECHNICAL EDUCATION LABORATORIES** SP  
 This course assists students in the development of knowledge and skills necessary to organize and manage the Vocational/Technical Education Laboratories.
- ED406** (3)  
**EVALUATION AND THE IMPROVEMENT OF VOCATIONAL/ TECHNICAL EDUCATION PROGRAMS** SP  
 Vocational teachers develop skills and acquire knowledge for the evaluation and reporting of vocational students' performance, determining student grades, evaluating instructional program effectiveness, and evaluating vocational programs. Prerequisite: ED404 or consent of instructor.
- ED411** (3)  
**CONTEMPORARY ISSUES IN COUNSELOR EDUCATION** SP  
 This is an approach to human endeavor as a matter of interpersonal relations with basic information concerning personality development, mental mechanisms and pathological personality types. It is aimed at the WHY of human behavior and intended for teachers. Prerequisite: Upper division standing or consent of instructor.
- ED442** (3)  
**SPECIAL EDUCATION LAW** SP  
 This course develops the knowledge and skills necessary for pre-service, in-service and related personnel in the development and implementation of Individualized Education Plans (IEPs) for children and youth with disabilities, including those with culturally linguistically diverse backgrounds and social environment, who are eligible for Special Education services. The development of both long term and short-term goals and objectives within the guidelines of current Special Education legislation is a major focus of the course. Prerequisites: ED215 or consent of instructor.
- ED443/G** (3)  
**ASSISTIVE TECHNOLOGY IN SPECIAL EDUCATION** As Needed  
 This course is designed for special education and regular education teachers who expect to teach students with disabilities. Students learn to select, adapt, create, and use materials and assistive technology for students with disabilities. Prerequisite: ED215 or consent of instructor.
- ED444** (3)  
**SOCIOCULTURAL ASPECTS OF EDUCATION** SP  
 This is a survey of sociological and psychological factors related to education of children outside the cultural and economic mainstream of American society, and includes a review of local resources and facilities to assist these pupils. Prerequisites: SO101, PY101 or consent of instructor.
- ED446/G** (3)  
**INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM** F/SP  
 This course is designed for special and general education teachers at both elementary and secondary level. It covers basic knowledge and skills necessary for teaching students with disabilities in order to be involved in and progress within the least restrictive environment. Emphasis is placed on the placement of students primarily within the general education setting unless it is determined that placement in this setting with supplementary aids and services has proven to be unsatisfactory. Special emphasis is also given to multicultural populations and settings, including those with culturally and linguistically diverse backgrounds, and the social environment. Prerequisites: Admission to SOE.

- ED449** (4)  
**DIRECT INSTRUCTION TEACHING STRATEGY** As Needed  
This competency-based course deals with the development of skills necessary for effectively teaching direct instruction programs dealing with basic skills of reading, spelling, language, or arithmetic. The specific conceptual content will vary depending on the specific levels of the program(s) taught. Prerequisites: ED300 consent of instructor.
- ED/LS451** (3)  
**AUDIO VISUAL EDUCATION** F/SP  
This is a laboratory course in which instructional design and the selection, production, and utilization of media resources are studied. A survey of perception, communication and learning theories, as well as selected research studies applicable to the design of instructional systems are included. Prerequisites: ED300 or consent of instructor.
- ED/LS452** (3)  
**COMPUTERS IN EDUCATION** F/SP  
The course is designed to teach preservice and in-service teachers about micro-computers in education. It provides practical experience with computers, and aids students in learning the various types of software (applications, utilities, CAI/CMI) and their school and classroom uses. LOGO is taught. Issues involved in computer use in education are studied. No previous computer experience is necessary.
- ED457/G** (3)  
**BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION** SP  
This course focuses on managing student behavior (with or without disabilities) to improve classroom instruction and increase learning. This course is designed to help teachers to increase on-task behavior on academic tasks and decrease problem behaviors. The primary focus is on prevention and intervention for inappropriate behavior that interferes with teaching and learning. Emphasis is given to procedures for administration and management of the learning situation in the classroom in order to provide a positive learning environment. This course will also address issues related to discipline as specified in the Individuals with Disabilities Act (IDEA). Prerequisite: ED215.
- ED462** (3)  
**CONTENT AREA LITERACY** (F)  
This course is designed to meet those specific needs for instruction of reading in the middle and secondary school environment. Reading in the content area is emphasized and such concepts as readability levels, study skills and vocabulary development are covered utilizing the competency-based approach. Current strategies concerning remedial readers, motivation of the reluctant reader, material development and comprehension skills are related to this instructional level. Prerequisites: ED110, ED192, ED300 and Admission to SOE.
- ED463** (3)  
**CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY** SP  
The course covers practical, theoretical, Philosophical, and ethical aspects of school and Society, the education profession, and secondary Schools with particular focus on classroom Management, school violence, school safety, Educational law, and other critical social issues.
- ED473** (3)  
**DEVELOPING COGNITIVE ABILITIES** As Needed  
This course examines how to help pupils develop skills necessary to independent learning; strategies designed to help pupils make inferences and predications. Three processes essential to developing independent learners are emphasized: concept diagnosis, interpretation of data and application of knowledge.
- ED476** (3)  
**EFFECTIVE MIDDLE SCHOOLS** F  
This course examines the middle school concept and movement; the rationale for designing educational programs for the middle grades (6-8). The course explores the implications of teacher learner, instructional leader and learning environment data for curriculum and instruction. It focuses on dealing with the complex problems facing the middle school teachers.
- ED480** (3)  
**SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT** F  
The course surveys curriculum selection and evaluation and analyzes various methods of curriculum modification. It focuses on the selection of existing second language materials, adaptation of materials, and development of original materials for use in a second language or bilingual/bicultural classroom. Prerequisites: ED480.

**ED481** (3)  
**SECOND LANGUAGE TEACHING METHODOLOGY** SP  
This is an introduction to the large and growing field of second language pedagogy. The primary purpose of the course is to provide current and prospective second language teachers with knowledge of the theoretical bases and research which are related to second language learning. The secondary purpose is to consider the practical application of the theories and research within the second language classroom.

**ED482** (3)  
**WORKING WITH SECOND LANGUAGE LEARNERS** F/DE  
This course deals with understanding the plight of the limited English proficient student in the mainstream classroom, and techniques and strategies for effectively teaching these students. A practicum is included.

**ED483** (3)  
**INTRODUCTION TO EARLY CHILDHOOD SPECIAL EDUCATION** As Needed  
This course provides an overview of the rationale, policies, and procedures for Early Childhood Special Education Services. The etiology of disabilities and a description of children with handicaps are presented. Implications for educational intervention and service delivery for children from birth to 5 years are discussed. The course is designed to introduce students to the field of Early Childhood Special Education.

**ED486/G** (3)  
**BEST (BUILDING EFFECTIVE STRATEGIES FOR TEACHING)** F/DE  
This course brings together novice and experienced teacher to work collaboratively on strategies to solve classroom problems via the action research methodology. The course will equip beginning teachers with pedagogical and professional skills; and experienced teachers with research skills, particularly those that are needed to carry out collaborative action research. Pre-requisite: current enrollment in or completion of ED392, or consent of advisor.

**ED488/G** (3)  
**SCHOOL LAW FOR TEACHERS** F  
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.

**ED489** (3)  
**EVALUATION** F/SP  
This course covers the fundamental principles and practices of classroom assessment and evaluation. Effective decision making and professional judgement, using assessment data is critical to the assessment process. Norm-referenced and criterion-referenced assessment instruments, crafting teacher-made assessment tools, using technology and effective formative and summative classroom assessment are major topics. Students are required to complete service learning hours as part of course requirements. Prerequisites: ED110, ED300, MA151.

**ED492** (12)  
**PRACTICUM IN STUDENT TEACHING** F/SP  
Note: Prior to Student Teaching/Internship all teacher candidates must take the following Praxis tests and pass with a score as set by the Guam Commission for Educator's Certification (GCEC):

- Praxis II Content Knowledge/Subject Assessment and
- Praxis II Principles of Learning and Teaching: K-6, or Praxis II Principles of Learning and Teaching: 7-12

General description for all ED492: The student is assigned to a cooperating teacher in an appropriate classroom. Regular observation, counseling and evaluation are provided by the School of Education faculty. Individual counseling and group seminars are required. (Grading System: Letter Grade System).

General Prerequisites: Overall GPA of at least a 2.7 GPA in the teaching area; completion of all education courses. Senior standing and no general education courses can be taken concurrently without special permission from their program chairperson and field experience coordinator; application must be completed by announced deadline.

Special Prerequisites: Secondary - Completion of all professional and related area course requirements. Student is also required to be present at the assigned school the entire school day and is encouraged to follow the Department of Education calendar.

Special Education: Students must complete student teaching experiences in both elementary and secondary special education settings (split semester).

Elementary, Early Childhood, Special Education and Secondary: Completion of all professional and related area course requirements. Students are advised to follow the Guam Public School System calendar

**ED498**

**(12)**

**INTERNSHIP IN TEACHING**

**As Required**

Note: Prior to Student Teaching/Internship all teacher candidates must take the following Praxis tests and pass with a score as set by the Guam Commission for Educator's Certification (GCEC):

- Praxis II Content Knowledge/Subject Assessment and
- Praxis II Principles of Learning and Teaching: K-6, or Praxis II Principles of Learning and Teaching: 7-12

This course provides teaching experience under intensive supervision in private or public schools. The student is assigned a cooperating teacher in the school who acts as a mentor teacher. Regular observation, counseling and evaluation are provided by the SOE. Internship requests from currently employed students or from applicants with unusual circumstances may be made in the form of a written letter of request to the Office of the Field Experience Coordinator. Individuals and or group conference is required. (Grading System: A-P-NC) letter grades. General Prerequisites: Current employment in a full-time teaching position and consent of the employer. Overall GPA of at least a 2.70 GPA for Degree students-- completion of all professional and related area requirements, for Certification students-- completion of all certification requirement; senior standing. Application completed by announced deadlines. ED498 must be completed to meet the degree requirements for student teaching.

**ENGLISH (EN)**

**EN109**

**(4)**

**INTRODUCTION TO COLLEGE COMPOSITION**

**F/SP/SU**

This course introduces students to university-level composition. The course emphasizes critical reading and writing skills through the study of argument, analysis, and composing, all of which are fundamental to support success across academic disciplines. Students are required to take EN 109 based on their English placement score and must complete this course 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

**EN110**

**(3)**

**FRESHMAN COMPOSITION**

**F/SP/DE**

This is a basic college composition course. Emphasis is on constructing grammatical sentences in standard written English, on developing unified paragraphs employing appropriate principles of organization, on developing papers employing appropriate principles of organization, and upon improving skills in critical reading of non-fiction prose. 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.

**EN111**

**(3)**

**WRITING FOR RESEARCH**

**F/SP/DE**

In this course, students are introduced to the conversation model of scholarship and to the work of composing academic research from topic development to final edit. This course emphasizes the development and advancement of information literacy skills for the purpose of acquiring knowledge of and cultivating a practice for conducting academic research and composing research-related documents such as annotated bibliographies and research manuscripts. Throughout the course, students learn to skillfully navigate information systems to access both print and electronic sources of information related to their research endeavor, with special attention on ethical and legal use of information in their academic research processes and research products. Prerequisite: EN110 with a grade "C" or better.

**EN111H**

**(3)**

**HONORS WRITING FOR RESEARCH**

**SP**

This course provides students with experience in critical reading and writing of academic discourse, hands-on training in the use of library resources and technologies, access to and utilization of CD ROM and on-line databases, and practice in the development of bibliographies, research proposals, and research papers. As an Honors continuation of 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.

**EN210**

**(3)**

**INTRODUCTION TO LITERATURE**

**F/SP/DE/HYB**

This course is an introduction to poetry, the short story and drama. Prerequisite: EN110.

- EN210H** (3)  
**HONORS INTRODUCTION TO LITERATURE** SP  
This course offers students the opportunity to read, think about, and experience literary works from a variety of genres. Works with a philosophical dimension are especially treated when this course is paired with PI101H and is taught by a cooperative teaching team. Prerequisite: EN110. This course is open to students eligible to enroll in Honors courses.
- EN213** (3)  
**LITERATURE, MYTH AND CULTURE** F/SP/DE  
This course examines significant myths, legends, and folklore from numerous world cultures, focusing especially on Guam, Micronesia, and the Pacific region. The course emphasizes mythology's influence upon literature, mythology's relevance to literary study, and mythology's role in shaping popular culture. Prerequisite: EN110.
- EN225** (3)  
**INTRODUCTION TO LITERARY CRITICISM** F  
This survey course introduces methods and concepts of critical thought from classical to modern and contemporary approaches. It seeks to prepare students for the kinds of critical writing and interpretation done in upper-level literature and humanities courses. Prerequisite: EN111
- EN311** (3)  
**CREATIVE WRITING** F/SP  
This course offers its students semester-long practice in writing such literary forms as the short story, the novel, the novella, stage drama, screen drama, verse, and/or the nonfiction essay. Since one literary form will normally be studied for an entire semester, the course may be repeated for credit with different subject matter.
- EN314** (3)  
**BRITISH LITERATURE** SP  
This course offers a study of selected works and genres in British literature spanning at least three literary periods. Major works, authors, and literary movements are studied in their social and historical context. The course provides a thematic and chronological frame of reference to serve as a background to further studies in literature.
- EN316** (3)  
**PROFESSIONAL WRITING** F/SP  
This course focuses on formal written communication in the professional workplace. Topics include planning, writing, revising, purpose, audience, style, organization, format, technology and strategies for persuasion when writing professional memoranda, documents and reports. The course emphasizes skills and content necessary to communicate effectively in the professional world.
- EN317** (3)  
**AMERICAN LITERATURE** F  
This course is a survey of significant works of American literature spanning at least three literary periods. The course is designed to provide a chronological frame of reference for the more detailed study of American literary movements, periods, authors, and types.
- EN318** (3)  
**WORLD LITERATURE** F  
This course examines significant developments in world literature and intellectual history as they are reflected in literary texts. The course will focus primarily on geographical regions outside the United States and United Kingdom and will cover at least three literary periods.
- EN319** (3)  
**ADVANCED COMPOSITION** F/SP  
The course involves the study and writing of different types of expository prose with some attention to other forms of rhetoric: narration, description, argumentation, and includes a review of grammar, punctuation, and sentence construction.
- EN320** (3)  
**OTHER VOICES** SP  
This course is a survey of representative authors in the United States whose achievements require a redefinition of American literary history. Each semester the literature of one discourse community is studied: Native-American, African-American, Hispanic- American, Asian- American, or others. This course may be repeated when different subject matter is covered. Prerequisite: Any 200-level English course or consent of instructor.

- EN321** (3)  
**THE POETIC TRADITION** SP/Odd Years  
This course focuses on structural, thematic and aesthetic discussions of poetry as an art form. Prerequisite: Any 200- level English course or consent of instructor.
- EN/WG323** (3)  
**LITERATURE BY WOMEN** F/DE  
This course explores representative literature by women around the globe and across time. The course reading covers a variety of literary forms which may include the novel, short story, poetry and such non-fiction as essays, journals, and diaries. Students acquire an understanding of these various literary forms and how women writers have used them to express religious, political, social and philosophical concerns. They also are introduced to a growing body of feminist literary theory. This course allows students to gain an understanding of the social-historical place of literature by women. Prerequisite: Any 200-level literature course or consent of instructor.
- EN/AN333** (3)  
**LITERATURE OF GUAM, MICRONESIA, AND THE PACIFIC** F  
This course provides an overview of the Pacific island literatures. It surveys myths, legends, folktales, historical and literary works of Guam, Micronesia and other Pacific island cultures. It also explores resources suitable for instruction in the schools.
- EN340** (3)  
**MAJOR AUTHORS** SP/Even Years  
This course allows students to study extensively the work, life, and times of a single writer and, in so doing, to understand the importance and relevance of that writer within both historical and modern contexts. The course may be repeated for credit when different authors are covered. Prerequisite: Any 200-level English course or consent of instructor.
- EN350** (3)  
**LITERARY GENRES** F/Odd Years  
This course offers intensive study of major literary genres, including the short story, the novel, verse, drama, cinema, and television. Other genres that may be studied include (but are not limited to) Gothic fiction, science fiction, crime fiction, espionage fiction, children's literature, ecological literature, and sentimental literature. This course may be repeated when different subject genres are covered. Prerequisite: Any 200-level EN course or consent of the instructor
- EN360** (3)  
**LITERARY HISTORY** F  
This course offers a concentrated study of eminent works in the context of the historical period in which they appear. The social developments of the time and the accomplishments in the sciences and humanities provide an intellectual frame of reference. This course may be repeated when different literary histories are covered. Prerequisite: Any 200 level literature courses or consent of instructor.
- EN400** (3)  
**RHETORIC AND COMPOSITION** SP  
The course offers a study of rhetorical and composition theories with emphasis on classroom application of the current research on the teaching and study of writing. Student enrolled in this course should have completed, at least, nine credit hours of EN or LN upper-division courses.
- EN411** (3)  
**ADVANCED CREATIVE WRITING WORKSHOP** SP  
This course provides advanced instruction in the theory and practice of creative writing for students who have successfully completed an introductory creative writing course and want to develop their craft in a workshop setting. Different forms may be offered from year to year, including short fiction; the novel; poetry; creative non-fiction; and film script and television writing. This course can be repeated when different forms are covered. Prerequisite: EN311 or consent of instructor.
- EN450** (3)  
**ENVIRONMENTAL LITERATURE** SP  
This course offers intensive trans-disciplinary study of major environmental literary modes or as part of the history of ecocriticism in the United States, in the region, and on Guam. This course examines how the environmental movement has shaped and continues to reshape the academy, physically and philosophically. Prerequisite: Any 200-level English course or consent of instructor.

**EN460** (3)  
**LITERATURES IN ENGLISH** F  
This course offers an intensive study of representative works of a particular author writing in English, or of a related group of authors (e.g., the metaphysical poets, Commonwealth novelists, Gothic writers, or Western Pacific Writers). With different subject matter the course may be taken more than once for credit. Prerequisite: Any 200-level literature course or consent of instructor.

**EN/MI/WG461/G** (3)  
**PACIFIC WOMEN WRITERS** SP/ Odd Years  
This course entails an intensive study of representative works of Pacific women writers to acquaint students with the contours of this emerging literature in terms of styles, themes, symbols, images, language, politics, and subject. Students will gain an understanding of the place of this literature in the larger context of Pacific Literature, Women's Literature, Minority Literature and Contemporary Literature in English. Prerequisite: Any 200-level literature course or consent of instructor.

**EN470** (3)  
**WORLD LITERATURES IN TRANSLATION** F/Even Years  
EN470 is a focused study of western and non-western literary texts translated into English. The course may be offered in the literatures of Europe, Asia, Africa, Latin America, the Middle East, and others. The course may be repeated for credit when different subject matters or periods are covered. Prerequisite: Any 200-level literature course or consent of instructor.

**EN473** (3)  
**THE MODERN JAPANESE NOVEL** F/Odd Years  
EN473 is a focused study of selected modern Japanese novels against a background of social, political, and cultural developments from the end of the Meiji period (circa 1912) to the present. The course may be repeated for credit when different subject matters or periods are covered. Prerequisite: Any 200-level literature course or consent of instructor.

**EN480** (3)  
**LITERARY THEORY** SP  
This capstone course serves as a culminating experience for the undergraduate major in literature. It integrates key concepts from other literature courses and offers a detailed study of the origins, purposes, and varieties of literary theories, as well as the debates and controversies associated with those theories. The course emphasizes twentieth-century and contemporary critical approaches and movements. Prerequisite: EN225; nine credit hours in other literature courses; or consent of the instructor.

## **ENGINEERING SCIENCE (ES)**

**ES100** (1)  
**ENGINEERING ORIENTATION** F  
This course is designed to give freshmen students an insight into the nature of technology and the engineer's role in society. Members of the faculty and guest speakers present lectures dealing with the various engineering disciplines and related areas.

**ES101** (3)  
**ENGINEERING GRAPHICS** F/SP  
Concepts and methods of communications by graphical means; freehand and instrument drawing, orthogonal projections, and descriptive geometry are covered in this course.

