

DEGREE PROGRAMS

UNDERGRADUATE

BACHELOR OF ARTS

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

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

BACHELOR OF BUSINESS ADMINISTRATION

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

BACHELOR OF SCIENCE

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

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

PRE-PROFESSIONAL PROGRAMS

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

GRADUATE

MASTER OF ACCOUNTANCY

- Master of Accountancy

MASTER OF ARTS

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

MASTER OF EDUCATION

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

MASTER OF PUBLIC ADMINISTRATION

- Master of Public Administration

MASTER OF SCIENCE

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

PROFESSIONAL MASTER OF BUSINESS ADMINISTRATION

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

MINORS

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

CERTIFICATES

UNDERGRADUATE

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

GRADUATE

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

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

ANTHROPOLOGY PROGRAM

PROSPECTUS

Anthropology is the holistic study of humankind. The discipline is distinctive among the human sciences and humanities in that cross-cultural (comparative inter-regional or global), ecological, and evolutionary perspectives are commonly employed.

The four major divisions of anthropology are:

- archaeology
- cultural anthropology
- anthropological linguistics
- biological (or physical) anthropology.

A popular misconception of anthropology is that it is the study of ancient remote or exotic living people, but anthropology, in fact, is concerned with studying the cultural, social, and biological configurations of all human societies, past and present.

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

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

Faculty members are doing research in maritime archaeology, linguistic anthropology, cultural anthropology, power, ethnohistory, and visual anthropology.

LEARNING OUTCOMES

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

Graduating anthropology students should successfully demonstrate the ability to:

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

Student Advisement

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS (39 CREDIT HOURS)

Required Courses (21 credit hours)

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

Elective Courses (18 credit hours)

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

MINOR REQUIREMENTS (21 CREDIT HOURS)

Required Courses (15 credit hours)

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

Elective Courses (6 credit hours)

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

GENERAL EDUCATION REQUIREMENTS

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

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

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

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

2) DF or major exploration

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

Tier III: Capstone Experience

1) Major Capstone Experience

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

FACULTY

Program Chair

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Additional Program Faculty

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Associate Professor of Archaeology and Micronesian Studies

CHAMORU STUDIES PROGRAM

PROSPECTUS

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

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

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

The CHamoru Studies Program develops students' critical thinking and appreciation of cultural diversity, human and indigenous rights, and social and communal responsibility. Creative capabilities in the areas of oral and written literary expression are developed. CHamoru Studies is an interdisciplinary program that covers a range of subjects,

Affiliated Faculty

Michael T. Carson

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examining knowledge pertaining to CHamoru identity and culture that draws on courses such as CHamoru Language, Anthropology, Biology, Literature, Geography, History, Political Science, Social Work, and Psychology.

LEARNING OUTCOMES

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

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

TRACKS, MINORS & CERTIFICATES

TRACKS

Note: Refer to the Degree Requirements tab to see the courses required under each track, minor, or certificate.

CHamoru Studies

This track develops students' critical thinking and appreciation of cultural diversity, human and indigenous

rights, and social and communal responsibility. Creative capabilities in the areas of oral and written literary expression are developed. This track covers a range of subjects, examining knowledge pertaining to CHamoru identity and culture that draws on courses such as CHamoru Language, Anthropology, Biology, Literature, Geography, History, Political Science, Social Work, and Psychology.

CHamoru Studies for Education

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

MINOR

CHamoru Studies

Refer to the Degree Requirements tab for courses.

CERTIFICATES

CHamoru Studies

Refer to the Degree Requirements tab for courses.

Island Wisdom: Foundation in Micronesian Seafaring

This certificate balances Western-based curriculum with an Indigenous learning environment, encouraging the perpetuation of traditional skills and inspiring scholarship related to technologies, and innovations, aligning with UOG's initiative to be recognized as a research institution centered in Island Wisdom. Students will learn Micronesian canoe building and traditional navigation from a *Pwo Palu* (Master Navigator).

A native Micronesian perspective is emphasized in this certificate program so that student are prepared to practice and provide voice to the Indigenous Micronesian experience, ways of knowing, and ways of life. Students

will develop Indigenous knowledge and technical skills related to the building of canoe structures, discuss roles and responsibilities current embers of a Micronesian community have in sustaining traditional ways of life, and examine Micronesian seafaring and navigation as a sustained ecosystem in which people, natural resources, and traditional/sacred knowledge are interconnected and interdependent.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

CHAMORU STUDIES TRACK REQUIREMENTS (46 CREDIT HOURS)

General Education Requirements

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

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

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

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

2) DF or major exploration

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

Tier III: Capstone Experience

1) Major Capstone Experience

Course	Course Title	Credits	Term Offered
CM491	CHAMORU STUDIES SENIOR CAPSTONE	3	SPRING ONLY/ ODD YEARS

Required Courses (34 credit hours)

Course	Course Title	Credits	Term Offered
CM110	INTRO TO CHAMORU STUDIES	3	FALL ONLY/ ALL YEARS
CM210	CHAMORU STUDIES AND PRACTICE	3	FALL/SPRING/ ALL YEARS
CM201	INTERMEDIATE CHAMORU I	4	FALL ONLY/ ALL YEARS
CM202	INTERMEDIATE CHAMORU II	4	SPRING ONLY/ ALL YEARS
CM301	ADVANCED CHAMORU I - READING	4	FALL ONLY/ EVEN YEARS
CM302	ADVANCED CHAMORU II- WRITING	4	SPRING ONLY/ ODD YEARS
CM340	CHAMORU CULTURE	3	FALL ONLY/ ALL YEARS
CM412	TOPICS IN CHAMORU STUDIES	3	SPRING ONLY/ ODD YEARS
CM491	CHAMORU STUDIES SENIOR CAPSTONE	3	SPRING ONLY/ ODD YEARS
HI211	HISTORY OF GUAM	3	FALL/SPRING/ ALL YEARS

Elective Courses (12 credit hours)

Minimum 9 credit hours of upper division courses

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

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

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

CHAMORU STUDIES FOR EDUCATION TRACK

REQUIREMENTS (73 CREDIT HOURS)

Required Courses (31 credit hours)

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

Professional Education Courses (30 credit hours)

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

Capstone Course

Choose one of the following:

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

MINOR REQUIREMENTS

CHAMORU STUDIES MINOR REQUIREMENTS (23 CREDIT HOURS)

General Education Requirements

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

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

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

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

2) DF or major exploration

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

Tier III: Capstone Experience

1) Major Capstone Experience

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

Required Courses (17 credit hours)

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

Elective Courses (6 credit hours)

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

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

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

CERTIFICATE REQUIREMENTS

CHAMORU STUDIES CERTIFICATE REQUIREMENTS (17 CREDIT HOURS)

Required Courses (11 credit hours)

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

Choose one group:

GROUP 1

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

GROUP 2

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

GROUP 3

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

Elective Courses (6 credit hours)

Choose one course from each group:

GROUP 1

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

GROUP 2

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

CERTIFICATE IN ISLAND WISDOM:
FOUNDATIONS IN MICRONESIAN

SEAFARING REQUIREMENTS (12 CREDIT HOURS)

Required Courses (9 credit hours)

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

Elective Courses (3 credit hours)

Choose one:

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

FACULTY

Program Coordinator

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Additional Program Faculty

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Mary Therese F. Cruz

Interim Associate Dean, CLASS / Associate Professor of Political Science, Micronesian Studies, and CHamoru Studies / I Meyeng UOG-Certified Online Teacher
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COMMUNICATION & MEDIA PROGRAM

PROSPECTUS

The Field

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

Relevance and Demand

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

Why UOG?