**ES201** (3)  
**ENGINEERING STATICS** F/SP  
This course covers vector algebra and elementary vector calculus; statics of particles and rigid bodies; statics of structures; frictional effects; centers of gravity, centroids, and moments of inertia. Three hours of lecture and two contact hours of problem-solving workshops are held weekly. Prerequisites: PH251, MA203, EN111 or concurrent enrollment for all three.

**ES202** (3)  
**ENGINEERING DYNAMICS** F/SP  
This course covers kinematics and kinetics of translation, rotation, and plane motion; work, energy, and power; impulse, momentum, and impact; kinetics of variable mass; introduction to vibration. Prerequisites: MA204 or concurrent enrollment and ES201.

**ES203****MECHANICS OF MATERIALS****(3)****F/SP**

This course emphasizes the fundamental concepts and application of strength of materials while developing student's analytical problem solving skills. The course covers the response of structures due to axial load, bending, shear and torsion; concept of stress and strain; and beam and column deflection. Prerequisites: ES201.

**ES301****STRUCTURAL ANALYSIS****(3)****F/SP**

The course includes an introduction to structural systems and basic analysis methods for beams, frames, and trusses. Prerequisite: ES203.

**ES303****GEOTECHNICAL ENGINEERING****(3)****F/SP**

Introduction to soil mechanics including classification and index properties of soils, soil permeability and flow in soil, stresses in soils, compressibility, consolidation, shear strength, soil improvement, substantial emphasis on writing lab reports. Lecture will be three hours per week. Prerequisite: ES203 and concurrent enrollment in ES303L.

**ES303L****GEOTECHNICAL ENGINEERING LAB****(1)****F/SP**

An introduction to experimental determination of civil engineering properties of soil and their behavior, identification, grain size analysis, Atterberg limits, compaction, permeability, consolidation, and shear strength. Also, an introduction to sampling of soil materials. Prerequisite: ES-203 and concurrent enrollment in ES303.

**ES305****EARTH STRUCTURES DESIGN****(3)****F/SP**

Earth pressure theories, design of earth retaining structures, including reinforced cantilever walls, sheet pile walls, mechanically stabilized earth walls, engineered earth slopes and stability, use of geosynthetics. Lecture three hours per week. Prerequisite: ES303.

**FINE ARTS (FA)****FA231****SURVEY OF THE ARTS****(3)****F**

This interdisciplinary course is designed to increase student's critical awareness of the Fine Arts. Through a series of topics, the common ground shared by these Fine Arts as well as their unique modes of expression and expressive potential are explored. Prerequisite: Must be Fine Arts major or minor or consent of instructor.

**FA/PI331****PHILOSOPHY OF THE ARTS****(3)****SP/Even Years**

This course offers a study of the major philosophical positions taken in relation to the arts. Prerequisites: FA231 or consent of instructor.

**FA431****SURVIVAL IN THE ARTS****(3)****SP/Odd Years**

This course is an investigation of the practical applications of a degree in the Fine Arts including how to prepare a portfolio, audition tapes and an Arts resume. Prerequisite: 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)****FY101****FIRST YEAR SEMINAR****(3)****All Years**

In this active and collaborative learning environment student are challenged to think deeply about their interests, talents, values, aspirations, and goals-and to articulate all of this into a Personal Mission Statement. The declaration of a compelling reason why students have endeavored to graduate from UOG is interwoven into the recognition and development of effective life skills and the establishment and practice of strong academic skills. The semester will culminate with a common intellectual experience where students will read a resiliency memoir and develop their own narrative of resilience. This shared experience will create at UOG a shared knowledge, a shared language, a shared code of ethics, and most importantly a shared championing of the value of higher education.



## **GEOGRAPHY (GE)**

**GE101**

**INTRODUCTION TO GEOGRAPHY**

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.

(3)  
**F/SP**

**GE201**

**WORLD REGIONAL GEOGRAPHY**

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.

(3)  
**F/SP/HYB**

**GE203**

**PRINCIPLES OF PHYSICAL GEOGRAPHY**

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.

(4)  
**SP**

**GE321**

**ECONOMIC GEOGRAPHY**

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.

(3)  
**F/HYB**

**GE/AN341**

**CULTURAL ECOLOGY**

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.

(3)  
**F/Odd Years**

**GE401**

**GEOGRAPHY OF THE PACIFIC**

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.

(3)  
**F/HYB**

**GE461**

**CONSERVATION/ NATURAL RESOURCE MANAGEMENT**

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.

(3)  
**F/Even Years**

**GE/SO475**

**HUMAN ECOLOGY: PROBLEMS AND SOLUTIONS**

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.

(3)  
**F/Odd Years**

**GE480**

**SPECIAL TOPICS IN GEOGRAPHY**

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.

(3)  
**SP/HYB**

## **HISTORY (HI)**

- HI121** (3)  
**WORLD HISTORY I** F/SP  
This course is a comprehensive study of world history from the formation of early complex societies to 1500.
- HI122** (3)  
**WORLD HISTORY II** F/SP  
This course is a comprehensive study of world history from 1500 to the present.
- HI201** (3)  
**EARLY AMERICA** F/SP  
In this course, students will survey the principal historical developments in the United States from colonial times to the end of Reconstruction in 1877.
- HI202** (3)  
**MODERN AMERICA** F/SP  
In this course, students will survey the principal historical developments in the United States from the end of Reconstruction in 1877 to the present.
- HI211** (3)  
**HISTORY OF GUAM** F/SP/DE  
This course surveys the political, socio-cultural, economic, and military history of Guam and its people since ancient times, reviewing historical changes through the eras of Spanish, Japanese and American colonial rule.
- HI243** (3)  
**HISTORY OF MICRONESIA** F/DE  
This course is an introduction to the traditional and western history of the Micronesian islands.
- HI306** (3)  
**MODERN AMERICAN MILITARY HISTORY (1914-present)** SP  
The subject matter of this course covers the growth and development of the United States Armed Forces from 1914 to the present, including the role of the American military in the preservation and development of the nation.
- HI371** (3)  
**HISTORY OF EAST ASIA TO 1600** F/Even Years/DE  
This course focuses on the characteristics of East Asian civilizations as they developed in pre-modern China, Japan, and Korea.
- HI308** (3)  
**THE HISTORIANS' CRAFT** F  
This course introduced students to basic skills in the historian's trade, including the identification and analysis of primary and secondary source material, coverage of oral interviewing protocol, and an examination of some of the diverse theoretical approaches that inform historical reconstructions and interpretations of the past.
- HI372** (3)  
**HISTORY OF EAST ASIA SINCE 1600** SP/Odd Years/DE  
This course examines continuity and change in East Asia (China, Japan and Korea) since. 1600.
- HI406** (3)  
**THE UNITED STATES IN RECENT TIMES** F/Odd Years  
Students in this course explore the major social, economic, cultural, diplomatic, and political developments in the United States since 1945.
- HI409** (3)  
**DIPLOMATIC HISTORY OF THE UNITED STATES** F/Even Years  
Covering the period 1898 to the present, this course examines the emergence of the United States as a world power, and the factors that influenced the conduct of America's foreign policy.

- HI413** (3)  
**RESEARCH METHODOLOGIES IN HISTORY** **F/Odd Years**  
This course covers the analysis and use of historical sources, as well as an evaluation of historical research methods, and requires the completion of a substantial research paper. Prerequisite: HI308 or consent of instructor.
- HI420** (3)  
**TOPICS IN WESTERN HISTORY** **SP/Odd Years**  
This course is an intensive study of a specific topic or problem in Western History. With different subject matter, the course may be taken more than once for credit.
- HI441** (3)  
**HISTORY OF THE PHILIPPINES** **F/Odd Years**  
Students in this course survey Philippine history and society from earliest times to the present.
- HI444** (3)  
**MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT** **SP/Even Years**  
This course covers colonial and post-colonial rule in the Pacific.
- HI450** (3)  
**TOPICS IN PACIFIC HISTORY** **SP/Odd Years**  
This course is an intensive study of a specific topic or problem in Pacific History. With different subject matter, this course may be taken more than once for credit.
- HI455** (3)  
**TOPICS IN PRE-MODERN HISTORY** **As Resources Permit**  
This course is an intensive study of a specific topic problem in Pre-Modern History. With different subject matter, the course may be taken more than once for credit.
- HI474** (3)  
**HISTORY OF MODERN JAPAN** **SP/Even Years**  
This course focuses on the political, social, diplomatic, and economic development of modern Japan from the beginning of the Tokugawa Shogunate (1603) to the present. Attention is also given to Japan's response to the West.
- HI476** (3)  
**HISTORY OF MODERN CHINA** **F/Odd Years**  
This course examines the transition from traditional to modern China. China's entry into the modern world, and China under the Communist regime.
- HI478** (3)  
**THE HISTORY OF MODERN KOREA** **As Resources Permit**  
This course emphasizes the evolution of Korea from the Yi Dynasty (1392-1910) to the present.
- HI480** (3)  
**TOPICS IN ASIAN HISTORY** **F/EVENYEARS-As Resources Permit**  
This course is an intensive study of specific topic or problem in Asian history. With different subject matter, the course may be taken more than once for credit.
- HEALTH SCIENCES (HS)**
- HS104** (1)  
**CONDITIONING AND FITNESS** **F/SP**  
This is a program of exercise designed to develop strength, endurance, flexibility, coordination and power supplemented by weight training and aerobic conditioning.
- HS105** (1)  
**STRENGTH TRAINING** **F/SP**  
This activity course is primarily concerned with the development of muscular strength and the concurrent reduction of total body fat through a safe, personalized program of weight training. In addition to discussion on proper form and technique, the course considers the latest research findings on current topics such as steroid ingestion and protein supplementation.

- HS106** (1)  
**AEROBIC DANCE** F/SP  
This course offers fundamental instruction in exercise and physical fitness via fitness activities, with emphasis on regular, continuing and enjoyable participation. May be repeated for credit.
- HS111** (1)  
**BEGINNING TENNIS** As Resources Permit  
This course introduces the basic aspects of the game of tennis including grips, forehand and backhand ground strokes, forehand and backhand volley, overhead and service. Scoring, etiquette, and the rules used in singles play are also covered.
- HS121** (1)  
**VOLLEYBALL** As Resources Permit  
In this class dealing with the skills and fundamentals of volleyball, students are given the opportunity of developing the proper skills and techniques associated with volleyball and to participate in competitive games.
- HS122** (1)  
**BASKETBALL** As Resources Permit  
Students are introduced to the basic skills, rules and regulations used in the sport of basketball. Various types of offensive and defensive formations are explained and demonstrated during class. Proper techniques of warming-up, conditioning and nutrition are also covered. (The last four weeks of class consist of competitive games, i.e., five-on-five and two-on-two, where the students are able to apply the skills and techniques which they have learned in class.)
- HS131** (1)  
**BEGINNING SWIMMING** As Resources Permit  
This course is an introduction to swimming through instruction and development of basic swimming strokes and personal water safety skills for activities in or near the water. Opportunity is provided to complete the requirements of the Community Water Safety course and Level III or IV of the Learn-To-Swim Program of the American Red Cross.
- HS132** (1)  
**INTERMEDIATE SWIMMING** As Resources Permit  
This course offers instruction and development in five basic swimming strokes, diving and appropriate water safety skills for personal safety and for assisting in a water emergency. Opportunity is provided to complete the requirements of the Community Water Safety course and Level IV or V of the Learn-To-Swim Program of the American Red Cross. Prerequisite: Ability to jump into deep water, level off, swim the front crawl stroke for 15 meters plus demonstrate any back stroke for 15 meters.
- HS142** (1)  
**AIKIDO** F  
This course covers rules, etiquette, basic roll, simple holds and breaking of such holds, and offers special conditioning exercises.
- HS143** (1)  
**TAE KWON DO** SP  
Tae Kwon Do, a Korean martial art, means roughly hand/foot art and is somewhat analogous to Japanese Karate. It contains an equal balance of philosophical, mental, and physical elements.
- HS144a-b** (1-1)  
**FENCING** As Resources Permit  
(a) This course is designed to acquaint the student with the art of fencing, to develop knowledge of the sport, and to develop some of the basic skills of fencing. (b) Emphasis is placed upon improving basic skills and fundamentals of fencing.
- HS145** (1)  
**BEGINNING HATHA YOGA** SP  
This course introduces the physical practices of yoga. Students are taught a series of stretching and breathing exercises designed to increase flexibility, agility and balance. The exercises also promote deep relaxation and help relieve tension and anxiety. Instruction is given in a manner that allows students at different levels of physical fitness to develop at their own pace.

- HS200** (3)  
**HEALTH AND WELLNESS** F/SP/DE  
Health and Wellness is designed to introduce students to the concepts of physical fitness and wellness and the lifetime benefits provided through participation in an individualized program. Its lecture component provides an in-depth understanding of the hows and whys of health fitness as well as information most useful in helping students make healthful adjustments to their current lifestyles. The course also offers participation in an individualized exercise program with a choice of several different activities. Pre and post testing are done to determine improvement in the areas of cardiovascular fitness, muscular strength, flexibility, and body composition.
- HS210** (3)  
**HUMAN BIOLOGY AND BEHAVIOR** F  
Understanding the basics of human biology and the relation between human biology and behavior is crucial for students, especially those in the allied health and human service professions. This is an overview course designed for undergraduate students who have no background in human biology and behavior. This course emphasizes core biological concepts as they relate to human behavior and health – how our bodies work, how our genes, environmental factors and disease - causing organisms affect our health. Special focus is on recent advances in biology, biological and behavioral development across the human lifespan, human problems/illness and biology, public health and biology, and ecosystems.
- HS216** (3)  
**INTRODUCTION TO PUBLIC HEALTH** F  
This course offers an overview of public health and the discussion of current topics, recent events and the most up-to-date key issues that affect the public's health. The major areas of public health are presented together with many of the applications to epidemiology, surveillance, environmental health, illness prevention, and public health policy making. Prerequisite: HS200.
- HS322/PE322** (3)  
**KINESIOLOGY** F  
Kinesiology is the study of the human body from the viewpoint of the physical sciences. It is an essential part of the educational experience of students of physical education, dance, sport, and physical medicine. The function of the course is to contribute not only to successful participation in various physical activities, but also to the improvement of the human structure through the intelligent selection of activities and the efficient use of the body. Prerequisites: Grade of C or better in EN111 and BI124-124L.
- HS/PE324** (3)  
**EXERCISE PHYSIOLOGY** SP  
This course is designed to assist potential teachers and others involved in activity programs to be safely effective in the gymnasium and on the athletic playing field. Study focuses on how the body, from a functional standpoint, responds and adjusts to exercise. Both acute and prolonged (chronic) exercises, as used in exercise training, are considered. Prerequisites: Grade of C or better in EN111, BI124-124L, BI125-125L, BI125-125L or consent of instructor required.
- HS350** (3)  
**TEST AND MEASUREMENT IN HUMAN PERFORMANCE** SP  
Students are taught how to administer various tests designed to measure improvement in physical education in terms of health and physical services. The three areas of concern are current trends in health and physical education, the specific qualities to be measured, and the explanation of administrative procedures in the practical use of tests. Also covered is the careful use of tests to accurately examine the achievement of educational objectives.
- HS/SW355** (3)  
**HUMAN SEXUALITY** SP  
This course offers a broad overview of human sexuality from a multidisciplinary perspective: the biological, psychological, sociological, and cross-cultural. It provides some of the most current information in the field today and the opportunity for students to reflect on their personal values, attitudes, beliefs, and behaviors regarding sexuality and to consider critical practice issues in his/her field.
- HS405/G** (3)  
**EPIDEMIOLOGY** SP  
This course offers an overview of epidemiology and the epidemiologic approach to problems of health and disease. The major principles and methods of epidemiology are presented together with many of the applications of epidemiology to public health and clinical practice. Prerequisites: Ma 151 or have demonstrated equivalent knowledge and skills, HS216 or consent of instructor.

**HS/NU416** (3)  
**RESEARCH IN NURSING AND HEALTH SCIENCES** F  
This course focuses on the research process and the use of research in nursing. The roles of the consumer of research, critical thinker, and leader in professional nursing are integrated through the use of the research process. Prerequisites: Prerequisite: HS405. Corequisite: MA387 and MA387L.

**HS451** (3)  
**RESEARCH AND REPORT WRITING** SP  
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

**HS491** (3)  
**CURRENT TOPICS IN HEALTH SCIENCES** F/SP  
This course focuses on selected topics that are not otherwise covered in depth in regular Health Science courses. Themes that are covered include community partnerships and advanced topics in Health Science. Key concepts from the general education requirements and basic health sciences are integrated in this course. With different topics offered, this course may be repeated for credit. Prerequisite: HS216.

**HS498** (6)  
**INTERNSHIP IN HEALTH SCIENCES** F/SP  
The course is a supervised internship or field placement in the areas of exercise science and health promotion which is designed to provide opportunities for experiential learning at an advanced level. Students pursue professional assignments (minimum of 20 hours per week) with an agency or organization which provides services related to the students preparation in physical education. Prerequisite/Co requisite: Consent of instructor.

## LINGUISTICS (LN)

**LN101** (3)  
**INTRODUCTION TO LANGUAGE** F/SP/HYB  
Exploring the use of language (English in particular), this course is intended for students without any previous background in the study of language. The course focuses on different ways in which English may be formed and used by different people in different situations. It also serves as an introduction to the study of the sounds, words, and sentences of English and other languages.

**LN300** (3)  
**INTRODUCTION TO LINGUISTICS** F/SP  
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.

**LN350** (3)  
**LINGUISTICS AND THE LANGUAGE ARTS** F/HYB  
This course examines the many perspectives from which language may be viewed. It is intended to give students a broad view of the nature, acquisition, uses, and misuses of language as well as to remind them of the connections between language, culture, and society. Prerequisite: LN300 or consent of instructor.

**LN371** (3)  
**WORLD ENGLISHES** F  
This course examines the development of different varieties of standard English throughout the world. In the past half-century, English has exploded as the most widely used world language, and most of the users are non-native speakers. The result of worldwide contact with English, the evolution of English varieties, and cross-cultural similarities and difference in patters of language use are addressed. Prerequisite: LN300 or consent of instructor

**LN385** (3)  
**STRUCTURE OF ENGLISH** SP  
LN385 presents a general description of the structure of Standard English.. The course focuses on sentence structure, word formation, word choice, and other aspects of Standard English that most people refer to as grammar. The course is of special value for future and current English teachers who will be teaching English and its use to their own students. Prerequisite: LN300 or consent of instructor

**LN400** (3)  
**APPLIED LINGUISTICS** F/SP  
This capstone course provides the culminating experience for students in their exploration of linguistics by offering a multidisciplinary approach to issues related to language acquisition and teaching. Integrating and connecting key concepts and methodologies from previous linguistics courses, this course will focus on the applications of linguistics and its subfields to language and learning theories that support various teaching methodologies; individual and cultural differences that affect second language learning; stylistics and the use of literature in language pedagogy; language policy and language planning; as well as issues of bilingualism, multilingualism, and multiculturalism. Prerequisite: LN300; senior status; or consent of the instructor.

**LN402** (3)  
**HISTORY OF THE ENGLISH**  
**LANGUAGE** SP/ HYB  
This course is an historical survey of the sound, structure, and syntax of the English language from 900 A.D. to the present. : Prerequisite: LN300 or consent of instructor.

**LN440** (3)  
**TOPICS IN LINGUISTICS** SP  
Courses included under this umbrella course provide undergraduate and graduate students with advanced study of specific topics within the study of language. These topics focus attention on language use, language analysis, and language learning. Special attention will be paid, where possible, to Pacific languages and cultures. The course may be repeated when topics vary. Prerequisite: LN300 or consent of instructor.

**LN440b/G** (3)  
**TOPICS IN LINGUISTICS: PRAGMATICS** F/SP  
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.

**LN460** (3)  
**INTRODUCTION TO SOCIOLINGUISTICS** F  
This course is an introduction to current sociolinguistic studies. Emphasis is placed on the nature of the speech community, speech events, societal bilingualism, and language constraints. Additional emphasis is placed on practical application of basic sociolinguistic concepts. Prerequisite: LN300 or consent of instructor.

## **LIBRARY SCIENCE (LS)**

**LS310** (3)  
**CATALOGING AND CLASSIFICATION OF**  
**SCHOOL LIBRARY MATERIALS** F/Even Years  
This course introduces the purpose, theory and principles of cataloging and classification using Dewey Decimal Classification and Sears Subject Headings. It includes construction of a main catalog for the school library, including audiovisual materials and processing materials from acquisition to circulation.

**LS311** (3)  
**BUILDING SCHOOL LIBRARY COLLECTIONS** SP/Even Years  
This course covers intellectual, administrative, and practical aspects of building, maintaining and evaluating school library collections with particular reference to Guam and the Western Pacific. Topics include the writing and implementation of collection policies, community analysis and the needs of library users, strategies of selection and evaluation, analysis and evaluation of current reviewing media, school library standards, censorship, acquisitions procedures and management, library cooperation, copyright, contemporary publishing, and use of computers in acquisitions.

**LS312** (3)  
**SCHOOL LIBRARY/MEDIA ADMINISTRATION** SP/Odd Years  
This is an introduction to school library media center philosophy, organization, administration and the role of the center in the instructional program. It is a study of the routines, methods, and records necessary for the daily operation and supervision of the center. The course examines the role of the librarian and the principal-teacher-student relationship.

**LS314** (3)  
**SCHOOL LIBRARY METHODS: TEACHING AND LEARNING  
IN THE SCHOOL LIBRARY** F/Odd Years  
This course covers objectives, methods, philosophy and role of the school library media center in supporting curriculum and instruction. It introduces techniques to assist teachers in selecting and utilizing appropriate materials for individual, small group, and large group instruction. It covers development of library skills instruction and literature appreciation programs.

**LS315** (3)  
**REFERENCE AND INFORMATION SOURCES AND SERVICES** SP/Even Years  
This course is a survey of basic print and electronic resources appropriate to reference and information services for elementary and secondary schools. It provides practice in evaluation, selection and use of reference sources, and examines the role of the school library media center in teaching information literacy.

**LS/ED319** (3)  
**CHILDREN'S LITERATURE** F/SP  
This course emphasizes the reading and examination of all types of printed and audio-visual materials, a study of the history and development of children's literature, its value to the communication process, and the criteria for selection and utilization of books and closely related materials suited to the needs and tastes of elementary school children including exceptional children.

**LS320** (3)  
**YOUNG ADULT LITERATURE** SP/Odd Years  
This is a survey of books and audiovisual materials suitable for secondary school students with emphasis on current interests and materials. It is an introduction to basic aids for selection, as well as practice in techniques of reading guidance and promotional programs such as book talks, booklists, and film programs.

**LS/ED451** (3)  
**AUDIO VISUAL EDUCATION** F/SP  
This is a laboratory course in which instructional design and the selection, production, and utilization of media resources are studied. A survey of perception, communication and learning theories, as well as selected research studies applicable to the design of instructional systems are included. Prerequisites: ED300 or consent of instructor.

**LS/ED452** (3)  
**COMPUTERS IN EDUCATION** F  
The course is designed to teach preservice and in-service teachers about microcomputers in education. It provides practical experience with computers, and aids students in learning the various types of software (applications, utilities, CAI/CMI) and their school and classroom uses. LOGO is taught. Issues involved in computer use in education are studied. No previous computer experience is necessary.

**LS453** (3)  
**MULTIMEDIA MATERIALS  
AND SERVICES** F/Even Years  
This course is a survey of multimedia resources that supports learning and instruction in elementary and secondary schools. Examines policies and criteria for the selection, evaluation, acquisition, organization and maintenance of non-print media collections and electronic resources in school library media center. Prerequisites: ED451 and LS310 or consent of the instructor.

## **LEGAL STUDIES (LW) – CRIMINAL JUSTICE**

**LW101** (3)  
**INTRODUCTION TO CRIMINAL JUSTICE** F/SP  
This course is designed to produce an understanding of the underlying purpose of law enforcement by analyzing the functions of the police officer, courts, penal institutions and attorneys. The course also provides a survey of the criminal justice system focusing on its purpose, problems and functions.

**LW106** (3)  
**PERSONAL LAW** F/SP  
Personal Law introduces basic legal principles and their application to everyday human relations.



- LW202** (3)  
**TRIAL AND EVIDENCE** F/SP  
This course examines criminal procedure from investigation through arrest and trial. The rules of evidence and constitutional requirements regarding police investigations, search and seizure, arrests, confessions and admissibility of evidence in criminal trials are covered.
- LW220** (3)  
**SECURITY MANAGEMENT IN BUSINESS AND GOVERNMENT** SP  
This course focuses on applying security management concepts and techniques to modern business and public sector operations. The course emphasizes security practices and crime control functions in a business and/or government environment.
- LW285** (3)  
**LEGAL REASONING, RESEARCH AND WRITING** F  
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.
- LW306** (3)  
**CRIMINAL LAW** F/SP  
The student studies the required elements of crimes under the common law and modern criminal statutes. Specific problems of application of the elements of crimes to law enforcement and the criminal justice system are emphasized.
- LW311** (3)  
**CORRECTIONAL SECURITY MANAGEMENT AND ADMINISTRATION** F  
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.
- LW360** (3)  
**ADMINISTRATIVE PROCEDURE** F/SP  
This course prepares the paralegal to render legal assistance in the processes, procedures, and requirements established by administrative agencies through their enabling statutes and rules and regulations. Methods of informal and formal rulemaking and adjudication will be examined, as well as policy execution. This course will also explore administrative considerations in such areas as real estate transactions, procurement, bids, licensing, zoning, employment and program management are discussed.
- LW402** (3)  
**CONSTITUTIONAL LAW** F/SP  
This course provides the student with underlying principles of constitutional interpretation, government organization and functions, and the application of the Bill of Rights to criminal justice. Special problems of constitutional principles applied to the criminal justice system are dealt with through the study of U.S. Supreme Court cases.
- LW404** (3)  
**ADMINISTRATION AND MANAGEMENT OF CRIMINAL JUSTICE ORGANIZATIONS** F/SP  
This course examines the application of sound organizational theory and public administration and management practices in the criminal justice system. This course focuses on the interdependencies of the administrative systems of criminal justice agencies and strategies that are necessary for administrators to successfully manage these agencies.
- LW409** (3)  
**PROBLEMS IN CRIMINAL JUSTICE (Senior Seminar)** F/SP  
LW409 is a capstone course in the BSCJ degree program. This capstone course is the culminating experience that incorporates applied research and real world applications in the field of Criminal Justice under the guidance of a major professor. This capstone course examines current problems in law enforcement and criminal justice at the territorial and national levels from an administrative perspective, including review and evaluation of solutions to current problems developed by police and other criminal justice agencies, academic disciplines and other sources. This course may only be taken in the students' graduating semester. Pre requisite: consent of instructor.

**LW442** (3)  
**LAW AND ETHICS IN BUSINESS AND GOVERNMENT** F/SP  
This course examines the rules of law governing business transactions. Topics covered include the American legal system: definitions, classifications, and sources of law; court systems and procedures; tort laws; laws of contract: essentials of enforceable agreements, operation, and discharge; law of sales; and the Uniform Commercial Code.

**LW443** (3)  
**BUSINESS LAW II** F/SP/DE  
This course covers law of agency and employer-employee relations including rights and liabilities of parties, and the termination of relationships; law of business organization: sole ownership, partnerships, and corporations; laws of negotiability, negotiations and discharge and debtors, creditors and bankruptcy. Prerequisite: LW442 with a C grade or better.

**LW490** (1-3)  
**SPECIAL PROJECT IN LEGAL STUDIES** F/SP  
This special research course is intended to provide Criminal Justice and Public Administration majors with the contemporary principles and techniques of research in the principles of constitutional interpretation, government organization and functions, and the application of the Bill of Rights to criminal justice. Prerequisite: Instructor's consent.

**LW498** (3)  
**LEGAL STUDIES INTERNSHIP** F/SP  
This course provides qualified students with the opportunity to gain experience in public and criminal justice administration. Students are placed in government agencies and related organizations and work under the supervision of a management official. Students must consult with the Internship Coordinator prior to enrolling. Prerequisite: Instructor's consent.

## **MATHEMATICS (MA)**

**\*\*NOTE: PLACEMENT IN FUNDAMENTAL MATHEMATICS IS DETERMINED BY SCORES ON THE UOG PLACEMENT TEST. STUDENTS PLACED INTO THIS COURSE SHOULD SEEK APPROPRIATE ADVISEMENT WHEN CHOOSING OTHER COURSES.**

**MA085a-b** (3-3 NDUS)  
**FUNDAMENTALS OF MATHEMATICS** F/SP  
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.

**MA089** (5 NDU)  
**FUNDAMENTALS OF MATHEMATICS** F/SP  
This course is a study of the fundamental concepts of high school mathematics, including arithmetic and algebra. This course is lecture-based and designed to provide the background necessary for advancement in mathematics. It Includes 5 lecture hours weekly. This is the combined course of MA085a-b. Students must earn a grade of C or higher to enroll in MA110, MA115, or MA151. Prerequisite: Mathematics Placement Test.

**MA110** (3)  
**BASIC MATHEMATICAL APPLICATIONS** F/SP/HYB/DE  
This course explores the world of mathematical application for the management, life, and social sciences. It covers linear, quadratic, polynomial, exponential and logarithmic function and their applications to finance and economics. This course also provides an introduction to solving systems of linear equations, matrix operations, and a treatment of linear programming which includes the simplex method. *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 MA085b or MA089, completed within the previous 3 semesters, or placement.

- MA115** (3)  
**INTRODUCTORY COLLEGE ALGEBRA** F/SP/ HYB/DE  
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.
- MA150** (3)  
**MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS** F/SP  
This course is intended for prospective elementary school teachers. The course provides elements of the mathematical content knowledge needed to understand and teach mathematics in elementary school. The course covers problem solving; the development of the numbers systems and operations; fractions, decimals and percent; the use of various manipulatives in teaching elementary mathematics; probability; statistics. It primarily focuses on geometry.
- MA151** (3)  
**INTRODUCTORY STATISTICS** F/SP/DE  
This course presents statistical method as applied to the description and display of data, and to drawing conclusions from statistical data, and introduces the basic probability theory needed to understand use the techniques of elementary statistics. Prerequisite: Grade of C or better in MA085b or MA089, completed within the previous 3 semesters, or placement.
- MA161a-b** (3-3)  
**COLLEGE ALGEBRA AND TRIGONOMETRY** F/SP  
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.
- MA165** (5)  
**PRECALCULUS** F/SP  
Topics include algebraic, exponential and logarithmic functions; systems of equations and inequalities; trigonometry; sequences and series. A student may receive credit for either the 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.
- MA203** (5)  
**CALCULUS I** F/SP  
This is the first semester of a standard calculus course. Topics include limits; continuity; the definition of derivatives; derivatives of algebraic and transcendental functions; product, quotient, and chain rules; applications; and Riemann Sums. Prerequisite: Grade of C or better in MA161b or MA165 or placement or equivalent.
- MA204** (5)  
**CALCULUS II** F/SP  
This is the second semester of a standard calculus course. Topics include techniques and applications of integration, differential equations, power series, and Taylor series. Prerequisite: Grade of C or better in MA203.
- MA205** (4)  
**MULTIVARIABLE CALCULUS** F/SP  
This course covers the calculus of functions of several variables, including partial differentiation and multiple integration. It also covers introductory topics in vector calculus, including vector fields, line integration, Green's Theorem, and Stokes' Theorem. Prerequisite: Grade of C or better in MA204.
- MA301** (3)  
**DIFFERENTIAL EQUATIONS** SP  
This course covers the study of the fundamental concepts of differential equations with applications. Prerequisite: Grade of C or better in MA204.

- MA302** (3)  
**FOUNDATIONS OF HIGHER MATHEMATICS** SP  
This course provides a careful introduction to mathematical reasoning using definitions and proofs. Topics covered include set theory, logic and mathematical induction. Prerequisite: Grade of C or better in MA205, or C or better in MA341, or A- or better in MA204.
- MA341** (3)  
**LINEAR ALGEBRA** F/SP  
Topics covered include vectors, systems of linear equations, matrices, eigenvalues and eigenvectors, vector spaces, determinants and linear transformations. Prerequisite: Grade of C or better in MA204, or A in MA203.
- MA351** (3)  
**DISCRETE STRUCTURES** SP  
This course introduces the rigorous theoretical framework within which ideas about computer science can be expressed. Prerequisite: Grade of C or better in MA204.
- MA361** (3)  
**NUMBER THEORY** SP/Even Years  
This course covers the study of the properties of integers, congruencies, diophantine equations, prime numbers and residue classes. Prerequisite: Grades of C or better in both MA205 and MA302.
- MA375** (3)  
**NUMERICAL METHODS AND SOFTWARE** SP/Odd Years  
This course is an introduction to such topics as interpolation, integration, solutions of linear systems of equations, solutions of linear and nonlinear equations, and solutions of ordinary differential equations. It includes the use of numerical software libraries. Prerequisite: Grade of C or better in MA204 and MA341, CS201 or CS202.
- MA385** (3)  
**APPLIED STATISTICS** F/SP/DE  
This course covers: statistical inference, sampling theory, hypothesis testing, correlation, and non-parametric statistics as applied to the social, life and physical sciences and to business. Prerequisite: Grade of C or better in MA151 or equivalent course.
- MA387** (3)  
**STATISTICS FOR SCIENCES** F  
The topics include exploring data in graphs and in numerical values, introducing basic probability theory for statistics, sampling distributions, estimation theory, testing hypothesis, correlation, linear regression, variance analysis, and non-parametric statistics. The course consists of three hours of lecture weekly. The lab, 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.
- MA387L** (1)  
**STATISTICS FOR SCIENCE LABORATORY** F  
MA/BI387L 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.
- MA392** (1-2)  
**LABORATORY TEACHING AND ASSISTING** F/SP  
This course provides for practical educational experiences in teaching and assisting with developmental math classes. It may not be used for more than two upper division math elective credits. Prerequisite: Grade of B or better in MA203 or consent of instructor.
- MA411** (3)  
**INTRODUCTION TO ABSTRACT ALGEBRA** F  
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 and MA302.

- MA412/G** (3)  
**INTRODUCTION TO ALGEBRA II** SP  
This is the second course in a two-semester sequence of introductory courses in abstract algebra. Topics covered include field theory, Sylow theorems, introductory Galois Theory, and some of advanced group theory, module and ring theory. Prerequisites: Grades of C or better in MA341 and MA411.
- MA421** (3)  
**INTRODUCTION TO ANALYSIS I** F  
This is the first course in a two-semester sequence designed to provide an introduction to the rigorous study of the foundations of calculus. Topics covered include the completeness of the real numbers, elementary topology, continuous functions, and numerical sequences and series. Prerequisites: A grade of C or better in MA205 and MA302.
- MA422** (3)  
**INTRODUCTION TO ANALYSIS II** SP  
This is the second course in a two-semester sequence designed to provide an introduction to the rigorous study of the foundations of calculus. Topics covered include differentiation, integration, sequences and series of functions. Prerequisites: A grade of C or better in MA421.
- MA431/G** (3)  
**TOPICS IN ADVANCED MATHEMATICS** As Resources Permit  
This course offers selected topics in advanced mathematics such as topology, mathematical induction, non-Euclidean geometries. Different subject matter may be repeated for credit. Prerequisite: Grades of C or above in MA205 and MA302.
- MA441** (3)  
**MODERN GEOMETRY** As Resources Permit  
This course treats non-Euclidean and advanced Euclidean geometry. Prerequisites: Grades of C or better in both MA205 and MA302.
- MA451** (3)  
**INTRODUCTION TO PROBABILITY THEORY** F/Even Years  
This course covers probability spaces; combinatorial analysis; independence and conditional probability; discrete and continuous random variables including binomial, Poisson, exponential and normal distributions; expectations; joint, marginal and conditional distribution functions; moment generating functions; law of large numbers; central line theorems. Prerequisites: MA151 or equivalent and grade of C or better in MA302.
- MA453** (3)  
**OPERATIONS RESEARCH MODELS** As Resources Permit  
Operations research models are designed to optimize, maximize, or minimize real world processes. Computer methods and packages are included for linear and dynamic programming, life and death processes, P.E.R.T.-C.P.M., trend analysis and queuing theory. Prerequisites: MA341 and either MA385 or MA387 and MA387L.
- MA460** (3)  
**NUMERICAL LINEAR ALGEBRA** As Resources Permit  
The course covers topics such as numerical solutions to systems of linear equations; linear least squares problems; eigenvalue and eigenvector problems. Methods include Gauss-Jordan elimination, Seidel iterating, the QR algorithm, and linear optimization. It includes the use of numerical software libraries. Prerequisites: Grades of C or better in MA205, MA302, and MA375.
- MA472** (3)  
**FOURIER SERIES AND BOUNDARY VALUE PROBLEMS** F/Even Years  
This is the second course on the differential equations based on the multivariable calculus. Topics include Fourier series expansion, Fourier integral, and wave, heat and Laplace equations. Emphasis is placed on applications. Prerequisites Grade of C or better in MA205 and MA301.

## MILITARY SCIENCE (MSL)

Leadership laboratory is required for scholarship and contracted cadets.

**MSL101** (2)  
**INTRODUCTION TO THE ARMY AND CRITICAL THINKING** F

This course introduces students to the personal challenges and competencies that are critical for effective leadership. Students will learn how the personal development of life skills such as goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession. The focus is on developing basic knowledge and comprehension of Army leadership dimensions while gaining a big picture understanding of the ROTC program, its purpose in the Army, and its advantages for the student. Requires leadership labs, participation in ROTC physical fitness program, and a weekend field training exercise. Prerequisite: Full-time student

**MSL102** (2)  
**FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP** SP

This course overviews leadership fundamentals; such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Students will explore dimensions of leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Requires leadership labs, participation in ROTC physical fitness program, and a weekend field training exercise. Prerequisite: MSL101 or instructor consent.

**MSL/PE119** (3)  
**LEADERSHIP IN PHYSICAL CONDITIONING** F/SP

Military conditioning with emphasis on leadership and leading small groups designed to progressively increase student physical fitness using U.S. Army physical conditioning methods and standards. This course is offered to all UOG students with no commitment to the Army ROTC program. Course will primarily be ability group oriented with emphasis on physical fitness goals and demonstrated abilities to lead physical training activities.

**MSL201** (2)  
**LEADERSHIP AND DECISION MAKING** F

This course explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practiced planning, executing and assessing team exercises and participating in leadership labs. Requires leadership lab, participation in ROTC physical fitness program and a weekend field training exercise. Prerequisite: MSL101, 102 or instructor consent.

**MSL202** (2)  
**ARMY DOCTRINE AND TEAM DEVELOPMENT** SP

This course examines the challenges of leading tactical teams in the complex contemporary operating environment (COE) and highlights dimensions of terrain analysis, patrolling, and operation orders. Continued study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations. Requires leadership lab, participation in ROTC physical fitness and a weekend field training exercise. Prerequisite: MSL101, 102, 201 or instructor consent.

**MSL251** (2)  
**RANGER CHALLENGE TRAINING** F

The Ranger Challenge training is a pass/fail course for any currently enrolled ROTC cadet. This course will challenge students to be proficient in military tactical skills while improving their physical fitness. This course will also instill confidence and challenge students to participate in the Ranger Challenge competition. Weekend training may be required. Travel lodging and meals for off-island competition provided at government expense. Prerequisite: Enrolled in ROTC program and instructor's consent.

**MSL252** (2)  
**PREPARATION FOR LEADER'S TRAINING COURSE (LTC)** SP

The preparation training for LTC is a pass/fail course. Students will develop their leadership and basic military skills while improving their physical fitness level in preparation for the Leader's Training Course. This course is designed to increase self-confidence through group training and activities. Weekend training may be required. Prerequisite: Instructor Consent.

**MSL292** (6)  
**CADET INITIAL ENTRY TRAINING (CIET)** SU

CIET is four weeks of intense classroom and field training held in the summer at Fort Knox, Kentucky. By transforming Cadets through this rigorous training, completion of MSL-292 qualifies a Cadet for entry in the Army ROTC Advanced Course,

provided the Cadet has two years of college remaining (undergraduate or graduate). Cadets who attend this pass/fail course are given instruction on basic soldiering skills as well as basic leadership training evaluation. Travel, meals, and lodging provided at government expense. Prerequisite: Professor of Military Science (PMS) approval.