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

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

The program offers several opportunities for students to develop their skills. Students can produce news for [Triton's Call](#), a print and online newspaper; Triton TV News, an online TV news platform; and The Tide, a TV news magazine. Students also help organize public forums and the annual University of Guam Film Festival, which help to engage the community.

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

Career Possibilities

Our graduates have gone on to pursue graduate degrees in fields such as communication, business, public administration, cinema, education, and law, among others, and have experienced successful careers and leadership positions in news, entertainment media, public

relations, advertising, marketing, government, nonprofit management, higher education, and other fields.

LEARNING OUTCOMES

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

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

TRACKS

COMMUNICATION & MEDIA TRACKS

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

Communication Studies

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

Public Relations

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

Digital Cinema, Media, & Journalism

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

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

COMMUNICATION & MEDIA MINOR

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

Refer to the Degree Requirements tab to see the courses required for the minor.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS (51 CREDIT HOURS)

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

Required Core Courses (24 credit hours)

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

Choose 1 of the following:

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

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

Note:

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

Communication Studies Track and Elective Requirements (27 credit hours)

Track-Specific Courses (24 credit hours):

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

Choose 1 of the following:

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

Track Electives (3 credit hours):

Choose 1 of the following:

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

Public Relations Track and Elective Requirements (27 credit hours)

Track-Specific Courses (24 credit hours):

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

Choose 1 of the following:

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

Choose 1 of the following:

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

Choose 1 of the following:

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

Choose 1 of the following:

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

Choose 1 of the following:

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

Track Electives (3 credit hours):

Choose 1 of the following:

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

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

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

Track-Specific Courses (24 credit hours):

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

Choose 1 of the following:

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

Choose 1 of the following:

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

Choose 1 of the following:

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

Choose 1 of the following:

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

Track Electives (3 credit hours):

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

Note:

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

General Education Requirements

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

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

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

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

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

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

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

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

Or any other DF courses

Tier III: Capstone Experience

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

MINOR REQUIREMENTS (21 CREDIT HOURS)

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

Required Core Courses (12 credit hours)

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

Elective Courses (9 credit hours)

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

General Education Requirements

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

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

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

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

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

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

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

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

ENGLISH PROGRAM

PROSPECTUS

The Field

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

Or any other DF courses

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Options at UOG

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

The division also offers two **minors**: English and Writing.

Preparation for Teaching

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

Preferably during their freshman year, they should review both English and the [School of Education / Secondary Education](#) sections of the Catalog. They should also sign up for two [advisors](#), one from their content major — English or Linguistics — and the other from Education.

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

LEARNING OUTCOMES

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

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

EMPHASES

ENGLISH MAJOR EMPHASES

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

- English for Education
- Linguistics/ESL
- Literature

ENGLISH MINORS

- English
- Writing

Note: Refer to the Degree Requirements tab to see the courses required for each emphasis and minor.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

All declared English majors must have a cumulative GPA of 2.67 (B-) or better in major courses in order to graduate with a Bachelor of Arts in English. English majors must receive a grade of “C” or better in any English major course. All English majors must complete (or demonstrate proficiency through a [Course Waiver](#) or [Credit by Examination](#)) a two-semester sequence of a modern language, totaling eight credit hours.

LITERATURE EMPHASIS REQUIREMENTS (42 CREDIT HOURS)

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

General Education (Recommended Courses)

GENERAL EDUCATION REQUIREMENTS

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

Tier II: Diversity Foundation

Creative & Expressive Arts

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

Human Systems & Organizations

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

Tier II: Uniquely UOG

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

Course	Credits
Mandatory language other than English	4 credit hours

Tier II: Direction Building

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

Course	Course Title	Credits	Term Offered
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EN225	INTRODUCTION TO LITERARY CRITICISM	3	FALL ONLY/ ALL YEARS
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***Choice of:**

Course	Course Title	Credits	Term Offered
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EN314	BRITISH LITERATURE	3	SPRING ONLY/ ALL YEARS
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EN317	AMERICAN LITERATURE	3	FALL/SPRING/ ALL YEARS
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EN318	WORLD LITERATURE	3	FALL ONLY/ ALL YEARS
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Course	Credits
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A second semester of the language other than English that was taken to help fulfill the Uniquely UOG category.	4 credit hours
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** While only one of these courses will double count toward both General Education and your major requirements, all three of these courses are required for the Literature emphasis major.*

Required Courses (24 credit hours)

Course	Course Title	Credits	Term Offered
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EN225	INTRODUCTION TO LITERARY CRITICISM	3	FALL ONLY/ ALL YEARS
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LN300	INTRODUCTION TO LINGUISTICS	3	FALL/SPRING/ ALL YEARS
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EN314	BRITISH LITERATURE	3	SPRING ONLY/ ALL YEARS
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EN317	AMERICAN LITERATURE	3	FALL/SPRING/ ALL YEARS
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EN318	WORLD LITERATURE	3	FALL ONLY/ ALL YEARS
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Capstone Course:

Course	Course Title	Credits	Term Offered
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EN480	LITERARY THEORY	3	SPRING ONLY/ ALL YEARS
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Choice of:

Course	Course Title	Credits	Term Offered
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EN311	CREATIVE WRITING:	3	FALL/SPRING/ ALL YEARS
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EN316	PROFESSIONAL WRITING	3	SPRING ONLY/ ALL YEARS
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EN319	ADVANCED COMPOSITION	3	FALL/SPRING/ ALL YEARS
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Choice of:

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

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

Elective Courses (18 credit hours)

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

LINGUISTICS/ESL EMPHASIS REQUIREMENTS (42 CREDIT HOURS)

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

General Education (Recommended Courses)

GENERAL EDUCATION REQUIREMENTS

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

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

Tier II: Diversity Foundation

Science & Math

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

Human Sciences

Choice of:

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

Creative & Expressive Arts

Choice of:

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

Human Systems & Organizations

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

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

Cultural Perspectives

Choice of:

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

Tier II: Uniquely UOG

Choice of:

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

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

Course	Credits
Mandatory language other than English	4 credit hours

Tier II: Direction Building

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

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

*Choice of:

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

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

Required Courses (27 credit hours)

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

Capstone Course:

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

Elective Courses (15 credit hours)

Choose any of the following:

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

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

ENGLISH FOR EDUCATION EMPHASIS REQUIREMENTS (42 CREDIT HOURS)

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

General Education (Recommended Courses)

GENERAL EDUCATION REQUIREMENTS

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

Tier II: Diversity Foundation

Science & Math

Course	Credits
Any course in this category	3 credit hours

Human Sciences

Any course in this category, except for students declaring a Secondary Education double major, in which case it is recommended to take PY-101 Introduction to Psychology as it is a prerequisite for ED-201 Human Growth and Development, a SEED Major Program Requirement.

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

Creative & Expressive Arts

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

Human Systems & Organizations

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

Cultural Perspectives

Any course in this category, except for students declaring a Secondary Education double major, in which case it is recommended to take ED-265 Culture and Education on Guam or HI-211 History of Guam to fulfill SEED Major Program Requirements.

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

Tier II: Uniquely UOG

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

Course	Credits
Mandatory language other than English	4 credit hours

Tier II: Direction Building

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

*Choice of:

Course	Course Title	Credits	Term Offered
LN300	INTRODUCTION TO LINGUISTICS	3	FALL/SPRING/ ALL YEARS
LN350	LINGUISTICS AND THE LANGUAGE ARTS	3	FALL ONLY/ ALL YEARS

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

Required Courses (33 credit hours)

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

Choice of:

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

Capstone Course:

Choice of:

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

Elective Courses (9 credit hours)

Choose one course from each group:

Group 1

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

Group 2

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

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

Group 3

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

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

MINOR REQUIREMENTS

ENGLISH MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (6 credit hours)

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

Choice of:

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

Elective Courses (12 credit hours)

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

WRITING MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (9 credit hours)

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

Elective Courses (9 credit hours)

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

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FINE ARTS PROGRAM

PROSPECTUS

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

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The program

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

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

4. Demonstrate mastery of one artistic skill in public displays and performances using professional production values from coursework.

Career possibilities

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

Why UOG?

A unique aspect of UOG's Fine Arts Program is the combination of art, music, and theater into one major. The Fine Arts major has three courses (9 credits) that are taken by students in all three tracks. This contact brings awareness of the creative process throughout the arts and encourages collaboration. The program promotes growth in personal experience, artistic self-expression, and stimulates exploration of the role of the arts in society. As a result of the historical, interpretive, and creative components of the Fine Arts Program, students are personally challenged to achieve proficiency in their chosen area and appreciation for the creations and presentations of other artists.

LEARNING OUTCOMES

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

1. Using common terms, techniques and methods of expression in the artistic languages of performing and visual arts, analyze the creations and presentations of other artists;
2. Understand the history of one or more art, music or theatre styles;
3. Apply knowledge of the interrelationship of the arts and its influence in society to creative processes; and

TRACKS

FINE ARTS TRACKS

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

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

Majors will track into one of the following three areas:

Art

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

Music

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

Theater

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

Refer to the Degree Requirements tab to see the courses required for each track.

FINE ARTS MINOR

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

Refer to the Degree Requirements tab to see the courses required for this minor.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

ART TRACK REQUIREMENTS (60 CREDIT HOURS)

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

Required Courses (39 credit hours)

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

Choice of:

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

Elective Courses (21 credit hours)

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

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

MUSIC TRACK REQUIREMENTS (63 CREDIT HOURS)

Required Courses (63 credit hours)

Course	Course Title	Credits	Term Offered
FA231	SURVEY OF THE ARTS	3	FALL ONLY/ ALL YEARS
FA331	PHILOSOPHY OF THE ARTS	3	SPRING ONLY/ EVEN YEARS
FA431	SURVIVAL IN THE ARTS	3	SPRING ONLY/ ODD YEARS
MU101	MUSIC FUNDAMENTALS	3	FALL/SPRING/ ALL YEARS
MU121	BEGINNING CLASS PIANO	2	FALL ONLY/ ALL YEARS
MU122	INTERMEDIATE CLASS PIANO	2	SPRING ONLY/ ALL YEARS
MU160	MUSIC THEORY I	2	FALL ONLY/ ODD YEARS
MU161	MUSIC THEORY II	2	SPRING ONLY/ EVEN YEARS
MU170	EAR TRAINING I	2	FALL ONLY/ ALL YEARS
MU171	EAR TRAINING II	2	SPRING ONLY/ ALL YEARS
MU202	APPLIED MUSIC	2	FALL/SPRING/ ALL YEARS
MU260	MUSIC THEORY III	2	FALL ONLY/ EVEN YEARS
MU261	MUSIC THEORY IV	2	SPRING ONLY/ ODD YEARS
MU302	INTERMEDIATE APPLIED MUSIC	2	FALL/SPRING/ ALL YEARS
MU310	MUSIC HISTORY I	3	FALL ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
MU311	MUSIC HISTORY II	3	SPRING ONLY/ ODD YEARS
MU315	INSTRUMENTAL TECHNIQUES	3	FALL ONLY/ ODD YEARS
MU321	CONDUCTING	3	FALL ONLY/ ALL YEARS
MU402	SENIOR RECITAL	2	FALL/SPRING/ ALL YEARS

*8 credits of MU202, 6 credits of MU302

7 credits from the following:

*At least 3 credits must be upper division

Course	Course Title	Credits	Term Offered
MU104	UNIVERSITY SINGERS	1	FALL/SPRING/ ALL YEARS
MU105	BAND	1	FALL/SPRING/ ALL YEARS
MU304	UPPER DIVISION UNIVERSITY SINGERS	1	FALL/SPRING/ ALL YEARS
MU305	UPPER DIVISION BAND	1	FALL/SPRING/ ALL YEARS

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

THEATER TRACK REQUIREMENTS (50 CREDIT HOURS)

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

Required Courses (40 credit hours)

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

*4 credits of TH292

Elective Courses (10 credit hours)

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

OR any other [Theater \(TH\) course](#)

Other courses may be substituted for the elective requirement if the student gets approval from a Theater

advisor prior to enrolling in the class. Each student's program will be developed with an advisor from the Theater faculty.