**MSL298 (6)**  
**CADET PROFESSIONAL DEVELOPMENT TRAINING (CPDT) SU**

The CPDT program supplements campus training with practical leader development experiences and some additional skill identifier awarding courses. This is a Pass/Fail course only. Cadets train in Army schools with Active and Reserve units. Examples include Basic Airborne Course, Air Assault School, Mountain Warfare School, Nurse Summer Training Program, and Cadet Troop Leader Training. Travel, meals and lodging are provided at government expense. Prerequisite: PMS consent.

**MSL299 (3)**  
**INDIVIDUAL LEADERSHIP STUDIES FA/SP**

Directed reading and research in a military science related areas of concentration in this pass/fail course. Students select materials based on instructor approval. A maximum of three (3) credits can be applied to the minor requirements in this course series. Prerequisite: MSL101, MSL102 or instructor consent.

**MSL301 (3)**  
**TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS F**

Students will study, practice, and evaluate adaptive team leadership skills as they are presented with the demands of the ROTC Leader Development and Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self-awareness and critical thinking skills. Students will receive systematic and specific feedback on their leadership abilities. Requires leadership lab, participation in ROTC physical fitness program, and weekend field training exercises. **Prerequisite for Four-year program:** MSL 101, MSL 102, MSL 201, MSL 202 (or MSL 292), in Junior standing, and PMS Approval. **Prerequisite for Two year program:** MSL-292 and PMS Approval

**MSL302 (3)**  
**APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS SP**

Students will further study, practice, and evaluate adaptive leadership skills as they are presented with the demands of the ROTC Leader Development Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations are used to develop self-awareness and critical thinking skills. Students will receive systematic and specific feedback on your leadership abilities. Requires leadership labs, participation in ROTC physical fitness program, and weekend field training exercises. Prerequisite for Four-year program: MSL101, MSL102, MSL201, MSL202 (or MSL292), MSL301, and PMS Approval. Prerequisite for two-year program: MSL292, MSL301 and PMS Approval.

**MSL351 (2)**  
**RANGER CHALLENGE LEADERSHIP COURSE F**

The Ranger Challenge Leadership Course is a pass/fail course for any currently enrolled ROTC cadet. This course will challenge students to be proficient in military tactical skills while improving their physical fitness. Students at this level will serve in the leadership chain to junior 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.

**MSL392 (6)**  
**CADET LEADERSHIP COURSE SU**

The purpose of the CLC is a five-week summer program to evaluate and train all Army ROTC Cadets. This course normally takes place between the junior and senior years and is of intense classroom and field training held in the summer at Fort Knox, Kentucky. Travel, meals, and lodging provided at government expense. Prerequisite: MSL-302 and PMS approval.

**MSL398 (6)**  
**CADET PROFESSIONAL DEVELOPMENT TRAINING (CPDT) SU**

The CPDT program supplements campus training with practical leader development experiences and some additional skill identifier awarding courses. This is a pass/fail course only. Cadets train in Army schools with Active and Reserve units. Examples include Basic Airborne Course, Air Assault School, Mountain Warfare School, Nurse Summer Training Program, and Cadet Troop Leader Training. Travel, meals and lodging are provided at government expense. Prerequisite: PMS consent.

**MSL399** (3)  
**INDEPENDENT READING** As required  
Directed reading and research in a military science related area of concentration in this pass/fail course. Student selects materials based on instructor approval. A maximum of three (3) credits can be applied to the minor requirements in this course series. Prerequisite: PMS consent.

**MSL401** (3)  
**THE ARMY OFFICER** F  
This course develops student proficiency in planning, executing, and assessing complex operations, functioning as a member of a staff, and providing performance feedback to subordinates. Students are given situational opportunities to assess risk, make ethical processes prepare students to make the transition to becoming Army officers. Requires leadership lab, participation in ROTC physical fitness program, and weekend field training exercises.

**MSL402** (3)  
**COMPANY GRADE LEADERSHIP** SP  
This course explores the dynamics of leading in the complex situations of current military operations in the contemporary operating environment (COE). Students also explore aspects of interacting with non-government organization, civilians on the battlefield, and host nation support. Requires leadership lab, participation in ROTC physical fitness program and weekend field training exercises. Prerequisite for Four-year program: MSL101, MSL102, MSL201, MSL202 (or MSL 292), MSL301, MSL302, MSL 392, MSL401 and PMS Approval. Prerequisite for Two-year program: MSL292, MSL301, MSL302, MSL392 and PMS Approval.

## MODERN LANGUAGES

**CI101** (4)  
**ELEMENTARY CHINESE (MANDARIN I)** As Resources Permit/DE  
This is a beginning course in Mandarin Chinese with emphasis on listening, speaking, writing and grammar.

**CI102** (4)  
**ELEMENTARY CHINESE (MANDARIN II)** As Resources Permit  
This course is a continuation of CI101. Emphasis is on improving on and adding to the oral-aural competency gained in CI101. Reading in the Chinese language are also stressed, and more complex language structures and concepts are taught. Prerequisite: CI101 or the equivalent skill level.

**CI201** (4)  
**INTERMEDIATE CHINESE (MANDARIN I)** As Resources Permit  
This is the third semester of Mandarin Chinese. Emphasis is placed on advanced conversation, reading, and writing. Prerequisite: CI101 and CI102 or the equivalent skill level.

**CI202** (4)  
**INTERMEDIATE CHINESE (MANDARIN II)** As Resources Permit  
This is the fourth semester of Mandarin Chinese. Emphasis is placed on advanced conversation, reading, and writing. Prerequisite: CI101, CI102, and CI201 or the equivalent skill level.

**CK101** (4)  
**CONVERSATIONAL CHUUKESSE** As Resources Permit  
The purpose of this course is to teach basic conversational skills in Chuukese to students who begin the course with little or no formal training in the language.

**CK210** (4)  
**NEW CHUUKESSE ORTHOGRAPHY** As Resources Permit  
The purpose of this course is to teach the Chuukese new orthography to students with some oral proficiency in the language. Students taking this course are taught to spell words uniformly based on the Chuukese dialect spoken by most Chuukese.

**CM101** (4)  
**ELEMENTARY CHAMORRO** F/SP/ HYB  
This is a beginning course with emphasis on oral-aural competency.



- CM102** (4)  
**ELEMENTARY CHAMORRO II** SP  
This is a continuation of CM101. Emphasis is on improving and adding to the oral-aural competency gained in CM101. Reading in the Chamorro language is also introduced, and more complex language structures and concepts are taught. Prerequisite: CM101; two-year high school Chamorro, or consent of instructor.
- FR101** (4)  
**ELEMENTARY FRENCH I** As Resources Permit  
This is a beginning course with emphasis on grammar, conversation, reading, and French culture.
- FR102** (4)  
**ELEMENTARY FRENCH II** As Resources Permit  
This is a continuation of FR 101. It introduces students to further basic language skills. Prerequisite: FR101 or equivalent.
- GN101** (4)  
**ELEMENTARY GERMAN I** As Resources Permit  
This course includes a systematic coverage of the essentials of German, teaching communication by oral and written drills, reading practice, and listening experience. Selected text provides an introduction to German history and culture.
- GN102** (4)  
**ELEMENTARY GERMAN II** As Resources Permit  
This is a continuation of GN101. It introduces students to further basic language skills. Prerequisite: GN101 or equivalent.
- JA101** (4)  
**ELEMENTARY JAPANESE I** F/SP/DE/ HYB  
This course provides beginners with basic skills in listening, speaking, reading and writing in Japanese. Special Emphasis is on oral-aural skills.
- JA102** (4)  
**ELEMENTARY JAPANESE II** F/SP/DE  
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.
- JA105** (4)  
**BUSINESS JAPANESE I** As Resources Permit  
This is an alternative second semester course for Elementary Japanese, introducing the student to the vocabulary and practices peculiar to doing business with Japanese. This course (like JA102) completes the GE requirement in language. Language lab required. Prerequisite: JA101.
- JA201** (4)  
**INTERMEDIATE JAPANESE I** F/Even Years  
This is a course continuing the development of oral-aural, reading and writing skills begun at the elementary level. Prerequisites: JA102 with a grade of C or better or equivalent, or demonstrated control of its content.
- JA202** (4)  
**INTERMEDIATE JAPANESE II** SP/Odd Years  
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.
- JA215** (4)  
**JAPANESE FOR TOURISM** SP  
This course is designed to develop Japanese Language skills and cultural knowledge for the use in the tourism industry on Guam. (JA215 can be taken to replace Elementary Japanese II, JA 102, to satisfy general education requirements.) Prerequisites: JA101 with a grade of C or better or equivalent, or consent of instructor.
- JA217** (3)  
**JAPANESE CULTURE AND SOCIETY** F  
This course introduces some issues in contemporary Japanese society and examines how social and cultural factors influence social behaviors of the Japanese. A variety of videos will be used, as well as cultural demonstrations and guest speakers.

- JA301** (4)  
**THIRD YEAR JAPANESE I** F/Odd Years  
This course continues the emphasis on reading competency and further development of oral-aural skills. Pre-requisite: JA202 with a grade C or better or equivalent, or consent of instructor.
- JA302** (4)  
**THIRD YEAR JAPANESE II** SP/Even Years  
This is a continuation of Third Year Japanese I. Prerequisites: JA301 or demonstrated control of its content.
- JA401** (4)  
**FOURTH YEAR JAPANESE I** As Resources Permit  
This is a course with primary emphasis on reading authentic Japanese materials, i.e., newspapers, magazines, novels, rather than material developed for instructional purposes. Prerequisites: JA302 or demonstrated control of its content.
- JA402** (4)  
**FOURTH YEAR JAPANESE II** As Resources Permit  
This is a continuation of the reading of authentic Japanese materials. After completion of this course, the student should be able to read most Japanese publications. Prerequisites: JA401 or demonstrated control of its content.
- KO101** (4)  
**ELEMENTARY KOREAN I** F/SP  
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.
- KO102** (4)  
**ELEMENTARY KOREAN II** F/SP/HYB  
This is a continuation of KO101 Elementary Korean I. This course focuses on strengthening student's knowledge in Korean Language, including listening, speaking, reading, writing, vocabulary and grammar as well as developing context-base oral communication skills and increasing Korean cultural awareness. Prerequisite: KO-101 with a final grade of C or better in KO-101.
- PN101** (4)  
**CONVERSATIONAL POHNPEIAN** As Resources Permit  
The purpose of this course is to teach basic conversational skills in Pohnpeian to students who begin the course with little or no formal training in the language.
- SN101** (4)  
**ELEMENTARY SPANISH I** F/SP/DE/ HYB  
This is a beginning course with emphasis on grammar, conversation, reading, and Spanish culture.
- SN102** (4)  
**ELEMENTARY SPANISH II** F/SP/DE  
This is a continuation of SN101. It introduces students to further basic language skills. Prerequisite: SN101 or equivalent.
- TA101** (4)  
**CONVERSATIONAL TAGALOG** F/SP  
This is a beginning course, with emphasis on grammar, conversation, reading, writing and Tagalog culture.
- TA102** (4)  
**CONVERSATIONAL TAGALOG II** SP  
This course is a continuation of TA101. Further skills on grammar, conversation, and reading of Tagalog are covered.
- TA186** (4)  
**TAGALOG LANGUAGE WORKSHOP IN THE PHILIPPINES** As Resources Permit  
This is a travel course that builds on skills development in Tagalog 101, with emphasis on conversation, grammar, reading and writing of Tagalog, along with an emphasis on learning and understanding Philippines culture and history. Prerequisite: TA101 and Consent of Instructor.

## MUSIC (MU)

- MU101** (3)  
**MUSIC FUNDAMENTALS** F/SP  
This course is an applied introduction to the fundamental elements of music. Students learn the basics of music reading, dictation, composition and score familiarization in this studio course through project work. Western musical literature and its instruments are surveyed.
- MU102** (3)  
**WORLD MUSIC** F  
This course is an exploration into the music of various cultures of the world. A vast array of music will be heard from all continents except Antarctica. No previous music experience or music reading ability is necessary.
- MU104** (1)  
**UNIVERSITY SINGERS** F/SP  
This is an auditioned mixed chorus with previous experience required. The goal is the preparation and performance of a wide variety of choral literature. Vocal technique, sight reading, and music theory appropriate to choral music are taught. Prerequisite: audition. This course may be repeated for credit.
- MU105** (1)  
**BAND** F/SP  
This is an auditioned instrumental ensemble with previous instrumental study and performance experience required. The goal is the study, preparation, and performance of standard instrumental ensemble literature. It may be repeated for credit. Prerequisite: audition and consent of instructor.
- MU106** (3)  
**INTRODUCTION TO MUSIC** F/SP/DE  
This course is an introduction to perceptive listening covering musicians and styles of music from the Middle Ages to the present day. It is designed primarily for the general education program.
- MU110** (1)  
**CLASS VOICE** F/SP  
This is an introductory course in singing. The fundamentals of vocal technique which apply to most styles of singing are taught. Music reading appropriate for the singer is also emphasized. It is recommended that MU104 or MU304 be taken concurrently.
- MU121** (2)  
**BEGINNING CLASS PIANO** F  
This is the study of basic piano techniques and music fundamentals.
- MU122** (2)  
**INTERMEDIATE CLASS PIANO** SP  
A continuation of MU121, this course covers additional piano techniques, sight reading skills and applied music theory. A variety of compositional styles is explored. Prerequisite: MU121 or consent of instructor.
- MU160** (2)  
**MUSIC THEORY I** F/Odd Years  
This course is an introduction to elements of pitch and rhythm, triads and seventh chords, diatonic chords in major and minor keys, principles of voice leading, root position part writing, and harmonic progressions. Prerequisite: knowledge of music notation.
- MU161** (2)  
**MUSIC THEORY II** SP/Even Years  
A continuation of MU 160, this course covers triads and seventh chords in inversion, cadences, phrases, period forms, non-chords tones, use of the dominant seventh chord and other diatonic seventh chords, and part writing using inversions. Prerequisite: Completion of MU160 with a "C" or better or consent of instructor.

- MU170** (2)  
**EAR TRAINING I** F  
This course is designed to improve music aural comprehension for music majors and minors. Ear Training I is predominantly concerned with the recognition of all intervals, common scales and modes and all triads. Computer software is used as part of the training. Some rhythmic dictation and sight singing is also part of this course. Instructor's permission required.
- MU171** (2)  
**EAR TRAINING II** SP  
This course is designed to improve music aural comprehension for music majors and minors. Ear Training II is predominantly concerned with the recognition of 7<sup>th</sup> and 9<sup>th</sup> 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.
- MU202** (2)  
**APPLIED MUSIC** F/SP  
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.
- MU260** (2)  
**MUSIC THEORY III** F/Even Years  
A continuation of MU161, this course covers secondary dominant chords, secondary leading tone chords, modulations, binary and ternary forms, mode mixture, the Neapolitan chord, augmented sixth chords and part writing. Prerequisite: Completion of MU161 with a "C" or better or consent of instructor.
- MU261** (2)  
**MUSIC THEORY IV** SP/Odd Years  
A continuation of MU260, this course covers enharmonic spellings and modulations, ninth, eleventh and thirteenth chords, twentieth century practices, set theory, serialism, aleatoric and electronic music. Prerequisite: Completion of MU260 with a "C" or better or consent of instructor.
- MU302** (2)  
**INTERMEDIATE APPLIED MUSIC** F/SP  
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.
- MU304** (1)  
**UPPER DIVISION UNIVERSITY SINGERS** F/SP  
This is a concurrent upper division continuation of MU104 UNIVERSITY SINGERS. It may be repeated for credit. Prerequisite: An audition and at least junior class standing.
- MU305** (1)  
**UPPER DIVISION BAND** F/SP  
This is the study, preparation and performance of advanced instrumental ensemble literature. It may be repeated for credit. Prerequisite: MU105 or consent of instructor.
- MU306** (1-3)  
**SPECIAL TOPICS IN MUSIC** SP/Odd Years  
This course offers intensive study of a specific topic in Music. It may be repeated for credit, with transcript showing the topic studied, e.g., Piano Pedagogy, Music History. Prerequisite: MU101 or MU106.
- MU310** (3)  
**MUSIC HISTORY I** F/Even Years  
This is a survey of masterpieces and composers of music from the Medieval Era through the Baroque Era. Prerequisite: MU161 or consent of instructor.
- MU311** (3)  
**MUSIC HISTORY II** SP/Odd Years  
This course is a survey of masterpieces and composers of music from 1750 to the present. Prerequisite: MU161 or consent of instructor.

**MU315** (3)  
**INSTRUMENTAL TECHNIQUES** F/Odd Years  
This course is an applied introduction to woodwind, brass and percussion instrumental playing techniques, instrument maintenance, history methodology, pedagogy, and literature for solo and ensemble experiences. This course is designed to prepare students planning to teach in public school music programs. Prerequisite: MU161 or consent of instructor.

**MU321** (3)  
**CONDUCTING** F  
The study and application of basic conducting skills are covered in this course. Prerequisite: MU161 or consent of instructor.

**MU402** (2)  
**SENIOR RECITAL** F/SP  
This course offers individual instruction of an instrument or voice which requires the preparation, study and performance of a public senior recital. The recital should consist of at least three style periods and should be approximately forty minutes in length. Prerequisite: MU302.

## **NATURAL SCIENCE (NS)**

**NS101** (3)  
**INTRODUCTION TO PHYSICAL SCIENCE** As resources permit  
This is a survey course in Astronomy, Physics and Science Measurements. It consists of three hours of lecture per week. The lab, NS101L, MUST be taken concurrently. Prerequisite: MA085 a-b or MA089 or equivalent. Co requisite: NS101L.

**NS101L** (1)  
**INTRODUCTION TO PHYSICAL SCIENCE LABORATORY** As resources permit  
NS101L is the laboratory portion of NS101 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: NS101.

**NS102** (3)  
**INTRODUCTION TO PHYSICAL SCIENCE** As resources permit  
This is a survey course in Geology, Chemistry, and Special Topics in Science. It consists of three hours of lecture per week. The lab, NS102L, MUST be taken concurrently. Prerequisite: MA085 a-b or MA089 or equivalent. Co requisite: NS102L.

**NS102L** (1)  
**INTRODUCTION TO PHYSICAL SCIENCE LABORATORY** As resources permit  
NS102L is the laboratory portion of NS102 and MUST be taken concurrently. The course consists of one three-hour laboratory per week. Co requisite: NS102

**NS110** (3)  
**INTRODUCTION TO THE EARTH** As resources permit  
This course is a basic study of the earth's minerals, rocks and natural resources and the processes, which have shaped the earth's surface such as sedimentation, mountain building, and erosion by water, wind, ice and downslope movements. Major focus is placed on the roles of volcanism, earthquakes, sea-floor spreading and paleomagnetism in explaining plate tectonic theory. The importance of geological hazards to man's activities is investigated. It consists of three hours of lecture per week. The lab, NS110L, MUST be taken concurrently. Co requisite: NS110L.

**NS110L** (1)  
**INTRODUCTION TO THE EARTH LABORATORY** As resources permit  
NS110L is the laboratory portion of NS110 and MUST be taken concurrently. The lab includes mineral and rock identification, modeling of Earth structures, interpretation of field sites, and map interpretation. The course consists of one three-hour lab/field trip per week. Co requisite: NS110

**NS112** (3)  
**HISTORY OF THE EARTH** As resources permit  
This course offers a fundamental view of the geologic history of the earth, including its origin, physical development, and evolution of life as revealed in the fossil record. Interrelationships between physical and biological events are stressed. Emphasis is placed on the principles and methods used by geologists to unravel earth history. The geologic history of the Mariana Arc and the western Pacific, associated with field trips on Guam, is included.

It consists of three hours of lecture per week. The lab, NS112L, MUST be taken concurrently. Prerequisites: EN110. NS110-110L Introduction to the Earth is recommended. Co requisite: NS112L

**NS112L (1)**  
**HISTORY OF THE EARTH LABORATORY** **As resources permit**

NS112L is the laboratory portion of NS112 and MUST be taken concurrently. The lab includes analysis of sedimentary environments, fossil identification, interpretation of field sites, and geologic map interpretation. The course consists of one three-hour lab/field trip per week. Co requisite: NS112

**NS230 (3)**  
**INTRODUCTION TO ASTRONOMY** **As resources permit**

This introduction to astronomy covers topics relating to the solar system, the galaxy, stellar evolution, and cosmology. It consists of three hours of lecture per week. The lab, NS230L, MUST be taken concurrently. Prerequisite: MA110.

**NS230L (1)**  
**INTRODUCTION TO ASTRONOMY LABORATORY** **As resources permit**

NS230L is the laboratory portion of NS230 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: NS230.

**NS330 (4)**  
**METEOROLOGY** **As resources permit**

This is a course in atmospheric phenomena, methods and investigation, some of the methods of obtaining data and predictive weather, and an introduction to possible means of weather control. It consists of three hours of lecture per week. The lab, 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. Co requisite: NS330L

**NS330L (1)**  
**METEOROLOGY LABORATORY** **As resources permit**

NS330L is the laboratory portion of NS330 and MUST be taken concurrently. The course consists of one three-hour laboratory period per week. Co requisite: NS330.

**NS355 (3)**  
**TOPICS IN GEOLOGY** **As resources permit**

This course offers studies of selected topics in advanced geology, such as environmental geology, structures and plate tectonics, mineralogy, petrology, hydrology etc. With different subject matter, this course may be repeated for credit. The course involves three hours of classroom study per week. The lab, NS355L, MUST be taken concurrently for some topics, to be specified. Prerequisites: NS110-110L or NS112-112L or consent of instructor. Co requisite: NS355L (for some topics)

**NS355L (1)**  
**TOPICS IN GEOLOGY LABORATORY** **As resources permit**

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. Co requisite: NS355

**NS/AG 380 (4)**  
**PRINCIPLES OF SOIL SCIENCE** **F**

This course delves into the basic principles of the fundamentals of the chemical, physical, and biological properties of soils; their formation, fertility, and management, and the effects of inorganic and organic chemicals on soil processes and properties as they relate to environmental pollution. Two hours of lecture, one hour recitation and three hours laboratory weekly. Prerequisites: MA110 or higher and any two chemistry courses.

**NS/CH392 (1-3)**  
**LABORATORY TEACHING AND ASSISTING** **As resources permit**

This course provides for practical educational experience in undergraduate course laboratories. It may be taken more than once for credit. Prerequisites: Completion of the course in which the laboratory is offered, or of an equivalent course and consent of instructor.

**NS491  
SEMINAR**

**(1)  
As resources permit**

This course is based on discussion of current problems, discoveries, and trends in the physical sciences, based primarily on student reviews of pertinent literature. May be taken more than once for credit with consent of program faculty. Prerequisite: Upper division standing and consent of program faculty.

**NS495  
SENIOR THESIS**

**(3)  
As resources permit**

This course offers preparation of a thesis based on field and/or laboratory investigation of a subject chosen by the student from the physical sciences and approved by the Physical Science faculty. Although the thesis shall emphasize physical science, it may be interdisciplinary and involve engineering, biology, geography, etc. It is generally undertaken in the senior year but may be started in the junior year. Eligibility for this course is based on consultation with the faculty advisor. An oral presentation by the student is also required.

**NURSING (NU)**

**NU112  
MEDICAL TERMINOLOGY**

**(2)  
F/SP/SU**

This course introduces prefixes, suffixes, and root words used in medical language. A basic understanding of the language used in medicine and nursing will enable the health care professional or community member to communicate more effectively and efficiently with other members of the health professions. Analysis, spelling, pronunciation, and application of medical terms and abbreviations will be emphasized. This course is open to nursing majors as well as non-nursing majors. It may also be taken by restricted students.

**NU200B  
COMMUNICATION AND MENTAL HEALTH CONCEPTS**

**(3)  
F**

This course introduces students to basic nursing concepts and the nursing process as applied to the individual client. Students learn the role necessary to attain and maintain health. Prerequisites: California Reading Test at 12<sup>th</sup> 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. Co requisite: NU214, BI225, BI225L and ED201.

**NU202B  
FUNDAMENTALS OF NURSING**

**(4)  
SP**

This course introduces students to basic nursing concepts and the nursing process as applied to the care of individual clients. Students learn the role of the nurse as provider of care and basic skills necessary to attain and maintain health. Prerequisites: NU200B, NU214, BI225-1225L, ED201 and consent of instructor. Co requisites: NU203B, NU204B, NU205B NU207B and AL185.

**NU203B  
FUNDAMENTALS OF NURSING PRACTICUM**

**4)  
SP**

This course applies the nursing process to the care of individual clients. Students demonstrate the role of provider of care and apply basic skills necessary to attain and maintain health in the clinical setting. Prerequisites: NU200B, NU214, BI225-225L, ED201 and consent of instructor. Co requisite: NU202B, NU204B, NU205B and NU207B and consent of instructor.

**NU204B  
HEALTH ASSESSMENT**

**(2)  
SP**

This course focuses on assessment, which is the first step of the nursing process. Students learn and practice skills and techniques to assess physical, psychosocial, cultural, spiritual and developmental variables in well clients across the lifespan. Prerequisite: NU200B, NU214 ED201, BI225-225L or consent of instructor. Co requisite: NU202B, NU203B, NU205B and NU207B.

**NU205B  
HEALTH ASSESSMENT PRACTICUM**

**(1)  
SP**

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. Co requisite: NU202B, NU203B, NU204B and NU207B.

**NU207B  
PHARMACOLOGY IN NURSING**

**(2)  
SP**

This course presents the basic concepts of medication usage, dosage computations, and medication administration skills. The use of the nursing process when administering medications is presented. Prerequisites: BI225-225L, ED201, NU200B, NU214 and consent of instructor. Co requisite: NU202B, NU203B, NU204B and NU205B.

- NU212** (3)  
**EMPOWERMENT STRATEGIES FOR NURSING STUDENTS** F/SP/DE  
This course focuses upon empowerment strategies for college success, with an emphasis on particular skills and techniques critical to growth and success in the nursing curriculum. Students learn in-depth skills related to study habits, time management, stress management, and assertive communication, and are expected to apply this knowledge to nursing and other college courses. Students will have the opportunity to determine their individual learning goals and implement a plan to meet these goals. This course is open to pre-nursing majors and nursing majors. It may also be taken by restricted students.
- NU214** (1)  
**DOSAGE CALCULATION** F/SP, As resources permit  
This course focuses on methods of calculating dosages for various drug forms and routes of administration, verifying accuracy of calculations and determining applicability of calculated dosages to route of administration and modes of delivering medications. Prerequisites: EN111, MA151 and consent of instructor. Co requisite: NU200B, BI225-225L, and ED201.
- NU223** (1)  
**CLINICAL MENTORSHIP** SU  
The clinical mentorship course will provide an opportunity to increase students' clinical experience. Students will be assigned a nurse-mentor recommended by the various health facilities. This course is designed for intensive clinical training. Students will register for the course to earn 1 credit (45 hours). Prerequisites: NU202, NU203, NU204, NU205, NU207 and Instructors consent.
- NU300S** (3)  
**COMMUNICATION AND MENTAL HEALTH CONCEPTS** F  
This course focuses on establishing helping relationships through self-awareness, self-responsibility, and communication skills. Students apply theories of the emotions, crisis, stress, cultural diversity, and caring to client care. Prerequisites: AN101 CO210, EN111, PY101, admission to the second-step BSN program, and consent of instructor. Co requisite: ED201.
- NU302B** (6)  
**ADULT HEALTH NURSING** F  
This course focuses on interventions that restore and maintain health in the adult client system. The physiologic alterations discussed include physiological, sociocultural, spiritual, and developmental functions. This course will focus on medical-surgical nursing, specifically the care of the client with diseases of the respiratory, cardiac, hematology, renal, and musculoskeletal systems, and the client experiencing chronic illness, peri-operative nursing, and cancer. Prerequisites: AL185, NU202B, NU203B, NU204B, NU205B, NU207B, and consent of instructor. Co requisites: NU303B and NU310 or consent of instructor.
- NU303B** (4)  
**ADULT HEALTH PRACTICUM I** F  
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. Co-Requisite: NU302B and NU310.
- NU304B** (6)  
**FAMILY HEALTH NURSING** SP  
This course focuses on contemporary concepts and theories about families. Students will apply the nursing process in the study of primary interventions and health promotion with continued consideration of secondary and tertiary interventions. Emphasis is on child bearing and child rearing families. Prerequisites: NU302B, NU303B, NU310. Corequisites: NU305B or consent of instructor.
- NU305B** (4)  
**FAMILY HEALTH NURSING PRACTICUM** SP  
This course focuses on the application of contemporary concepts and theories about families. Students apply the nursing process in provision of primary nursing interventions. Clinical experiences are in a variety of community and/or acute care settings with childrearing families. Prerequisites: NU302B, NU303B, NU310 Co requisites: NU304B, or consent of instructor.



- NU306S** (2)  
**HEALTH ASSESSMENT** SP  
This course focuses on assessment, which is the first step of the nursing process. Students learn and practice skills and techniques to assess physical, psychosocial, cultural, spiritual, and developmental variables in well clients across the lifespan. Prerequisites: Enrollment in the Second-Step BSN program track, or RN/GN with consent of instructor. Co requisite: NU307S, NU324S, NU325S or RN/GN employed in a clinical setting.
- NU307S** (1)  
**HEALTH ASSESSMENT PRACTICUM** SP  
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. Prerequisite: Co requisite: NU306S, NU324S, NU325S, or RN/GN employed in a clinical setting.
- NU308** (3)  
**PSYCHIATRIC MENTAL HEALTH NURSING** F  
This course focuses on the use of the nursing process to foster mental health with individuals, families and groups exhibiting maladaptive behavior. Emphasis is on secondary and tertiary intervention in institutional and community settings using therapeutic communication, group therapy, and other modalities in collaboration with other care providers. Prerequisites: NU302B, NU303B, NU304B, NU305B, or NU324S, NU325S or instructor permission. Co requisites: NU309, NU412, NU403, NU416 or instructor permission.
- NU309** (2)  
**PSYCHIATRIC NURSING PRACTICUM** F  
This course focuses on application of the nursing process to address community health and psychiatric mental health. Emphasis is on primary, secondary, and tertiary intervention in institutional and community settings. Prerequisites: NU302B, NU303B, NU304B, NU305B, or NU324S, NU325S or instructor permission. Co requisites: NU308, NU412, NU403, NU416 or instructor permission.
- NU310** (3)  
**PATHOPHYSIOLOGY** F  
This course explores the basic physiologic mechanism of disease across the lifespan. Major pathophysiology concepts, with emphasis on assessment and analysis, pertinent to clients with an illness are presented. The focus of this course will be chronic illness, cancer, and diseases of the respiratory, cardiac, hematologic, renal, and musculoskeletal systems. Prerequisites: for Generic Program: 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.
- NU324S** (3)  
**PROFESSIONAL NURSING** SP  
This course serves as the transition or bridge course for the registered or graduate nurse to integrate previous nursing education with the philosophy of baccalaureate nursing education. The emphasis is on the synthesis of nursing concepts and the nursing process within a theoretical base. In addition, this course serves to update the RN/graduate nurse student on current issues in practice, health care management, as well as ethical/legal and other professional issues. Prerequisites: EN111, Chemistry 6-8 credits with lab, Anatomy and Physiology 6-8 credits with lab, microbiology with lab, AL185, and NU300S or equivalent. Co requisites: NU306S, NU307B, NU325S.
- NU325S** (3)  
**PROFESSIONAL NURSING PRACTICUM** SP  
This course is the clinical component for the professional application of the nursing process and nursing theory course. The nurse develops her/his experience to meet individual professional goals. Each student follows one or more families as a client system for the experience of assessing intrapersonal, interpersonal, and extra personal stressors and implementing primary, secondary and/or tertiary interventions. Prerequisites: Chemistry with lab, Anatomy and Physiology with lab, microbiology with lab, -AL185 and NU300S. Co requisites: NU306S, NU307B, NU324S.
- NU326** (2)  
**NURSING MANAGEMENT** SP  
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. Co requisites: NU302B, NU303B, NU304B, NU305B or consent of instructor

- NU/AN/SO344** (3)  
**AGING: MYTH & REALITIES** F  
This course explores major issues and concepts pertinent to the study of the aging process (gerontology). The prevailing theories of the social/biological aging process and the economics, physical and psychological problems that might arise in late life are presented. Students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving.
- NU403** (3)  
**COMMUNITY HEALTH NURSING PRACTICUM** F  
This course focuses on application of the nursing process to address community health and psychiatric mental health. Emphasis is on primary, secondary, and tertiary intervention in institutional and community settings. Prerequisites: NU302B, NU303B, NU304B, NU305B, NU310 or NU324S, and NU325S or instructor permission. Co requisites: NU308, NU309, NU412, NU416 or instructor permission.
- NU412** (3)  
**COMMUNITY HEALTH NURSING** F  
This course presents principles of community health nursing. The focus is on primary, secondary, and tertiary interventions for client systems including individuals, families, aggregates and communities. Health care policy issues and political strategies are also addressed. Prerequisites: NU302B, NU303B, NU304B, NU305B, NU310, or NU324S and NU325S, or instructor permission. Co requisite: NU308, NU309, NU403, NU416, or instructor permission.
- NU415** (3)  
**INDEPENDENT NURSING PRACTICUM** SP  
This course provides practice in a specialty area of the student's choice. The student functions in the role of a beginning practitioner with supervision and guidance faculty and an expert nurse preceptor. Prerequisites: NU403, NU412, NU416. Corequisite: NU418, NU419, NU420.
- NU/HS416** (3)  
**RESEARCH IN NURSING AND HEALTH SCIENCES** F  
This course focuses on the research process and the use of research in nursing. The roles of the consumer of research, critical thinker, and leader in professional nursing are integrated through the use of the research process. Prerequisites: Prerequisite: HS405. Corequisite: MA387 and MA387L.
- NU418** (3)  
**LEADERSHIP IN NURSING** SP  
This course focuses on the nurse's role as leader and manager of client care within an organizational structure. Students and faculty will discuss the application of leadership and management theory in the practice setting. Prerequisites: NU403, NU412 and NU416. Nurses in practice/leadership positions can take this course without being enrolled in the nursing program. Co requisites: NU415, NU419, NU420
- NU419** (1)  
**LEADERSHIP IN NURSING PRACTICUM** SP  
This practicum course provides an opportunity for the student to apply leadership and management theory in a selected practice situation. Prerequisites: NU412, NU403, and NU416. Nurses in practice/leadership positions can take this course without being enrolled in the nursing program. Co requisite: NU418, NU420, NU415.
- NU420** (2)  
**TRENDS IN NURSING** SP  
This course includes a comprehensive study of the major historical, social, political, and educational changes that have influenced the practice of nursing, nursing education, and health care. The focus of this course is on the ethical and legal problems affecting nursing care. Building from this overview, the students are prepared to meet the challenge of the rapidly changing environment in which nurse's practice. Prerequisites: NU403, NU412, and NU416. Co requisites: NU415, NU418, NU419.

## **PUBLIC ADMINISTRATION (PA)**

- PA201** (3)  
**PUBLIC ADMINISTRATION IN GUAM AND IN THE WESTERN PACIFIC** F/SP  
This course examines the historical context of Public Administration institutions in Guam and in the Western Pacific and applies the concepts of efficiency, economy and effectiveness of the study, design and delivery of island public services. The course also examines public administration approaches, methods and techniques which can (a) contribute to a strengthening of managerial capacity and capability among government institutions in Guam and in the Western Pacific, and (b) improve and enhance the overall quality and accessibility of island public services. The course is designed to better prepare present and future public administrators for the challenges they face or will encounter in the public administration profession in Guam and in the Western Pacific.
- PA205** (3)  
**BASIC STATISTICS FOR BUSINESS AND ECONOMICS** F/SP  
This course is an introduction to the modern theory and methodology of statistics, which are then reinforced by using a scientific approach combined with a statistical software to solve problems relevant to business, economics and public administration. The course is ideal as a prerequisite for taking BA310 (Applied Statistics for Business and Economics) or PA305 (Data Analysis in Public Administration). Prerequisite: MAl10 or higher with a grade of "C" or better.
- PA206** (3)  
**PUBLIC HEALTH AND DISEASE MANAGEMENT** F  
This course is an introduction to the history of public/private health care and the establishment of the present-day health care system. The class is designed to teach the conceptual difference between health and disease, wellness and sickness, and their changing patterns. Local and federal laws, policies, rules and regulations for the provision of physical and mental health, and social services are explored and analyzed. Special emphasis is placed on the ethical issues of health and social care.
- PA207** (3)  
**ADMINISTRATION OF HEALTH CARE SERVICES** F  
The course introduces the student to the management of contemporary health care and social services systems. It examines the structure and function of health care and social services institutions, including the historical developments and the political, economic, and socio-cultural issues that molded them. This knowledge is integrated into the organizational environment and dynamics of the local institutions and helps with the examination of their management practices. Various management styles and their effectiveness are analyzed and discussed.
- PA210** (3)  
**PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS** F/SP  
This course covers the functioning of public administration and management in government structures; the history and environment of public administration and management in the U. S. and in the Government of Guam; the development and application of concepts, principles, and techniques of public administration and management in the public sector; and problems, issues, needs, achievements in public administration and management.
- PA215** (3)  
**SUPERVISION IN GOVERNMENT ORGANIZATIONS** F/SP/DE  
This course examines the operations and structure of government organizations from a supervision point of view. The course instructs students in critical supervisory theories, techniques and skills necessary for attaining superior results and accountability in government and not-for-profit organizations. The course is designed to assist students in becoming effective supervisors in public organizations and presents supervisory concepts organized around various functions such as planning, organizing, directing and controlling. The course equips Public Administration, Criminal Justice and other students with the supervisory skills they will need for growth of professional competence in the public service.
- PA233** (3)  
**IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS** F/SP  
This course offers an overview and rationale of public policies and administrative regulations as applied to the private sector, analysis and implementation of public policies/regulations; substantive, methodological and practical problems and issues of public policies and regulatory administration toward business by Federal, State and Local government, and governments in the Asian-Pacific region.

- PA303** (3)  
**GOVERNMENT FINANCE** F/SP  
This is a survey of public financial administration; the budgetary process; the budget as an instrument of fiscal policy; sources of revenue; the procurement function; financial planning; and control.
- PA304** (3)  
**GOVERNMENT PUBLIC INFORMATION** F/SP  
This course covers the basic principles underlying public information and public relations activity and community relations practices of government; rudiments of techniques used in public information activity and public and community relations practices of government in dealing with the citizenry.
- PA305** (3)  
**DATA ANALYSIS IN PUBLIC ADMINISTRATION** F/SP  
This course provides students with basic research tools used in of public administration, criminal Justice, and other applied fields. Emphasis is given to data collection, analysis, and interpretation skills. Major topics include research methods and techniques to study planning, organizing, staffing, directing, reporting and budgeting. Applied policy research is the consistent theme for this course. Prerequisites: BA130 with a C grade or better.
- PA306** (3)  
**HEALTH CARE PLANNING AND EVALUATION** SP  
This course is designed to teach the fundamental techniques, methodologies and political constraints of population-based planning for human services, with an emphasis on health. It explores the origins and purpose of planning and the planning process as a means of implementing social change. Existing planning policies are presented and analyzed with the objective of formulating an outline for a health or social plan for the community. Special emphasis is placed on the evaluation process. A local, national and international perspective of health and social planning is utilized in teaching this course.
- PA307** (3)  
**THE ECONOMICS OF HEALTH CARE** SP  
This course investigates the system of economics and the application of classical and modern economic theories to the health care field and social services organizations. During the course students investigate the decision-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/BA347** (3)  
**LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY** F/SP/SU  
The course integrates personal leadership with collaboration and networking for organizational performance and societal gain. The course strengthens practical leadership and collaborative skills. Prerequisites: BA240 (for BBA majors) or PA210 (for PA majors).
- PA401** (3)  
**COMMUNITY PLANNING** SU  
This course is an introduction to community planning; relationships of physical form to environment, function, aesthetic principles, cultural values, planning as a synthesis of a frame of reference based on economics, political, social, cultural, physical, and administrative factors.
- PA402** (3)  
**PUBLIC ADMINISTRATION AND PUBLIC POLICY** F/SP  
PA402 is the Capstone Course in the BSPA degree program. The course examines the public policy process (i.e, formation, implementation, and evaluation) in public administration and governance and examines a broad range of substantive public policies (U.S. Federal, Guam, Regional, and International). The course also integrates a variety of basic policy techniques of analysis and the application of models in public administration to help better understand public-policy making and its impact on government and societal institutions. Students will learn practical tools in developing public policy and in concepts and techniques of policy development, analysis. The course will employ case studies to illustrate concepts and techniques of policy development, analysis, and debate. Students will utilize these tools in developing, analyzing, and presenting a final capstone public policy case study at the end of the course. Prerequisite: Graduating Senior and Consent of Instructor.