MINOR REQUIREMENTS

ART TRACK MINOR REQUIREMENTS (27 CREDIT HOURS)

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

Required Courses (9 credit hours)

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

Elective Courses (18 credit hours)

18 credit hours of [Art \(AR\) courses](#), of which nine credit hours must be upper division courses.

MUSIC TRACK MINOR REQUIREMENTS (25 CREDIT HOURS)

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

Required Courses (25 credit hours)

Course	Course Title	Credits	Term Offered
FA231	SURVEY OF THE ARTS	3	FALL ONLY/ ALL YEARS
MU101	MUSIC FUNDAMENTALS	3	FALL/SPRING/ ALL YEARS
MU104	UNIVERSITY SINGERS	1	FALL/SPRING/ ALL YEARS
MU105	BAND	1	FALL/SPRING/ ALL YEARS
MU304	UPPER DIVISION UNIVERSITY SINGERS	1	FALL/SPRING/ ALL YEARS
MU305	UPPER DIVISION BAND	1	FALL/SPRING/ ALL YEARS
MU121	BEGINNING CLASS PIANO	2	FALL ONLY/ ALL YEARS
MU122	INTERMEDIATE CLASS PIANO	2	SPRING ONLY/ ALL YEARS

Choice of:

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

8 credits from the following:

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

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

General Education Requirements
(Recommended Courses)

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

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

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

THEATER TRACK MINOR
REQUIREMENTS (25 CREDIT
HOURS)

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

Required Courses (17 credit hours)

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

*2 credits of TH292

Elective Courses (8 credit hours)

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

General Education Requirements
(Recommended Courses)

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

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

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

Tier III: Capstone Experience

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

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GEOGRAPHY PROGRAM

PROSPECTUS

The Geography Minor Program offers students a series of interdisciplinary, related courses that focus on place and the environment by using spatial perspective. The geography curriculum provides hands on as well as theoretical knowledge and skill in social, economic, cultural, physical and environmental understanding of the world and world's regions. Geography augments all academic majors at UOG and bridges the physical sciences with the humanities and the social sciences. Special emphasis is placed upon sustainability and culture in the Micronesian region. This minor is designed to enhance career preparedness for all majors, including education, health, business, social and physical sciences. The developing GIS certification program is under development to serve the community as well as students.

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LEARNING OUTCOMES

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

- 1.Physical geography: Explain and analyze knowledge of facts, functions, and processes of complex earth systems, as well as the methods and techniques used to study these systems.
- 2.Human geography: Specify complex and changing demographic, population, political, economic, cultural, and environmental patterns within a global context.

3. GIS/Mapping: Understand and apply analytical methods (e.g., map reading, statistics, and advanced geospatial technologies) to geospatial phenomena.
4. Environmental synthesis: Synthesize, evaluate and predict changing human and physical interactive Earth patterns in a spatial environmental framework with special emphasis on the Asia Pacific.

Student Advisement

REQUIREMENTS

MINOR REQUIREMENTS (22 CREDIT HOURS)

Required Courses (13 credit hours)

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

Elective Courses (9 credit hours)

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

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

General Education Requirements (Recommended Courses)

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

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

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

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

Tier III: Capstone Experience

Course within major:

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

FACULTY

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HISTORY PROGRAM

PROSPECTUS

The Field

Indispensable to the educated individual, an understanding of history embraces both the development of states and social and cultural institutions. As the story and interpretation of human experience and achievements, history gives perspective to related subjects in the humanities and social sciences.

Usage and Careers

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

Why UOG?

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

The History program offers courses for either a general knowledge of the history of civilization or for a special knowledge of particular topics and limited time periods.

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

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

LEARNING OUTCOMES

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

1. Be knowledgeable of major historical themes, developments, and events;
2. Read, interpret, and evaluate historical evidence carefully and analytically;
3. Develop skills in conducting independent historical research, including the ability to define a historical problem, locate appropriate evidence, organize information logically, and articulate findings clearly; and
4. Express their historical analyses clearly and persuasively both in written and oral forms.

TRACKS

HISTORY TRACKS

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

History

The History track emphasizes the accumulation of in-depth knowledge in multiple fields of historical inquiry as well as considerable training and practice in historical research, analysis, and writing. This track is recommended for students who plan to work in professional fields that require research, writing, and analysis or for students who plan to use the history degree as a step toward law school or graduate studies in fields such as history, anthropology, English literature, political science, or business.

History for Education

The History for Education track consists of similar course requirements to the History track but additionally ensures that students acquire the knowledge needed to meet the national content standards for social studies in secondary education. Students will complete coursework in the fields of history, political science, and geography. Students who choose this track should double major in [Secondary Education](#), complete the BA + program, or obtain a Master of Arts in Teaching after graduation.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

HISTORY TRACK REQUIREMENTS
(46 CREDIT HOURS)

Required Courses (31 credit hours)

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

And choice of:

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

Elective Courses (15 credit hours)

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

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

General Education Requirements (Recommended Courses)

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

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

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

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

2) DF or major exploration:

One of the following:

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

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

Any courses

Tier III: Capstone Experience

Course	Course Title	Credits	Term Offered
HI492	CAPSTONE IN HISTORY	1	

HISTORY FOR EDUCATION TRACK
REQUIREMENTS (49 CREDIT
HOURS)

Required Courses (34 credit hours)

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

Choice of:

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

Choice of:

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

Elective Courses (15 credit hours)

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

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

General Education Requirements
(Recommended Courses)

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

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

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

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

2) DF or major exploration:

One of the following:

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

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

Any course

Tier III: Capstone Experience

Course	Course Title	Credits	Term Offered
HI492	CAPSTONE IN HISTORY	1	

MINOR REQUIREMENTS

HISTORY MINOR REQUIREMENTS (24 CREDIT HOURS)

Required Courses (18 credit hours)

Course	Course Title	Credits	Term Offered
HI121	WORLD HISTORY I	3	FALL/SPRING/ ALL YEARS
HI122	WORLD HISTORY II	3	FALL/SPRING/ ALL YEARS
HI308	THE HISTORIANS' CRAFT	3	FALL ONLY/ ALL YEARS

Choice of:

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

Choose one group:

GROUP 1

Course	Course Title	Credits	Term Offered
HI201	EARLY AMERICA	3	FALL/SPRING/ ALL YEARS
HI202	MODERN AMERICA	3	FALL/SPRING/ ALL YEARS

GROUP 2

Course	Course Title	Credits	Term Offered
HI371	HISTORY OF EAST ASIA TO 1600	3	FALL ONLY
HI372	HISTORY OF EAST ASIA SINCE 1600	3	SPRING ONLY/ ALL YEARS

GROUP 3

Course	Course Title	Credits	Term Offered
HI444	MODERN PACIFIC HISTORY FROM 1850 TO THE PRESENT	3	SPRING ONLY/ EVEN YEARS
HI450	TOPICS IN PACIFIC HISTORY	3	SPRING ONLY/ ALL YEARS

Elective Courses (6 credit hours)

6 credits of any upper division History (HI) courses, which may include:

JAPANESE LANGUAGE PROGRAM

PROSPECTUS

Language reflects the culture of a society. Basic cultural assumptions, such as ways of thinking, perceiving, communicating, problem solving, and behaving, are manifested in a society's language. Through the study of a foreign language, students learn to understand different patterns of communication and gain cultural sensitivity and a global perspective.

The College of Liberal Arts and Social Sciences offers various language courses to fulfill the General Education

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

FACULTY

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modern language requirement. The college also offers a minor in the Japanese language. Among the modern languages offered are lower-division courses in CHamoru, Chinese, Chuukese, French, German, Japanese, Korean, Pohnpeian, Spanish, and Tagalog. Upper-level courses in CHamoru are also offered. After taking four semesters of the same language, a student can expect to achieve proficiency in reading, speaking, and writing the language.

The General Education modern language requirement may be satisfied by demonstrating first-year language proficiency in one of four ways:

1. Pass one semester of a language (other than English) from courses offered at UOG.
2. Transfer the equivalent of one semester of a language (other than English) from an accredited institution of higher learning.
3. Submit to the dean of the College of Liberal Arts and Social Sciences proof of a) being raised and receiving at least a primary education in a language-other-than-English environment or b) the ability to communicate both orally and in writing in that language.
4. Request credit by examination as per the University's policy.

Student Advisement

REQUIREMENTS

MINOR REQUIREMENTS

JAPANESE LANGUAGE MINOR
REQUIREMENTS (12 CREDIT HOURS)

Required Courses (12 credit hours)

Course	Course Title	Credits	Term Offered
JA201	INTERMEDIATE JAPANESE I	4	FALL ONLY/ EVEN YEARS
JA202	INTERMEDIATE JAPANESE II	4	SPRING ONLY/ ODD YEARS
JA301	THIRD YEAR JAPANESE I	4	FALL ONLY/ ODD YEARS
JA302	THIRD YEAR JAPANESE II	4	SPRING ONLY/ EVEN YEARS
JA401	FOURTH YEAR JAPANESE I	4	AS REQUIRED

Course	Course Title	Credits	Term Offered
JA402	FOURTH YEAR JAPANESE II	4	AS REQUIRED

FACULTY

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PHILOSOPHY PROGRAM

PROSPECTUS

The Field

Philosophy is the discipline that engages in a critical inquiry into the most fundamental questions of humanity: What is truth? What is knowledge? How should I live? Answering these questions requires a critical, yet sympathetic, mind to understand a broad range of perspectives.

Relevance and Demand

Philosophy prepares students to become strong thinkers and provides students with a set of intellectual skills -- including reading, writing, and oral presentation skills -- that can be applied to problems in their everyday lives and at work.

Philosophy also acts as an excellent complementary major to a range of courses of study, offering a rigorous theoretical perspective on topics in science, business, medicine, legal studies, literary studies, and the study of history and society. For this reason, no matter what else students study at the University, philosophy provides essential skills that allow students to approach their work in a more careful, rigorous, and engaged way.

Why UOG?

The Philosophy Program at the University of Guam has an especially strong focus on preparing students to:

- analyze problems imaginatively and sympathetically, from a range of points of view, including the points of view of those from very different cultural backgrounds;
- reason about complex issues; and

- express their ideas carefully and clearly.

Graduates of the Philosophy Program are typically open-minded and thoughtful individuals who can solve even novel problems in a rigorous and creative manner. The skills cultivated in our program are highly sought-after in a wide range of roles and by the admissions committees for all graduate degrees, including medicine, law, and business. In other words, no matter what students plan to do post-graduation, a degree in philosophy will provide the tools to do it more successfully.

PROGRAM LEARNING OBJECTIVES

By the end of a philosophy degree, students will be able to:

- justify positions with reasoned argument in a rigorous way;
- express themselves orally and in writing precisely and clearly;
- understand and engage with perspectives different to their own;
- analyze real-world problems using philosophical tools;
- reconstruct the positions of authors through the close reading of texts; and
- practice philosophical virtues in their interactions with others.

MINORS AND CERTIFICATE

PHILOSOPHY MINORS

- Philosophy
- Ethics

CERTIFICATE

- Ethics

See [Degree Requirements](#) tab for list of required courses for the minors and certificate.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

PHILOSOPHY MAJOR
REQUIREMENTS (36 CREDIT
HOURS)

Required Courses (21 credit hours)

Choose 2 of the following 100-level courses:

Course	Course Title	Credits	Term Offered
PI101	INTRODUCTION TO PHILOSOPHY	3	FALL/SPRING/ ALL YEARS
PI102	CONTEMPORARY ETHICAL PROBLEMS	3	FALL/SPRING/ ALL YEARS
PI103	INTRODUCTION TO ASIAN AND NON-WESTERN PHILOSOPHY	3	FALL ONLY/ ALL YEARS

Choose 2 of the following 200-level courses:

Course	Course Title	Credits	Term Offered
PI210	INTRODUCTION TO LOGIC	3	FALL ONLY/ ODD YEARS
PI220	ETHICAL THEORY	3	SPRING ONLY/ ALL YEARS
PI230	INDIGENOUS PHILOSOPHY	3	

Choose 2 of the following 300-level courses:

Course	Course Title	Credits	Term Offered
PI301	HISTORY OF WESTERN PHILOSOPHY I	3	FALL ONLY/ ODD YEARS
PI302	HISTORY OF WESTERN PHILOSOPHY II	3	SPRING ONLY/ EVEN YEARS
PI306	PHILOSOPHY OF RELIGION	3	SPRING ONLY/ ALL YEARS
PI331	PHILOSOPHY OF ART	3	SPRING ONLY/ EVEN YEARS

And:

Course	Course Title	Credits	Term Offered
PI481	CAPSTONE SEMINAR IN PHILOSOPHY	3	FALL/SPRING/ ALL YEARS

Elective Courses (15 credit hours)

Take 15 credits of any [Philosophy \(PI\)](#) courses. Nine credits must be upper division or PS-326.