**PA403** (3)  
**PUBLIC PERSONNEL ADMINISTRATIZON** F/SP  
This course covers the development and management of human resources; history of the Civil Service career system; training practices; human relations in supervision; Issues and cases in professional leadership ethics in SBPA disciplines with case study examples from the United States, Guam, Asia and the Western Pacific provides the framework for the course. Codes of conduct, clientele and organizational relationships, legal requirements and professional accountability are studied with a leadership ethics emphasis for the public and private sector.

**PA405** (3)  
**LEADERSHIP ETHICS IN THE PROFESSIONS** F/SP  
Issues and cases in professional leadership ethics in SBPA disciplines with case study examples from the United States, Guam, Asia and the Western Pacific provides the framework for the course. Codes of conduct, clientele and organizational relationships, legal requirements and professional accountability are studied with a leadership ethics emphasis for the public and private sector.

**PA420** (3)  
**PUBLIC FINANCE AND FISCAL POLICY** F/SP  
This course is a study of the manipulation of spending and tax revenue by governmental bodies in such a way as to affect the levels of output, employment, income, and prices in the economy; public financial administration; budgeting, procurement, planning, and control.

**PA490** (3)  
**SPECIAL PROJECT IN PUBLIC ADMINISTRATION** F/SP  
This special research course is intended to acquaint Criminal Justice and Public Administration majors with the contemporary principles and techniques of research in these disciplines. Students organize and participate in a major or research endeavor focusing on Criminal Justice/Public Administration topics dealing with Guam and the Asian- Pacific region. Prerequisite: Instructor's consent.

**PA498** (3)  
**PUBLIC ADMINISTRATION INTERNSHIP** F/SP  
This course provides qualified students with the opportunity to gain experience in public and criminal justice administration. Students are placed in government agencies and related organizations and work under the supervision of a management official. Students must consult with the Internship Coordinator prior to enrolling. Prerequisite: Instructor's consent.

## **PHYSICAL EDUCATION/ SCHOOL HEALTH (PK-12) (PE)**

**PE109** (3)  
**TECHNOLOGY IN PHYSICAL EDUCATION** As Resources Permit  
This course provides students with an introduction to the types of technology utilized in physical education and health. Students learn to find and access search engines and data bases to create authentic assessments. Students also learn how to research and write grants to supplement and fund physical education/health budgets. Prerequisites: None

**PE117** (3)  
**FOLK, SQUARE, AND SOCIAL DANCE** FA/Even Years  
This course includes the fundamental techniques and terms common to dance. Basic skills for educational dance programs are emphasized, to include, but not limited to world folk dances, American square and country/western line dances, and social/ballroom. Historical, multicultural concepts, and etiquette related to dance are included. Students will be introduced to basic style and choreography appropriate to each dance form.

**PE118** (3)  
**OUTDOOR PURSUITS AND RACQUET SPORTS** SP  
This course introduces the student to the basic concepts and skills of outdoor pursuits and racquet sports in the school setting. Emphasis is on the development of enjoyable and appropriate cooperative and competitive modes of behavior. This includes skill acquisition, explanation/ demonstration of skills, appropriate progressions, safety, etiquette, and self-awareness. Attention is given to healthful approaches for vigorous lifetime physical activity. Prerequisite: NONE

- PE/MSL119** (3)  
**LEADERSHIP IN PHYSICAL CONDITIONING** F/SP  
Military conditioning with emphasis on leadership and leading small groups designed to progressively increase student physical fitness using U.S. Army physical conditioning methods and standards. This course is offered to all UOG students with no commitment to the Army ROTC program. Course will primarily be ability group oriented with emphasis on physical fitness goals and demonstrated abilities to lead physical training activities.
- PE124** (3)  
**INDIVIDUAL SPORTS** F  
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
- PE125** (3)  
**WILDERNESS SPORTS AND ADVENTURE EDUCATION** As Resources Permit  
This course provides students with opportunities to participate in physically challenging outdoor activities such as camping, backpacking, canoeing, hiking, mountaineering, orienteering, and windsurfing. Students engage in initiatives where obstacles are contrived and environments are created that challenges students to work with individuals and groups to solve problems. Prerequisites: None
- PE126** (3)  
**OUTDOOR TEAM SPORTS** F  
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.
- PE127** (2)  
**INTRODUCTION TO TUMBLING AND RHYTHMIC GYMNASTICS** F/Even Years  
This course introduces the student to the concepts and procedures for teaching basic tumbling and rhythmic gymnastics in a school setting. Emphasis is given equally to safety, skill acquisition, spotting techniques, explanation/demonstration of skills, and appropriate progressions for a tumbling program. Students are provided with the opportunity to acquire skills and spotting techniques for basic stunts, balances, and rhythmic gymnastics.
- PE212** (3)  
**MOTOR LEARNING** F/Odd Years  
This course provides students with an understanding of the processes that underlie human movement learning. Students learn how to assess performance and provide effective instruction that optimizes skill acquisition and performance.
- PE214** (3)  
**COMMUNITY HEALTH FOR EDUCATORS** F/Even Years  
This course provides students who are interested in teaching health in the 6-12 setting, an introduction to the various aspects of community health at the local, federal, and international levels. This course introduces students to the discipline of community health education and examines the social/political reasons why community health problems continue to exist. Students think critically on issues concerning the legislation and financing of health care services as well as view a community's health status as a part of a larger, global community. Prerequisites: HS200.
- PE220** (3)  
**INDOOR TEAM SPORTS** F  
This is a professional preparation course providing instruction in a variety of team sports that are included in the schools. Analysis of skills, drills, strategies and rules are addressed as well as teaching strategies for different age groups and skill level. Prerequisite: None
- PE251** (3)  
**EDUCATIONAL GYMNASTICS, DANCE, AND GAMES** F/Odd Years  
This course provides students with an understanding of fundamental movement concepts that underlie educational gymnastics, dance, and games at the PK-12 levels. Students learn how to plan developmentally appropriate activities and assess student performance toward learning objectives. Prerequisites: None
- PE305** (3)  
**HISTORICAL AND PHILOSOPHICAL FOUNDATIONS OF PHYSICAL EDUCATION** F/Even Years  
This course reviews the history of sport, fitness and physical education; the impact that events have had on their development; and how physical education, fitness and the use of sport is influenced by society.

Emphasis is placed on philosophical perspectives and ethical values of this profession for the educator. Content is devoted to the study and understanding of sport and physical activity within numerous cultures throughout history to support diversity and help students consider the multiple perspectives expressed through the incorporation of sport and physical activity. This course includes discussion of current theories, philosophies, and practices in the profession.

**PE312**

(3)

**SCHOOL HEALTH**

**SP/Odd Years**

This course provides students who are interested in teaching health in the 6-12 setting, an in-depth understanding of personal health issues and health issues in general that affect students in the 6-12 setting. This course integrates the concepts of the Coordinated School Health Program (CSHP). Prerequisite: HS200, PE214.

**PE/ HS322**

(3)

**KINESIOLOGY**

**F**

Kinesiology is the study of the human body from the viewpoint of the physical sciences. It is an essential part of the educational experience of students of physical education, dance, sport, and physical medicine. The function of the course is to contribute not only to successful participation in various physical activities, but also to the improvement of the human structure through the intelligent selection of activities and the efficient use of the body. Prerequisites: Grade of C or better in EN111 and BI124-124L.

**PE/HS324**

(3)

**EXERCISE PHYSIOLOGY**

**SP**

This course is designed to assist potential teachers and others involved in activity programs to be safely effective in the gymnasium and on the athletic playing field. Study focuses on how the body, from a functional standpoint, responds and adjusts to exercise. Both acute and prolonged (chronic) exercises, as used in exercise training, are considered. Prerequisites: Grade of C or better in EN111, BI124-124L, BI125-125L, BI125-125L or consent of instructor required.

**PE326**

(3)

**SPORTS INSTRUCTION/ATHLETICS I**

**As Resources Permit**

This course provides students who are interested in sports instruction for individual and team sports at the elementary level, with an understanding of developmentally appropriate practices. This course specifically focuses on appropriate skill development, sport pedagogy, organization and administration, nutrition, and risk management specific to the elementary level. Observation and service learning experiences provide for application of classroom material. The course also prepares students to take the American Sport Education Program (ASEP) exam. Prerequisites: ED201, PE212, PE352

**PE352**

(3)

**METHODS OF TEACHING ELEMENTARY PHYSICAL EDUCATION F**

This course focuses upon planning, implementing, and assessing developmentally appropriate physical education, dance and health programs that meet national standards and the diverse needs of students in pre-K- 6 grade. Prerequisite: ED201, ED300, with grades of C or above.

**PE353**

(3)

**METHODS OF TEACHING MIDDLE AND HIGH SCHOOL HEALTH AND PHYSICAL EDUCATION**

**SP**

This course prepares the physical or health Teacher Candidate to develop and present physical education and health programs that meet the needs of all students in the secondary school setting including those with disabilities or health-related limitations. Attention is given to develop knowledge, skills and dispositions required to implement and assess developmentally appropriate secondary programs. Prerequisites: ED201, ED300, with a grade of C or better. Students must have been admitted to the Concentration in Teaching Physical Education.

**PE426**

(3)

**SPORTS INSTRUCTION/ATHLETICS II**

**As Resources Permit**

This course provides students who are interested in sports instruction for individual and team sports at the secondary level, with an understanding of developmentally appropriate practices. This course specifically focuses on appropriate skill development, sport pedagogy, organization and administration, nutrition, and risk management specific to the secondary level. Observation and service learning experiences provide for application of classroom material. The course also prepares students to take the American Sport Education Program (ASEP) exam. Prerequisites: ED201, PE212, PE353

**PE/BA446**

(3)

**ENTREPRENEURSHIP: NEW VENTURE CREATION**

**SP**

Provides an opportunity to develop a business plan through the application of the principles, theories and practices learned in the previous entrepreneurship courses.

Emphasis will be placed on the practicability of the plan and the ability to present the concept as a viable and profitable business venture.

**PE454/G (3)**  
**ADAPTED AND DEVELOPMENTAL PHYSICAL EDUCATION SP/ Even Years**

This course emphasizes assessment, design, and implementation of physical education that meets the developmental characteristics and special needs of pre-school and school age children, youth, and adults including those with disabilities or health related impairments. Particular attention is paid to adaptations to instruction, equipment and facilities to accommodate and individualized PE instruction for students with disabilities in schools and participants in community settings. Prerequisite: ED201, ED300 with a grade of "C" or above.

**PHYSICS (PH)**

**PH210 (1)**  
**INTRODUCTORY PHYSICS LABORATORY F**

This course consists of experiments dealing with mechanics, heat, and sound. It acts as a laboratory for PH251. It meets for three hours weekly.

**PH211 (1)**  
**INTRODUCTORY PHYSICS LABORATORY SP**

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.

**PH251 (4)**  
**UNIVERSITY PHYSICS F**

This is the first of a two-semester course in general physics using applied calculus. Classical mechanics, heat and thermodynamics are considered. It includes four hours of lecture per week. Prerequisite: MA203 or concurrent enrollment.

**PH252 (4)**  
**UNIVERSITY PHYSICS SP**

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.

**PH301 (3)**  
**MECHANICS F/Odd Years**

Mechanics is the study of static, kinematic, and dynamic principles. It includes four hours of lecture per week. Prerequisite: PH252.

**PH305 (3)**  
**THERMODYNAMICS SP/Odd Years**

Thermodynamics includes the consideration of temperature, equations of state, heat, the first law, the second law, entropy, thermodynamic functions, introduction to kinetic theory and statistical mechanics, and applications to related scientific areas. It consists of three hours of lecture per week. Prerequisite: PH252.

**PHILOSOPHY (PI)**

**PI101 (3)**  
**INTRODUCTION TO PHILOSOPHY F/SP/DE**

This course introduces the student to the nature of philosophy and to philosophical thinking. Major areas of philosophical inquiry developed in Western and Eastern traditions are considered.

**PI102 (3)**  
**CONTEMPORARY ETHICAL PROBLEMS F/SP/DE**

This course provides a careful and critical examination of the moral issues in our society, such as abortion, euthanasia, sex roles, affirmative action, censorship of pornography, economic injustice, environmental control, and the treatment of animals. A brief introduction to some of the basic issues and theories in ethical thought is covered so as to better prepare the student to engage in ethical reasoning.



- PI103** (3)  
**INTRODUCTION TO ASIAN PHILOSOPHY** F  
This course introduces the student to philosophical thinking as it developed in the Asian traditions. The course covers schools of thought that developed in India, China, and Japan. Philosophical speculation that grew out of the Hindu, Buddhist, Jain, Confucian, Taoist, and Shinto religions is the principal focus of the class.
- PI210** (3)  
**INTRODUCTION TO LOGIC** F  
This is a philosophy methods course that provides an introduction to the study of formal and informal arguments. Skills to be covered include the identification and analysis of arguments, recognition of fallacies, and modern techniques for analyzing and symbolizing certain kinds of arguments.
- PI220** (3)  
**ETHICAL THEORY** SP/DE  
This is a philosophy methods course on ethical reasoning and an *essential course* for anyone interested in personal, social, or professional ethics. It examines classical and contemporary writings on such standard moral concerns as theories of moral conduct, moral education, and moral justification.
- PI301** (3)  
**HISTORY OF WESTERN PHILOSOPHY I** F/Even Years  
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.
- PI302** (3)  
**HISTORY OF WESTERN PHILOSOPHY II** SP/Odd Years  
This course is a continuation of the philosophical survey begun in PI301 covering principal issues and philosophical figures that dominate the modern and contemporary periods of philosophy. Emphasis again is on pivotal Western philosophers and their influence on the development of Twentieth Century philosophy.
- PI306** (3)  
**PHILOSOPHY OF RELIGION** SP/DE  
This course acquaints the student with the many topics central to the philosophy of religion. This objective is accomplished through surveying the historical writings of thinkers who have made major contributions to this area and covering the most recent discussions in the field of philosophical theology. The first section covers evidential list and anti-evidentialist attempts to support or discredit the religious hypothesis. Proofs of God's existence, the interrelationship between reason, faith, revelation, and science, God's attributes, the problem of evil, the nature of mysticism and religious experience, and reactions to theism are discussed.
- PI/FA331** (3)  
**PHILOSOPHY OF ART** SP/Even Years  
This course is a study of the major philosophical positions taken in relation to the arts. Prerequisites: FA231 or consent of instructor.
- PI348** (3)  
**THANATOS: DEATH AND DYING** SP  
This course looks at the central social, psychological, theological, and philosophical issues associated with the phenomenon of death. The scope of this course is extremely broad so as to meet the widest range of student's needs and interests. While a significant part of the course touches upon relevant professional and moral aspects of treating dying patients in the medical profession, the course also surveys how philosophers and theologians throughout the world have speculated about death and the afterlife.
- PI480** (3)  
**SELECTED STUDIES IN ASIAN PHILOSOPHY** SP  
This course is dedicated to some specific tradition in Asian Philosophy. The Asian tradition studied will vary each time the course is offered. Examples include: Indian, Chinese, Japanese, Buddhist and Jaina philosophies. The course may be repeated for credit under different topics.
- PI481/G** (3)  
**SELECTED TOPICS IN PHILOSOPHY** F/DE  
Each time this course is offered it covers one specific area of philosophy or one particular philosopher. Possible course topics include Existentialism, Epistemology, Metaphysics, Environmental Ethics, Medical Ethics, Legal Ethics, the Philosophy of Samkara, and the Philosophy of Lao Tzu. The course may be repeated for credit under different topics.

**PI486/G**

**TRAVEL STUDIES IN ASIA**

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.

**(3)**

**SU/Odd Years**

**POLITICAL SCIENCE (PS)**

**PS100**

**INTRODUCTION TO CITIZENSHIP**

This course provides a general introduction to citizenship. The concept of citizenship is examined within the context of classical antiquity, modern constitutional democracy, globalization and internationalization. Particular emphasis is placed upon civics, upon the rights and responsibilities of citizenship.

**(3)**

**F/SP**

**PS101**

**INTRODUCTION TO GOVERNMENT AND POLITICS**

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.

**(3)**

**F/SP/DE**

**PS202**

**GOVERNMENT IN THE UNITED STATES**

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.

**(3)**

**F/HYB**

**PS215**

**INTERNATIONAL RELATIONS**

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.

**(3)**

**SP**

**PS225**

**STATE AND TERRITORIAL GOVERNMENT**

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.

**(3)**

**F/SP/HYB**

**PS300**

**RESEARCH METHODOLOGY IN POLITICAL SCIENCE**

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.

**(3)**

**SP**

**PS302**

**COMPARATIVE POLITICS**

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, or consent of instructor.

**(3)**

**F/HYB**

**PS304**

**POLITICS OF ASIA**

This course provides an introduction the political institutions, processes and problems of counties in Asia. Prerequisites: PS101 or PS202 OR consent of instructor.

**(3)**

**F**

**PS306**

**POLITICS OF DEVELOPING NATIONS**

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.

**(3)**

**SP/Odd Years**

- PS307** (3)  
**COMPARATIVE POLITICS OF ECONOMIC DEVELOPMENT** **SP/Even Years/HYB**  
The course investigates the role of political decision in fostering or hindering economic development, with special emphasis on the experience of industrialization in Asia. Prerequisites: PS101 and BA110 or consent of instructor.
- PS310** (3)  
**REGIONAL AND INTERNATIONAL ORGANIZATIONS** **SP/Odd Years**  
This course discusses the origin, structure, and functions of regional and international organizations, focusing on the United Nations, the European Union, NATO, and the Association of South East Asian Nations. Prerequisite: PS215, or consent of instructor.
- PS326** (3)  
**POLITICAL PHILOSOPHY** **F/DE**  
This course examines and analyzes the thought of political philosophers from classical antiquity to the present. The intent of the course is to explain what political philosophy is and to explore the relationship between politics and philosophy. Prerequisite: PS101 or instructor's consent.
- PS398** (3)  
**INTERNSHIP** **F**  
This course provides an internship for student that will allow for the application of political science theory to practical work in the community. Placement in a government agency or non-government organization will be coordinated with the instructor. Prerequisites: PS101 and junior standing, or consent of instructor.
- PS402** (3)  
**AMERICAN CONSTITUTIONAL DEVELOPMENT/LAW** **SP**  
This course is the study of the origin and adaptation of the United States Constitution as a principal factor in the development of the political system of the United States. Major U.S. Supreme Court cases are analyzed in their governmental context, particularly with regard to federal-territorial relations as they have impacted on Guam and Micronesia. Prerequisite: PS101 or PS202, or consent of instructor.
- PS403** (3)  
**UNITED STATES FOREIGN POLICY** **F/Odd Years**  
This course analyzes the factors and processes, and the major events in U.S. Foreign Policy formulation and implementation with emphasis on the Asian and the Pacific region. Prerequisite: PS101, or PS215, or consent of instructor.
- PS/MSL404** (3)  
**ISSUES IN DEFENSE AND NATIONAL SECURITY** **SP/Odd Years**  
This course discusses the use of force in international relations and preservation of domestic security, including nuclear deterrence, terrorism, and overseas projection of military power, emphasizing the role of Micronesia in the global and regional security perspective. Prerequisite: PS215 or consent of instructor.
- PS412** (3)  
**POLITICS OF MICRONESIA** **SP**  
This course explores government and politics in Micronesia. This course focuses on such concepts and themes as U.S. territorial policy and relations, political status, political/economic development, environmental policy, self-determination, political culture, political socialization, federalism. Pre-requisites: PS101 or PS225 or consent of instructor.
- PS420** (3)  
**INTERNATIONAL LAW** **F/Even Years**  
This course examines the purposes, origins, adjudication, and enforcement of international law, in emphasizing the practical areas of transnational maritime, aviation, communications, and intellectual property law. Prerequisite: PS215, or consent of instructor.
- PS426** (3)  
**AMERICAN POLITICAL THOUGHT** **SP/Even Years/HYB**  
This course examines political thought among Americans since independence. Specific topics may include American variation on liberalism and conservatism. Prerequisite: PS101 or PS202 or PS326 or consent of instructor.