Course	Course Title	Credits	Term Offered
PI101	INTRODUCTION TO PHILOSOPHY	3	FALL/SPRING/ ALL YEARS
PI102	CONTEMPORARY ETHICAL PROBLEMS	3	FALL/SPRING/ ALL YEARS
PI103	INTRODUCTION TO ASIAN AND NON-WESTERN PHILOSOPHY	3	FALL ONLY/ ALL YEARS
PI210	INTRODUCTION TO LOGIC	3	FALL ONLY/ ODD YEARS
PI220	ETHICAL THEORY	3	SPRING ONLY/ ALL YEARS
PI230	INDIGENOUS PHILOSOPHY	3	
PI301	HISTORY OF WESTERN PHILOSOPHY I	3	FALL ONLY/ ODD YEARS
PI302	HISTORY OF WESTERN PHILOSOPHY II	3	SPRING ONLY/ EVEN YEARS
PI306	PHILOSOPHY OF RELIGION	3	SPRING ONLY/ ALL YEARS
PI331	PHILOSOPHY OF ART	3	SPRING ONLY/ EVEN YEARS
PI410	COMMUNITY ENGAGED PHILOSOPHY	3	FALL ONLY/ ALL YEARS
PI481	CAPSTONE SEMINAR IN PHILOSOPHY	3	FALL/SPRING/ ALL YEARS
PI486	TRAVEL STUDIES IN ASIA	3	SUMMER/ ODD YEARS
PS326	POLITICAL PHILOSOPHY	3	FALL ONLY/ ALL YEARS

General Education Requirements (Recommended Courses)

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

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

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

Course	Course Title	Credits	Term Offered
PI102	CONTEMPORARY ETHICAL PROBLEMS	3	FALL/SPRING/ ALL YEARS

2) DF or major exploration:

Course	Course Title	Credits	Term Offered
PI301	HISTORY OF WESTERN PHILOSOPHY I	3	FALL ONLY/ ODD YEARS

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

Choose any course

Tier III: Capstone Experience

Course	Course Title	Credits	Term Offered
PI481	CAPSTONE SEMINAR IN PHILOSOPHY	3	FALL/SPRING/ ALL YEARS

MINOR REQUIREMENTS

PHILOSOPHY MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (12 credit hours)

Choose 1 of the following 100-level courses:

Course	Course Title	Credits	Term Offered
PI101	INTRODUCTION TO PHILOSOPHY	3	FALL/SPRING/ ALL YEARS
PI102	CONTEMPORARY ETHICAL PROBLEMS	3	FALL/SPRING/ ALL YEARS
PI103	INTRODUCTION TO ASIAN AND NON-WESTERN PHILOSOPHY	3	FALL ONLY/ ALL YEARS

Choose 1 of the following 200-level courses:

Course	Course Title	Credits	Term Offered
PI210	INTRODUCTION TO LOGIC	3	FALL ONLY/ ODD YEARS
PI220	ETHICAL THEORY	3	SPRING ONLY/ ALL YEARS
PI230	INDIGENOUS PHILOSOPHY	3	

Choose 1 of the following 300-level courses:

Course	Course Title	Credits	Term Offered
PI301	HISTORY OF WESTERN PHILOSOPHY I	3	FALL ONLY/ ODD YEARS
PI302	HISTORY OF WESTERN PHILOSOPHY II	3	SPRING ONLY/ EVEN YEARS
PI306	PHILOSOPHY OF RELIGION	3	SPRING ONLY/ ALL YEARS
PI331	PHILOSOPHY OF ART	3	SPRING ONLY/ EVEN YEARS

And:

Course	Course Title	Credits	Term Offered
PI481	CAPSTONE SEMINAR IN PHILOSOPHY	3	FALL/SPRING/ ALL YEARS

Elective Courses (6 credit hours)

Take 6 credit hours from any 300- or 400-level [Philosophy \(PI\) courses](#) or PS-326:

Course	Course Title	Credits	Term Offered
PI301	HISTORY OF WESTERN PHILOSOPHY I	3	FALL ONLY/ ODD YEARS
PI302	HISTORY OF WESTERN PHILOSOPHY II	3	SPRING ONLY/ EVEN YEARS
PI306	PHILOSOPHY OF RELIGION	3	SPRING ONLY/ ALL YEARS
PI331	PHILOSOPHY OF ART	3	SPRING ONLY/ EVEN YEARS
PI410	COMMUNITY ENGAGED PHILOSOPHY	3	FALL ONLY/ ALL YEARS
PI481	CAPSTONE SEMINAR IN PHILOSOPHY	3	FALL/SPRING/ ALL YEARS
PI486	TRAVEL STUDIES IN ASIA	3	SUMMER/ ODD YEARS

ETHICS MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses (9 credit hours)

Course	Course Title	Credits	Term Offered
PI102	CONTEMPORARY ETHICAL PROBLEMS	3	FALL/SPRING/ ALL YEARS
PI220	ETHICAL THEORY	3	SPRING ONLY/ ALL YEARS
PI481	CAPSTONE SEMINAR IN PHILOSOPHY	3	FALL/SPRING/ ALL YEARS

Elective Courses (9 credit hours)

Choose 9 credit hours from the following:

Course	Course Title	Credits	Term Offered
PI410	COMMUNITY ENGAGED PHILOSOPHY	3	FALL ONLY/ ALL YEARS
PI481	CAPSTONE SEMINAR IN PHILOSOPHY	3	FALL/SPRING/ ALL YEARS
BA406	ETHICS FOR THE ACCOUNTANT	3	FALL/SPRING/ ALL YEARS
PA405	LEADERSHIP ETHICS IN THE PROFESSIONS	3	FALL/SPRING/ ALL YEARS
NU326	NURSING MANAGEMENT	2	SPRING ONLY/ ALL YEARS
NU420	TRENDS IN NURSING	2	SPRING ONLY/ ALL YEARS

CERTIFICATE REQUIREMENTS

ETHICS CERTIFICATE REQUIREMENTS (12 CREDIT HOURS)

Required Courses (6 credit hours)

Course	Course Title	Credits	Term Offered
PI102	CONTEMPORARY ETHICAL PROBLEMS	3	FALL/SPRING/ ALL YEARS
PI220	ETHICAL THEORY	3	SPRING ONLY/ ALL YEARS

Elective Courses (6 credit hours)

Choose 6 credit hours from the following:

Course	Course Title	Credits	Term Offered
PI410	COMMUNITY ENGAGED PHILOSOPHY	3	FALL ONLY/ ALL YEARS
PI481	CAPSTONE SEMINAR IN PHILOSOPHY	3	FALL/SPRING/ ALL YEARS
BA406	ETHICS FOR THE ACCOUNTANT	3	FALL/SPRING/ ALL YEARS

POLITICAL SCIENCE PROGRAM

OVERVIEW

PROSPECTUS

The Field: Political science provides knowledge of the theory and practice of political power, authority, and justice. As a discipline, political scientists are primarily concerned with the role of power in the process of making

Course	Course Title	Credits	Term Offered
PA405	LEADERSHIP ETHICS IN THE PROFESSIONS	3	FALL/SPRING/ ALL YEARS
NU326	NURSING MANAGEMENT	2	SPRING ONLY/ ALL YEARS
NU420	TRENDS IN NURSING	2	SPRING ONLY/ ALL YEARS

FACULTY

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or influencing decisions, from the international system to governments and non-state actors. Howard Laswell defined politics as “who gets what, when, and how.” Political science analyzes and investigates these power processes and addresses issues like the distribution of public goods and services, military posturing in the region, and the impact of climate change on food security and economic problems.

Why UOG?: The Political Science Program at UOG makes understanding political processes and institutions in the United States and the Micronesian and Asia Pacific regions the focus of student learning, discovery, research, service, and extra-institutional collaboration. The program centers Guam as the focal point of our analyses in order to help students understand politics from a multiscalar perspective. The program shares a commitment to critiquing dominant centers and processes of power affecting our island and region, such as colonization, economic development, and militarization as well as providing a basic overview of the scope of political science in general.

The program includes a variety of courses that comprise three main subfields of political science:

- comparative politics
- international relations, and
- American and regional government

It also emphasizes reasoned evaluation of societal principles, analysis of political behavior, and the logical expression of thought.

Career Possibilities: A Political Science degree prepares students for careers in government and politics, law, teaching, and business or for graduate studies in a wide range of professional areas.

LEARNING OUTCOMES

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

1. Analyze the political systems found in the United States and Micronesia.
2. Apply theories to the study of domestic and international politics.
3. Compare political systems and processes in different periods, locations and contexts.
4. Design a political research project that incorporates principles of social science inquiry.
5. Interpret the meaning and implications of political speech, text, images, art and acts.

TRACKS AND MINOR

POLITICAL SCIENCE TRACKS

All Political Science majors must meet the requirements of one of the following tracks and should seek [faculty advisement](#) within their respective track. *Refer to the Degree Requirements tab to see the courses required for each track.*

Political Science

The Political Science track provides students with a range of courses in three major subfields of political science:

- American and regional government
- comparative politics, and
- international relations.

Students acquire theoretical knowledge and develop a set of critical and analytical skills about institutions of government and politics.

Government for Education

The Government for Education track focuses on providing students with the knowledge needed to meet the national content standards for social studies in secondary education. Students will complete coursework in the fields of political science, history, and geography with a focus on government and politics. Students who choose this track should double major in [Secondary Education](#), complete the BA+ program, or obtain a Master of Arts in Teaching after graduation.

POLITICAL SCIENCE MINOR

The minor in Political Science requires 21 credit hours. It is particularly suited for students who need a strong background in government and politics for their professional work or graduate studies.

Refer to the Degree Requirements tab to see the courses required.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

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

POLITICAL SCIENCE TRACK REQUIREMENTS (50 CREDIT HOURS)

General Education (Recommended Courses)

Political Science track majors should complete the following courses in partial fulfillment of the General Education Diversity Foundation and Direction Building requirements on the [Student Advisement Sheet](#).

Tier II: Diversity Foundation

Science & Math

Course	Course Title	Credits	Term Offered
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS

Human Sciences

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

Creative & Expressive Arts

Course	Credit Hours
Any course in this category	3

Human Systems & Organizations

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

Cultural Perspectives

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

Uniquely UOG

Course	Course Title	Credits	Term Offered
PS225	STATE AND TERRITORIAL GOVERNMENT	3	FALL/SPRING/ ALL YEARS

Course	Credit Hours
Any 101 or 102 language	4

Tier II: Diversity Building

After declaring as a Political Science – Political Science track major, students will take the following to complete this General Education requirement:

1) CD, DF, or UU as a prerequisite:

Choice of:

Course	Course Title	Credits	Term Offered
PS300	RESEARCH METHODOLOGY IN POLITICAL SCIENCE	3	SPRING ONLY/ ALL YEARS
PS302	COMPARATIVE POLITICS	3	FALL ONLY/ ALL YEARS

2) DF or major exploration:

Course	Course Title	Credits	Term Offered
PS482	SPECIAL TOPICS IN POLITICAL SCIENCE	3	FALL/SPRING/ ALL YEARS

3) DF or UU exploration outside major requirements:

Course	Credit Hours
Any course in this category	3

Tier III: Capstone Experience

Course	Course Title	Credits	Term Offered
PS492	CAPSTONE IN POLITICAL SCIENCE	2	FALL/SPRING/ ALL YEARS

Required Courses (38 credit hours)

Course	Course Title	Credits	Term Offered
PS101	INTRODUCTION TO GOVERNMENT AND POLITICS	3	FALL/SPRING/ ALL YEARS
PS202	GOVERNMENT IN THE UNITED STATES	3	FALL/SPRING/ ALL YEARS
PS215	INTERNATIONAL RELATIONS	4	SPRING ONLY/ ALL YEARS
PS225	STATE AND TERRITORIAL GOVERNMENT	3	FALL/SPRING/ ALL YEARS
PS300	RESEARCH METHODOLOGY IN POLITICAL SCIENCE	3	SPRING ONLY/ ALL YEARS
PS302	COMPARATIVE POLITICS	3	FALL ONLY/ ALL YEARS
PS326	POLITICAL PHILOSOPHY	3	FALL ONLY/ ALL YEARS
PS398	INTERNSHIP	3	FALL ONLY/ ALL YEARS
PS492	CAPSTONE IN POLITICAL SCIENCE	2	FALL/SPRING/ ALL YEARS
BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS

Choice of:

Course	Course Title	Credits	Term Offered
PS304	POLITICS OF ASIA	3	FALL ONLY/ EVEN YEARS
PS306	POLITICS OF DEVELOPING NATIONS	3	FALL ONLY/ ODD YEARS
PS307	POLITICS OF ECONOMIC DEVELOPMENT	3	SPRING ONLY/ ALL YEARS

Choice of:

Course	Course Title	Credits	Term Offered
PS412	POLITICS OF MICRONESIA	3	FALL ONLY/ ALL YEARS
PS440	INDIGENOUS POLITICS	3	SPRING ONLY/ EVEN YEARS

Elective Courses (12 credit hours)

Any combination of upper division (300- and 400-level) **Political Science (PS) courses**. At least one must be a 400-level course or MA-385 Applied Statistics.

CREDIT FOR AP EXAMINATION

Students who report a score of 3 on the Advanced Placement U.S. Government examination will:

1. fulfill prerequisite requirements of other Political Science courses for PS-202 Government in the United States and
2. fulfill the Political Science major/minor requirement for PS-202.

Students who report scores of 4 or 5 on this exam will additionally receive three hours of academic credit equivalent to one semester in PS-202. Students

who report a score of 4 or 5 on the AP Comparative Government examination will be considered to have met the PS-101 course requirement for the Political Science major; however, no academic credit will be awarded.