**PS440**

**INDIGENOUS POLITICS**

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.

(3)

**SP/Odd Years**

**PS482**

**SPECIAL TOPICS IN POLITICAL SCIENCE**

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.

(3)

**FA/SP/HYB**

**PS492**

**CAPSTONE IN POLITICAL SCIENCE**

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.

(1)

**F/SP**

## **PSYCHOLOGY (PY)**

**PY100**

**PERSONAL ADJUSTMENT**

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.

(3)

**F/SP**

**PY101**

**GENERAL PSYCHOLOGY**

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.

(3)

**F/SP**

**PY201**

**CHILD DEVELOPMENT**

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.

(3)

**F**

**PY202**

**ADOLESCENT PSYCHOLOGY**

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.

(3)

**SP/DE**

**PY210**

**INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY**

This is an introduction to experimental design, methods, and statistics used in psychological research. Prerequisite: PY101. Co requisite: PY210L.

(3)

**SP**

- PY210L** (1)  
**INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LAB** SP  
This is the laboratory component of PY210. They **MUST** be taken concurrently. The lab meets for three hours each week. Students learn APA writing style, conduct experiments, analyze data, write reports, and present results. Co requisite: PY210. Prerequisite: PY101.
- PY304** (3)  
**LEARNING AND MOTIVATION** F/Even Years  
The investigation of learning and motivation involves the experimental study of the effects of experience on behavior and the organization of action in animals and humans. The course examines actions ranging from basic biological motives (e.g., eating, drinking, and sex) to complex human social motives (e.g., attachment and achievement). Important issues and theories in the control of actions will be considered through an exploration of different kinds of learning and the role of cognition and emotion in motivated behavior. Prerequisites: PY101.
- PY304L** (1)  
**LEARNING AND MOTIVATION LABORATORY** F/Even Years  
This is the laboratory component of PY304 and **MUST BE** taken concurrently. Students conduct experiments with simulated and live animals to learn laboratory techniques and better understand seminal studies encountered in the didactic course. All students meet each week for one hour general instruction and then coordinate with the instructor and group mates to condition animals for two more hours. Co requisite: PY304. Prerequisite: PY101.
- PY305** (3)  
**SENSATION AND PERCEPTION** SP/Odd Years  
Mechanisms of visual, auditory, gustatory, olfactory, and tactile experience are examined. Topic coverage includes: information processing by the vertebrate nervous system, basic concepts of psychophysics, stimulus coding and feature extraction by the sensory systems. Laboratory demonstrations and experiments are conducted, with students performing an independent project. Prerequisites: PY101 and PY210.
- PY309** (3)  
**HISTORY AND SYSTEMS OF PSYCHOLOGY** F/Even Years  
This course is a study of the historical development of modern psychology, of its foundation in the other sciences and philosophy, and of the people, ideas and theoretical systems that have been most influential in shaping contemporary psychological thought. Prerequisite: PY101.
- PY342** (3)  
**THE PSYCHOLOGY OF CLOSE RELATIONSHIPS** SP/Even Years  
This course addresses how relationships form, change and end between friends, family members and romantic partners. Topics include interpersonal attraction; types of intimacy and love; sexuality in close relationships; parent-child and sibling relationships; friendship; fairness, selfishness and altruism; communication; social power; jealousy; conflict; ending relationships; loneliness; social networks; and therapy for relationships. This course emphasizes: 1) knowledge of theory and research findings in close relationships; and 2) developing one's own skills for creating and maintaining rewarding relationships. Prerequisite: PY101.
- PY370** (3)  
**INTRODUCTION TO CLINICAL PSYCHOLOGY** F  
This course offers an examination of the methods and profession of clinical psychology, including history, theories, types of psychological problems, methods of assessment, forms of intervention, current development. Prerequisite: PY101.
- PY404** (3)  
**COGNITIVE PSYCHOLOGY** SP/Even Years  
This course offers an examination of the major capacities and functions involved in human learning. Major topics discussed include historical background, verbal learning, language and thought, serial position learning, concept formation and forgetting. Prerequisite: PY101.
- PY405** (3)  
**ANIMAL BEHAVIOR** F/Odd Years  
The investigation of animal behavior involves the comparison of behavior across a wide range of animal species. Emphasis will be on principles and phenomena in animal development, control of behavior, communication, feeding, reproduction, habitat selection, and mating systems. Evolutionary theory, as a framework for the adaptive character of behavior in animals and humans, is emphasized. Some semesters may involve intensive investigation of the behavior of a single animal species in the Micronesian region. Prerequisite: PY101 or BI158. Co requisite: PY405L.

- PY405L** (1)  
**ANIMAL BEHAVIOR LABORATORY** F/Odd Years  
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. Co requisite: PY405.
- PY413/G** (3)  
**RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES** F/DE  
This course is an in-depth study of the scientific research process, and an application of its principles and techniques to proposing, designing, conducting and analyzing original research. Students demonstrate mastery of APA style and deliver research results orally and in written format. Prerequisite: PY101, PY210, and MA385.
- PY420/G** (3)  
**ABNORMAL PSYCHOLOGY** F/SP  
This course covers the study of historical changes in theories and methods of treatment; theory of personality development; dynamics of adjustment; the symptoms, dynamics, therapy, and prognosis of various abnormal reaction patterns, both functional and organic; and modern theories and methods of diagnosis, therapy, and prevention. Prerequisite: PY101.
- PY426/G** (3)  
**PERSONALITY THEORY** F/Odd Years  
This course provides an intensive and comparative overview of the theories of personality from Freudian, Neo-Freudian, Trait, Cognitive, Socio-behavioral, Existential and Humanistic perspectives. Major theorists' concepts and principles, assessment and techniques are examined within a cross cultural and ethnically diverse context. Prerequisite: PY101.
- PY440/G** (3)  
**SOCIAL PSYCHOLOGY** F  
This course applies the scientific method to analysis of the behavior of individual people in social situations. Topics include aggression, attitude formation and persuasion, conflict resolution, conformity, gender roles, group decision making, interpersonal attraction, positive social behaviors, prejudice, social factors in the self-concept, social information processing, and applications of social psychology to social problems. Prerequisite: PY101.
- PY442** (3)  
**CROSS-CULTURAL PSYCHOLOGY** SP/Odd Years  
Cross-cultural psychology seeks to identify behaviors common to all human beings and differences in behavior caused by differences in culture. This course covers cross-cultural commonalities and differences in development, thinking and problem solving, perception, motivation, values, relations between the sexes, aggression, and organizational behavior. The course also covers recommendations for contact between members of different cultures. Prerequisite: A minimum of 3 credits in psychology at the 300 or 400 level.
- PY/WG455/G** (3)  
**PSYCHOLOGY OF WOMEN** SP/DE  
This course offers a study of women through feminist scholarship and research. It is designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies, including Micronesia. Areas covered include feminist scholarship and research; gender socialization, women's biology and (mental) health; sexuality; victimization and abuse; work career, and power issues. Prerequisite: PY101.
- PY475** (3)  
**MICRONESIA AND MENTAL HEALTH** SP/Odd Years  
This course offers an examination of mental health services and problems in Micronesia. Geography, political systems, health problems, peoples and cultures provide the context for a detailed examination of mental health and social change concerns within our region. Prevalence of psychiatric disorders within Micronesia, applications of psychological interventions to regional concerns, and Micronesian perspectives toward psychology are the primary focus of the course. Prerequisite: PY101, PY370, PY420 or consent of instructor.
- PY491** (3)  
**PSYCHOLOGICAL RESEARCH SEMINAR** F/SP  
This course gives students experience in conducting psychological research as collaborators in faculty-supervised investigations. Students complete a list of project-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.

**PY492 a-b**

**PSYCHOLOGY PRACTICUM**

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.

**(3-3)**

**a-F,b-SP**

**SOCIOLOGY (SO)**

**SO101**

**INTRODUCTION TO SOCIOLOGY**

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.

**(3)**

**F/SP/DE**

**SO202**

**CONTEMPORARY SOCIAL PROBLEMS**

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.

**(3)**

**F/SP/DE**

**SO203**

**INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS**

This course give 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 rational 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 instructors consent.

**(3)**

**F**

**SO221**

**SOCIOLOGY OF HEALTH AND MEDICINE**

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.

**(3)**

**F**

**SO/WG230**

**MARRIAGE AND THE FAMILY**

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.

**(3)**

**F/SP**

**SO302**

**DEVIANCE AND SOCIAL CONTROL**

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.

**(3)**

**SP**

**SO332**

**GLOBALIZATION AND HUMAN DYNAMICS**

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.

**(3)**

**SP/Even Years**

- SO342** (3)  
**SOCIOLOGY OF SEX AND GENDER** F/Even Years  
This course examines traditional and contemporary views of gender roles and life chances for men and women in a social and cross-cultural context. It examines what relations exist between men and women and how women and men contribute to, negotiate with, and explore gender and traditional definitions of masculinity and femininity. Prerequisites: SO101 and SO230 or consent of instructor.
- SO/AN/NU/SW344** (3)  
**AGING: MYTH & REALITIES** F  
This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economic, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history is discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving. Prerequisite: SO101 or consent of instructor.
- SO350** (3)  
**DEVELOPMENT OF SOCIOLOGICAL THEORY – CLASSICAL** F  
Classical Sociological Theory examines the thought of sociologists from Auguste Comte, Karl Marx, Emil Durkheim and Max Weber through the writings of the Chicago School in the United States. These classical sociological writings are critically examined as to their present impact on theory today. Prerequisite: SO101 or consent of instructor.
- SO351** (3)  
**DEVELOPMENT OF SOCIOLOGICAL THEORY – CONTEMPORARY** SP  
This course introduces students to scholars who have had a significant influence on the practice of sociological research since the post-World War II era. We explore major genres of contemporary social theory including: structuralism, constructionism, post-structuralism, post-modernism, feminism, critical race theory, queer theory, performativity and other approaches deemed relevant by the instructor. Students learn to critically evaluate the strength and weaknesses of various theoretical approaches as they make connections between social theory and research practice in sociology. The final project requires students to describe the theoretical approach(es) they plan to use in their final research project for the sociology capstone course. Prerequisite: SO101.
- SO360** (3)  
**SOCIAL MOVEMENTS AND CHANGE** SP  
This course is the study of the nature and characteristics of society and the changes society is undergoing. Prerequisite: SO101 or consent of instructor.
- SO386** (3)  
**JUVENILE DELINQUENCY AND CRIMINOLOGY** SP  
This course presents a critical evaluation of current theories of delinquency causation, a study of the juvenile court system and laws relating to juvenile offenders, an examination of institutional and non-institutional treatment programs, and an analysis of delinquency control and prevention. Prerequisite: SO101 or consent of instructor.
- SO405/G** (3)  
**COMMUNITY DEVELOPMENT** SP/Odd Years/HYB  
This is a study of applied sociology and anthropology, emphasizing social process and programs of planned change on the community level in parts of the world currently undergoing technical development. Prerequisite: SO101/350 and MA385, or consent of instructor.
- SO411** (3)  
**SOCIAL ISSUES IN MICRONESIA AND GUAM** F  
This course provides the student with an in-depth sociological understanding of current issues and problems facing Micronesian society today, a part which is Guam. A critical examination of drug and alcohol abuse, family violence, crime, environmental issues, health disparities, political status, suicide economic disparity and development issues, and other relevant topics will be addressed. Prerequisites: SO101, SO202 or consent of instructor.
- SO414** (3)  
**RESEARCH METHODOLOGY IN SOCIOLOGY** SP  
This course covers the structuring of sociological inquiry, conceptualization, measurement and operationalization, and the use of bibliography, reference tools and research methods in Sociology. Presentation and cooperative evaluation of research materials, methods, and projects are required. Prerequisites: SO101, SO350 or by consent of instructor.



**SO418**

**SOCIAL STRATIFICATION**

(3)  
F

This is a review of theory and research bearing on the institutional arrangement, individuals, roles and groups in hierarchical relationships known as systems of social stratification, with particular reference to differences between stratification in industrial and less developed societies. Prerequisite: SO101 and MA385, or consent of instructor.

**SO445**

**INEQUALITY AND IDENTITY**

(3)  
F/Even Years

This course is designed to raise awareness of the dynamics of race/ethnicity, class, and gender in the shaping of society. The course explores the problems of conflict and accommodation between groups in multicultural societies. It analyzes variations in levels of harmony and conflict between such groups. Students are required to carry out a research project analyzing some aspect of gender, class, or ethnicity in Micronesia. Prerequisites: SO101, SO202 or consent of instructor.

**SO455**

**SOCIOLOGY OF WOMEN**

(3)  
F/Odd Years

This course examines the ways in which gender and social structure shape conditions for women. In anticipating social structures and organizations that might influence women's lives, the course considers several areas such as the socialization of women, images of women, women in media, women and work, women and households, women and crime, and women and migration. Prerequisite: SO101 and SO230 or consent of instructor.

**SO/GE475**

**HUMAN ECOLOGY: PROBLEMS AND SOLUTIONS**

(3)  
F/Odd Years

This course examines the relationship between human populations and their environments in the context of functional interdependence involving population, environment, organization and technology. Special attention is given to an examination of world population, geography, and an analysis of the causes, consequences and solutions to modern day social and environmental problems. Prerequisite: SO101, SO202 and MA385 or consent of instructor.

**SO480**

**SPECIAL TOPICS**

(3)  
F/SP/SU

Special Topics Courses, such as the Sociology of Education, Sociology of Religion, Medical Sociology, Sociology of Government and Politics, etc. are offered intermittently as faculty resources permit. Students should keep aware of the current offerings in a given semester and plan their course selection accordingly. Prerequisites: SO101, SO350 and MA385, or consent of instructor. This course may be repeated for credit as the topic changes.

**SO491**

**SOCIOLOGICAL RESEARCH SEMINAR**

(3)  
SP

This course gives students experience in conducting sociological research as collaborators in faculty-supervised research projects. Students will complete a list of readings that are specific to the research project, assist in project planning, research design, data collection, and data analyses. Students will also collaborate (where appropriate) in the preparation and presentation of research findings. Prerequisite: SO101, SO414, MA385 or consent of instructor. May be repeated up to six credit hours.

**SO49**

**INTERNSHIP**

(1-6)  
F/SP/SU

The internship program permits the student to utilize her/his academic experience in both the academic and non-academic realm through teaching assistantships, placement in financial, social service, health-related or other organizations in the community. Prerequisites: SO101, SO202, SO350, or consent of instructor. May be repeated up to six credit hours.

**SOCIAL WORK (SW)**

**SW110**

**INTRODUCTION TO COMMUNITY SERVICES ON GUAM**

(3)  
F/SP

This is a course designed to familiarize the student with services available in the local community to meet human needs and to help with social problems. Emphasis is on the development of knowledge from the perspective of a consumer and of skills necessary to locate, gain access to and effectively utilize such services. Open to all students, including those on restricted status.

**SW201 (3)**  
**SOCIAL WELFARE AND DEVELOPMENT: GLOBAL CHALLENGES F/SP**

This introductory course critically examines social welfare and social work from an international and comparative perspective with a focus on the importance of cultural and value systems on a society's allocation of resources, on the development of informal and formal systems of care, and on the evolving mission, roles and functions of social work.

**SW313 (3)**  
**RESEARCH METHODS FOR HEALTH AND SOCIAL SERVICES SP**

This course offers an overview of research methods and their application in health and social service systems. Prerequisite: MA151.

**SW330 (3)**  
**GENERALIST SOCIAL WORK PRACTICE METHODS I F**

This is first in a series of four social work practice methods courses. Initially, the course offers a brief overview of theories underlying generalist social work with individuals, couples, families, groups, organizations, and communities. Subsequently the course emphasizes basic concepts, principles, and assumptions in working with individuals. These theoretical concepts are then applied to individual case studies, and students learn generalist social work skills through dynamic role-plays. Prerequisites: SW201 or permission of instructor.

**SW331 (3)**  
**GENERALIST SOCIAL WORK PRACTICE METHODS II F**

This is the second in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and has a strong focus on skills development for working with a variety of groups in diverse settings. These generalist social work skills pertain in particular to group formation, group participation, group leadership, and group termination. Prerequisite: SW201 or permission of instructor.

**SW332 (3)**  
**GENERALIST SOCIAL WORK PRACTICE METHODS III SP**

This is the third in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and emphasizes skills development for working with organization and communities. These generalist social work skills pertain to the analysis of organizing with multiple change agents towards positive social development. Prerequisites: SW201 or permission of instructor.

**SW333 (3)**  
**GENERALIST SOCIAL WORK PRACTICE METHODS IV SP**

This is the fourth in a series of four social work practice methods courses. It offers theories underlying generalist social work practice and emphasizes skills development for working with families, couples and individuals. A broad range of assumptions, concepts, and principles are examined and applied in the development of generalist social work skills which are required to work effectively with families, couples, and individuals of diverse ethnic and cultural backgrounds. Prerequisites: SW201 or permission of instructor.

**SW344/AN/NU/SO (3)**  
**AGING: MYTH & REALITIES F**

This course explores the major issues and concepts pertinent to gerontology, the study of the aging process. The prevailing theories of the social/biological aging process, and the economics, physical and psychological problems that might arise in late life are presented, and students learn how these factors impinge on the well-being of the older person and the social structure of a community. Aging as it occurs in different societies and throughout history are discussed. Social myths and stereotypes are explored. An overview of existing aging policies and special programs for the older population is included, as is a section on dying, death and grieving.

**SW345 (3)**  
**SOCIAL JUSTICE F**

This course examines the dynamics and consequences of social and economic injustice, including various forms of human oppression and discrimination. Students gain skills to promote social change and to implement interventions that advance individual and collective social and economic justice and combat the causes and effects of institutionalized form of oppression.

- SW350** (3)  
**HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I** F  
This course explores the reciprocal relationship between human behavior and social environments. Students will learn to deal with the impact of the social environment on the development of the individual throughout the entire life course, from birth to death, including physical, emotional and intellectual changes, with an emphasis on Micronesian cultural influences and values. The particular emphasis of this course is from conception to young adulthood.
- SW 351** (3)  
**HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II** SP  
This course explores the reciprocal relationship between human behavior and social environments. Students will learn to deal with the impact of the social environment on the development of the individual throughout the entire life course, from birth to death, including physical, emotional and intellectual changes, with an emphasis on Micronesian cultural influences and values. The particular emphasis of this course is on adulthood and old age. Prerequisite: SW350
- SW/HP355** (3)  
**HUMAN SEXUALITY** SP  
This course offers a broad overview of human sexuality from a multidisciplinary perspective: the biological, psychological, sociological, and cross-cultural. It provides some of the most current information in the field today and the opportunity for students to reflect on their personal values, attitudes, beliefs, and behaviors regarding sexuality and to consider critical practice issues in his/her field.
- SW400** (3)  
**FIELDS OF SOCIAL WORK PRACTICE** F/SP  
Social workers are engaged in professional practice in diverse settings and work with different client systems. Each semester, this course examines the history, current policy issues and practice trends in a different field of social work practice. These fields of practice include: family and children's services, youth services, older adults, mental health, substance abuse, health care, disabilities, school social work, social work in the workplace (military social services, employee assistance), disaster relief, public welfare, criminal justice settings, and international social work. With different subject matter, SW400 may be taken more than once for credit. An annual schedule is developed based on an assessment of student interests, community need, and availability of faculty with expertise in the practice field. Please confer with a social work advisor regarding the annual schedule of SW400 course offerings.
- SW401** (3)  
**COMMUNITY SERVICE LEARNING** SP  
This course is designed to assist students develop an awareness of the importance of service as a civic responsibility. The course provides upper division students the opportunity to link study in his/her major and community service so that the service makes the study immediate and relevant, and the study relates to and supports the service to the community. Students are placed in an approved non-profit civic organization after a determination is made of the student's areas of expertise and specific needs of the organization. Students contribute a minimum of 50 hours of volunteer work to complete an agreed upon project. This service component is complemented by 16 seminar hours where students meet with the instructor to discuss the readings in relation to their service learning. The course culminates with a Community Service Learning Symposium where the service contributions of students are showcased and future service learning opportunities are identified.
- SW406** (3)  
**SOCIAL POLICY** FA  
This course focuses on the analysis of current social policy within the context of historical and contemporary factors that shape policy in U.S. territories. Attention is given to the political and organizational processes used to influence policy, the process of policy formulation, frameworks for analysis, and skills needed for policy practice.
- SW408** (3)  
**ADVOCACY FOR SOCIAL JUSTICE** SP  
This course prepares students to actualize policy and advocacy in different contexts in order to improve social conditions and promote social justice and human rights.
- SW410** (3)  
**SOCIAL WELFARE AND SOCIAL DEVELOPMENT IN MICRONESIA** F  
This course considers the history of traditional and contemporary approaches to social welfare and social development in Guam and the region.

**SW480**

**FAMILY VIOLENCE**

This course examines family violence and family resilience in Guam and the region from a cross-cultural, gender, and interdisciplinary practice perspective. Students learn about issues of family violence from the viewpoints of victims, member of their extended family, perpetrators, and those who intervene drawing from actual cases, practice experiences, and current data, information and research.

**(3)**

**SP/Odd Years**

**SW485a**

**FIELD INSTRUCTION**

Each student collaborates with his/her assigned field instructor to develop and carry out an individual learning contract for beginning generalist social work practice, through 210 field contact hours and 45 in-class seminar hours. It is restricted to BSW students.

**(4)**

**F**

**SW485b**

**FIELD INSTRUCTION**

Each student collaborates with his/her assigned field instructor to develop and carry out an individual learning contract for beginning generalist social work practice through 210 field contact hours and 45 in-class group supervision and seminar hours. It is restricted to BSW students. Prerequisite: SW485a

**(4)**

**SP**

**THEATER (TH)**

**TH101**

**INTRODUCTION TO THE THEATER**

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).

**(3)**

**F/SP**

**TH102**

**ACTING I**

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.

**(3)**

**F/SP**

**TH105**

**STAGECRAFT**

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.

**(3)**

**F/Even Years**

**TH202**

**ACTING II**

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.

**(3)**

**SP/Even Years**

**TH205**

**STAGE MANAGEMENT**

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.

**(3)**

**F/Odd Years**

**TH292**

**THEATER PRACTICUM**

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.

**(1)**

**F/SP**

**TH308**

**DIRECTING**

This course includes selecting, analyzing, casting and rehearsing a one-act play performed for a selected audience. Prerequisite: TH202 or consent of instructor.

**(3)**

**F/Odd Years**

- TH315** (3)  
**SCENIC DESIGN** **SP/Even Years**  
This is an exploration of the principles and elements of theatrical design with an emphasis on scenery design and painting. Students will complete design projects, build models and work with paint elevation.
- TH316** (3)  
**LIGHTING DESIGN** **SP/Odd Years**  
This is an exploration of the principles and elements of theatrical design with an emphasis on lighting design and sound technology. Students learn the technology involved in live lighting and sound production and generate design projects.
- TH425** (3)  
**THEATER HISTORY I** **F/Even Years**  
This is a comprehensive survey of Western and Oriental Theater from earliest times to 1700.
- TH426** (3)  
**THEATER HISTORY II** **SP/Odd Years**  
This is a comprehensive survey of Western and Oriental Theater from 1700 to the present.
- WOMEN AND GENDER STUDIES (WG)**
- WG101** (3)  
**INTRODUCTION TO WOMEN AND GENDER STUDIES** **F/SP/DE/HYB**  
This course provides an introduction to basic concepts and key issues in women and gender studies, utilizing a life-span approach. Topics include gender socialization and identity formation, sexuality, cultural representations, gender relations, family, work, class stratification, violence, constructions of masculinity, and oppression, as well as racial and cultural diversity.
- WG201** (3)  
**GENDER AND SOCIETY** **F/DE**  
Using the slogan, ‘the personal is political’ as a guiding principle, this course investigates some of the predominant trends in feminist research, thought and activism historically as well as in contemporary society focusing specifically on the dynamics of individual experience and collective activities.
- WG380** (3)  
**WOMEN, POLITICS AND POLICY** **F/Even Years**  
This course examines the ways in which gender structures the arena of politics and shapes our understanding of it. Students learn how the meaning of “politics” is articulated and transformed by women in different settings at the local, national, regional and international levels. Prerequisite: PS101 or WG101.
- WG391** (3)  
**SELECTED STUDIES IN WOMEN AND GENDER STUDIES** **F**  
This course is dedicated to a specific in-depth investigation of an area of women and gender studies. The course content will vary each time the course is offered and can be taken more than one for credit. Examples include: masculinity, women and art, gay/lesbian/transgender cultures, women’s memoir and life-writing, gender and popular culture, gender and international development, and women, labor and the economy. Prerequisite: WG101.
- WG/PY455** (3)  
**PSYCHOLOGY OF WOMEN** **SP/DE**  
This course offers a study of women through feminist scholarship and research. It is designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies, including Micronesia. Areas covered include feminist scholarship and research; gender socialization, women’s biology and (mental) health; sexuality; victimization and abuse; work career, and power issues. Prerequisite: PY101.
- WG/EN/MI461/G** (3)  
**PACIFIC WOMEN WRITERS** **SP/Odd Years**  
This course entails an intensive study of representative works of Pacific Women Writers to acquaint students with the contours of this emerging literature in terms of styles, themes, symbols, images, language, politics, and subject. Students will gain an understanding of the place of this literature in the larger context of Pacific Literature, Women’s Literature, Minority Literature and Contemporary Literature in English. Prerequisite: EN111; Any 200-level literature course or consent of instructor.

**WG/SO230**

**MARRIAGE AND THE FAMILY**

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.

**(3)**

**F/SP**

**WG/EN323**

**LITERATURE BY WOMEN**

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.

**(3)**

**F/DE**



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M.A., University of Guam  
M.L.S., University of North Texas

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RANDALL L. WORKMAN, Ph.D.  
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LORRAINE C. YAMASHITA, Ed.D.  
Professor Emerita of Education

†(Deceased)

UOG General Education (GenEd) Course Articulation Matrix (2017)																	
University of Guam (UOG)			Guam Community College (GCC)			College of the Marshall Islands (CMI)			College of Micronesia - Federated State of Micronesia (COM-FSM)			Northern Marianas College (NMC)			Palau Community College (PCC)		
Competency / Breadth of Knowledge	UOG Course	UOG Course Title	GCC Course	GCC Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	CMI Course	CMI Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	COM-FSM Course	COM-FSM Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	NMC Course	NMC Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	PCC Course	PCC Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents
<b>Tier I: Core Foundation (15 credits)</b>																	
Written Communication	EN110	Freshman Composition (3cr)	EN110	Freshman Composition (3cr)		ENG112 (formerly EN102)	English Composition II (3cr)		EN120a	Expository Writing I (3cr)		EN101	English Composition I (3cr)		EN112	Freshman Composition (3cr)	
Oral Communication	CO210	Fundamentals of Communication (3cr)	EN125	Introduction to Human Communication and Speech (3cr)					EN/CO205	Speech Communication (3cr)		CO210	Fundamentals of Communication (3cr)				CO110 Introduction to Communication
Quantitative Reasoning	MA110	Finite Mathematics (or higher MA*) (3cr)	MA110A	Finite Mathematics (3cr)	MA161A College Algebra & Trigonometry I (4 credits); MA161B College Algebra & Trigonometry II (4 credits)				MS101	College Algebra and Trigonometry (3cr)			MA161 College Algebra; MA162 College Trigonometry	MA111	College Algebra (3cr)		
Information Literacy	EN111	Writing for Research (3cr)	EN111	Writing for Research (3cr)		ENG220 (formerly ENG121)	Writing Research Papers (3cr)		EN120b	Expository Writing II (3cr)		EN202	English Composition II (3cr)				
Critical Thinking	CT101	Critical Thinking (new course starting Fall 2017) (3cr)															



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<b>Tier II: Breadth through Diversity &amp; Direction (16 credits)</b>																		
DIVERSITY FOUNDATION: SCIENCE TECHNOLOGY ENGINEERING & MATH (STEM) 1 Theme 1: Science & Math (take 3 to 4 credits)	AL101/L <i>(formerly AG101/L)</i>	Introduction to Agriculture and Lab (4cr)						SC101 Introduction to Agriculture										
	AL102/L <i>(formerly AG102/L)</i>	Introduction to Plant Science and Lab (4cr)																
	AL109/L <i>(formerly AG109/L)</i>	Insect World (4cr)																
	AL136/L <i>(formerly AG136/L)</i>	Science of Aquaculture (4cr)						SC1225 Principles of Aquaculture	MR120	Marine Biology w/ lab (4cr)							SC109 Principles of Biology I; SC110 Principles of Biology II; SC119 Introduction to Physical Science; SC239	
	BI100/L	Environmental Biology (4cr)	SI110 & SI110L	Environmental Biology & Lab (3+1cr)				SC120 Introduction to Biology										Natural History of Palau; AG111 Introduction to Tropical Agriculture; AG219 Crop Protection
	BI103/L	Marine Biology (4cr)	SI103 & SI103L	Introduction to Marine Biology & Lab (3+1cr)				SC1135 Introduction to Marine Biology	MR120	MR120 Marine Biology w/ lab (4cr)								
	BI201	Natural History of Guam (3cr)							SC/SS115	Ethnobotany								
	CH100/L	Introduction to Inorganic Chemistry (4cr)											CH124	General Chemistry (4cr)				
	CH101/L	Introduction to Organic Chemistry (4cr)																
	CH102/L	General Chemistry (4cr)			SI102 General Chemistry with Lab			SC1230 Introduction to Chemistry										
	CH103/L	General Chemistry (4cr)																
	CS200	Computer Applications and Lab (3cr)			CS151 Windows Applications; CS104 Visual Basic Programming					IS201	Computer Information Systems (3cr)			CS103	Introduction to Computers (3cr)			CS100 Computer Literacy; CS212 Microcomputer Application
	GE203/L	Principles of Physical Geography (4cr)			SI105 + SI105L Introduction to Physical Geology and Lab													
	MA115	Introduction to College Algebra (3cr)			MA161A College Algebra & Trigonometry I; MA161B College Algebra & Trigonometry II													
MA151	Introductory Statistics (3cr)								MS150	Introduction to Statistics (3cr)							MA121 Elementary Statistics	

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DIVERSITY FOUNDATION: SCIENCE TECHNOLOGY ENGINEERING & MATH (STEM) 2 Theme 2: Human Science (take 3 to 4 credits)	AL101/L <i>(formerly AG101/L)</i>	Introduction to Agriculture and Lab (4cr)						SC101 Introduction to Agriculture						BI101 Principles of Biology; BI103 Marine Biology; BI106 Agriculture Science; BI141 Plant Science; BI201 Natural History of the Mariana Islands; BI251 Human Anatomy and Physiology I; BI252 Human Anatomy and Physiology II; CH124 General Chemistry; CH141 Survey of Organic and Biochemistry; NS101 Introduction to Physical Science			SC109 Principles of Biology I; SC110 Principles of Biology II; SC119 Introduction to Physical Science; SC239 Natural History of Palau; AG111 Introduction to Tropical Agriculture; AG219 Crop Protection	
	AL102/L <i>(formerly AG102/L)</i>	Introduction to Plant Science and Lab (4cr)																
	AL109/L <i>(formerly AG109/L)</i>	Insect World (4cr)																
	AL136/L <i>(formerly AG136/L)</i>	Science of Aquaculture (4cr)						SCI225 Principles of Aquaculture	MR120	Marine Biology w/ lab (4cr)								
	BI110/L	Human Biology (4cr)						SCI110 Anatomy and Physiology I; SCI210 Anatomy and Physiology II										
	AL185 <i>(formerly CF230 Nutrition and Health)</i>	Human Nutrition (3cr)	HL202	Nutrition (3cr)					SC112	Intro to Human Nutrition (3cr)								
	GE101	Introduction to Geography (3cr)							SS120	Intro to Geography (3cr)								
	HS200	Health & Wellness (3cr)										HE200	Health and Wellness (3cr)					HP180 Personal & Social Health; HP181 First Aid/CPR
	PI210	Introduction to Logic (3cr)																
	PS215	International Relations (3cr)																
	PY101	General Psychology (3cr)	PY120	General Psychology (3cr)					SS/PY101	General Psychology (3cr)			PY101	General Psychology (3cr)	SS119	Introduction to Psychology (3cr)		
	SO101	Introduction to Sociology (3cr)	SO130	Introduction to Sociology (3cr)					SS130	Intro to Sociology (3cr)			SO101	Introduction to Sociology (3cr)				SS129 Introduction to Sociology
S0221	Sociology of Health & Medicine (3cr)																	

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DIVERSITY FOUNDATION: HUMANITIES 1 Theme 3: Creative and Expressive Arts (take 3 credits)	AR101	Introduction to Art (3cr)										AR101	Introduction to Art (3cr)				VA109 Intro to Visual Arts	
	AR102	Studio for Non-Majors (3cr)							AR101	Introduction to Art (3cr)	EN205 Literature of the Sea or EN204 Poetry	AR135	Studio for Non-Majors (3cr)					
	EN210	Introduction to Literature (3cr)	EN210	Introduction to Literature (3cr)				EN201	Intro to Literature (3cr)					LI150	Introduction to Literature	EN189	Elements of Literature (3cr)	
	EN213	Literature, Myth, and Culture (3cr)																
	MU101	Music Fundamentals (3cr)														MU102	Music Fundamentals (3cr)	
	MU102	World Music (3cr)																
	MU106	Introduction to Music (3cr)							MU101	Introduction to Music (3cr)				MU106	Introduction to Music (3cr)			
	MU110	Class Voice (1cr)																
	MU121	Beginning Class Piano (2cr)																
	TH101	Introduction to Theater (3cr)	TH101	Introduction to Theater (3cr)					EN203	Drama (3cr)				DR101	Introduction to Drama and Theater (3cr)			
TH102	Acting I (3cr)																	
DIVERSITY FOUNDATION: HUMANITIES 2 Theme 4: Human Systems and Organizations (take 3 credits)	CO106	Introduction to Mass Communication (3cr)															CO201 Mass Media and Society	
	GE201	World Regional Geography (3cr)										GE201	World Regional Geography (3cr)					
	HI121	World History I (3cr)	HI121	History of World Civilization I (3cr)					SS170	World History I (3cr)		HI121	History of World Civilizations I (3cr)				HI159 World Civilization I	
	HI122	World History II (3cr)	HI122	History of World Civilization II (3cr)					SS171	World History II (3cr)		HI122	History of World Civilizations II (3cr)				HI169 World Civilization II	
	LN101	Introduction to Language (3cr)																
	PI101	Introduction to Philosophy (3cr)	PI101	Introduction to Philosophy (3cr)					EN208	Intro to Philosophy (3cr)		PI201	Introduction to Philosophy (3cr)		PH169	Introduction to Philosophy (3cr)	PH249 General Logic	
	PI102	Contemporary Ethical Problems (3cr)																
	PS101	Introduction to Government & Politics (3cr)					POL101	Introduction to Political Science (3cr)		SS101	Intro to Political Science (3cr)				SS149	Introduction to Political Science (3cr)		
	SO202	Contemporary Social Problems (3cr)																
	SW110	Introduction to Community Services on Guam (3cr)	HM110 (formerly FA110)	Introduction to Community Services (3cr)														
WG101	Introduction to Women & Gender Studies (3cr)																	

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DIVERSITY FOUNDATION: HUMANITIES 3 Theme 5: Cultural Perspective (take 3 credits)	AN101	Introduction to Anthropology (3cr)									SS220 Contemporary Issues in Micronesia			AN105 Cultural Anthropology	SS189	Introduction to Cultural Anthropology (3cr)																
	ED265	Culture & Education on Guam (3cr)																														
	HI211	History of Guam (3cr)			HU120 Pacific Cultures; HI176 Guam History										HI 255 History of the Northern Marianas Islands																	
	HI243	History of Micronesia (3cr)							SS150	History of Micronesia (3cr)								SS209 Changes in Micronesia; SS179 Introduction to Social Anthropology														
	PI103	Introduction to Asian Philosophy (3cr)																														
	PS202	Government in the United States (3cr)												PS110	Principles of Democratic Institutions (3cr)																	
	SW201	Social Welfare & Development: Global Challenges (3cr)	HM201 (formerly EA201)	Social Welfare and Development (3cr)																												
UNIQUELY UOG COMPONENT : Language (take 4 credits)	CM101	Elementary Chamorro (4cr)	CH110	Chamorro I (4cr)	HU120 Pacific Cultures (3 credits) JA110 Begin. Japanese I (4 credits) JA111 Begin. Japanese II (4 credits) ASL100 - ASL 130 American Sign Language I - IV (4 credits) CH111 Chamorro II (4 credits)						often fulfilled by demonstration of proficiency			often fulfilled by demonstration of proficiency			often fulfilled by demonstration of proficiency	often fulfilled by demonstration of proficiency														
	CI101	Elementary Chinese (Mandarin I) (4cr)																														
	FR101	Elementary French I (4cr)																														
	GN101	Elementary German I (4cr)																														
	JA101	Elementary Japanese I (4cr)																														
	PN101	Conversational Pohnpeian (4cr)																														
	SN101	Elementary Spanish I (4cr)																														
	TA101	Conversational Tagalog (4cr)																														

UOG General Education (GenEd) Course Articulation Matrix (2017)

University of Guam (UOG)		Guam Community College (GCC)			College of the Marshall Islands (CMI)			College of Micronesia - Federated State of Micronesia (COM-FSM)			Northern Marianas College (NMC)			Palau Community College (PCC)				
Competency / Breadth of Knowledge	UOG Course	UOG Course Title	GCC Course	GCC Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	CMI Course	CMI Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	COM-FSM Course	COM-FSM Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	NMC Course	NMC Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	PCC Course	PCC Course Title	Courses listed here may fulfill area requirement, but are not direct course equivalents	
UNIQUELY UOG COMPONENT: Regional (take 3 credits)	BI100/L	Environmental Biology (4cr)	SI110 & SI110L	Environmental Biology & Lab (3+1cr)													AG111 Introduction to Tropical Agriculture; AG219 Crop Protection SC239 Natural History of Palau; SC249 Environmental Concepts and Issues	
	BI103/L	Marine Biology (4cr)	SI103 & SI103L	Introduction to Marine Biology & Lab (3+1cr)			SCI135 Introduction to Marine Biology	MR120	Marine Biology w/ lab (4cr)				BI103 Marine Biology					
	BI201	Natural History of Guam (3cr)							SC/SS115	Ethnobotany								
	ED265	Culture & Education on Guam (3cr)																
	EN213	Literature, Myth, & Culture (3cr)												LI150 Introduction to Literature				
	EN333	Literature of Guam, Micronesia, & the Pacific (3cr)																
	HI211	History of Guam (3cr)						HU120 Pacific Cultures; HI176 Guam History										
	HI243	History of Micronesia (3cr)							SS150	History of Micronesia (3cr)					HI 255 History of the Northern Marianas Islands			SS209 Changes in Micronesia; SS179 Introduction to Social Anthropology
	JA215	Japanese for Toursim (4cr)																
	PS225	State & Territorial Government (3cr)																
PY100	Personal Adjustment (3cr)	PY100	Personal Adjustment (3cr)											HE200 Health and Wellness			HP180 Personal & Social Health; HP181 First Aid/CPR	
DIRECTION BUILDING COMPONENT (take 9 to 11 credits)	Take three (3) courses, each from a different Diversity Foundation theme. One of the three courses must have a Core Foundation, Diversity Foundation, or Uniquely UOG course as a prerequisite. However, students who have declared their major prior to completing this component may take two of the three courses within their major program.																	
<b>Tier III: Capstone Experience (0 credits)</b>																		
Program Major Capstone Course (zero GenEd credits)	Tier III of the General Education framework is embedded wholly within UOG major program requirements.																	

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