GOVERNMENT FOR EDUCATION TRACK REQUIREMENTS (50 CREDIT HOURS)

General Education (Recommended Courses)

Political Science – Government for Education track majors should complete the following courses in partial fulfillment of the General Education Diversity Foundation and Direction Building requirements on the [Student Advisement Sheet](#).

Tier II: Diversity Foundation

Science & Math

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

Human Sciences

Choice of:

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

Creative & Expressive Arts

Course	Credit Hours
Any course in this category	3

Human Systems & Organizations

Choice of:

Course	Course Title	Credits	Term Offered
GE201	WORLD REGIONAL GEOGRAPHY	3	FALL/SPRING/ ALL YEARS
HI121	WORLD HISTORY I	3	FALL/SPRING/ ALL YEARS
HI122	WORLD HISTORY II	3	FALL/SPRING/ ALL YEARS

Cultural Perspectives

Choice of:

Course	Course Title	Credits	Term Offered
HI211	HISTORY OF GUAM	3	FALL/SPRING/ ALL YEARS

Uniquely UOG

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

Course	Credit Hours
Any 101 or 102 language	3

Tier II: Diversity Building

After declaring as a Political Science – Political Science track major, students will take the following to complete this General Education requirement:

1) CD, DF, or UU as a prerequisite:

Choice of:

Course	Course Title	Credits	Term Offered
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PS302	COMPARATIVE POLITICS	3	FALL ONLY/ ALL YEARS
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2) DF or major exploration

Course	Course Title	Credits	Term Offered
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PS402	AMERICAN CONSTITUTIONAL DEVELOPMENT/ LAW	3	FALL ONLY/ ODD YEARS
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3) DF or UU exploration outside major requirements:

Course	Credit Hours
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Any course in this category	3
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Tier III: Capstone Experience

Course	Course Title	Credits	Term Offered
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PS492	CAPSTONE IN POLITICAL SCIENCE	2	FALL/SPRING/ ALL YEARS
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Required Courses (41 credit hours)

Course	Course Title	Credits	Term Offered
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PS101	INTRODUCTION TO GOVERNMENT AND POLITICS	3	FALL/SPRING/ ALL YEARS
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PS202	GOVERNMENT IN THE UNITED STATES	3	FALL/SPRING/ ALL YEARS
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PS215	INTERNATIONAL RELATIONS	4	SPRING ONLY/ ALL YEARS
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PS225	STATE AND TERRITORIAL GOVERNMENT	3	FALL/SPRING/ ALL YEARS
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PS302	COMPARATIVE POLITICS	3	FALL ONLY/ ALL YEARS
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PS307	POLITICS OF ECONOMIC DEVELOPMENT	3	SPRING ONLY/ ALL YEARS
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PS402	AMERICAN CONSTITUTIONAL DEVELOPMENT/ LAW	3	FALL ONLY/ ODD YEARS
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PS426	AMERICAN POLITICAL THOUGHT	3	SPRING ONLY/ ALL YEARS
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PS492	CAPSTONE IN POLITICAL SCIENCE	2	FALL/SPRING/ ALL YEARS
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BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS
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Choice of:

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

Choice of:

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

Choice of:

Course	Course Title	Credits	Term Offered
HI201	EARLY AMERICA	3	FALL/SPRING/ ALL YEARS
HI202	MODERN AMERICA	3	FALL/SPRING/ ALL YEARS

Choice of:

Course	Course Title	Credits	Term Offered
PS304	POLITICS OF ASIA	3	FALL ONLY/ EVEN YEARS
PS412	POLITICS OF MICRONESIA	3	FALL ONLY/ ALL YEARS

Elective Courses (9 credit hours)

Any combination of upper division (300- and 400-level) [Political Science \(PS\) courses](#) (at least one course must be a 400-level course).

MINOR REQUIREMENTS

POLITICAL SCIENCE MINOR REQUIREMENTS (22 CREDIT HOURS)

Required Courses (12 credit hours)

Course	Course Title	Credits	Term Offered
PS101	INTRODUCTION TO GOVERNMENT AND POLITICS	3	FALL/SPRING/ ALL YEARS
PS202	GOVERNMENT IN THE UNITED STATES	3	FALL/SPRING/ ALL YEARS
PS215	INTERNATIONAL RELATIONS	4	SPRING ONLY/ ALL YEARS
PS225	STATE AND TERRITORIAL GOVERNMENT	3	FALL/SPRING/ ALL YEARS

Elective Courses (9 credit hours)

Any upper division (300- or 400-level) [Political Science \(PS\) courses](#).

FACULTY

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PSYCHOLOGY PROGRAM

PROSPECTUS

The Field

As a behavioral science, and as a distinct, but integral, part of natural science, psychology links the social and biological sciences. The major areas of psychological study focus on individual human behavior conceptualized as a natural phenomenon; studied by scientific methods, including experimentation; and understood in terms of psychological theories and laws.

Relevance

The general objectives of the Psychology Program are to increase students' understanding of themselves and others, to enhance the skills of those specializing in related areas of study, and to prepare those pursuing psychology for careers. Within the Micronesian region, in particular, those educated in psychology are able to help address critical issues including drug abuse, domestic violence, and the prevention of suicide.

Career Possibilities

Psychology graduates pursue careers in mental health and social services, child and family services, substance abuse counseling, residential care, rehabilitation, case

management, and more. Many psychology majors also continue on to graduate study.

LEARNING OUTCOMES

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

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

- 9.Acquired effective personal development skills;
- 10Acquired knowledge and competence in career planning and development.

DEGREE REQUIREMENTS

PSYCHOLOGY MAJOR REQUIREMENTS (41-42 CREDIT HOURS)

Students must receive a grade of "C" or better in any course to be credited toward completion of the Psychology major. This requirement applies only to the 42 credits counted specifically toward completion of Psychology major requirements. It does not apply to General Education courses or to generic electives.

Required Courses (17-18 credit hours)

Course	Course Title	Credits	Term Offered
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
PY210	INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY	3	SPRING ONLY/ ALL YEARS
PY210L	INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
PY413	RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES	3	FALL ONLY/ ALL YEARS
PY413L	RESEARCH METHODOLOGY IN THE BEHAVIORAL SCIENCES LAB	1	FALL ONLY/ ALL YEARS

Choice of:

Course	Course Title	Credits	Term Offered
PY492A	PSYCHOLOGY PRACTICUM	3	FALL ONLY/ ALL YEARS
PY492B	PSYCHOLOGY PRACTICUM	3	SPRING ONLY/ ALL YEARS

Choice of:

Course	Course Title	Credits	Term Offered
MA385	APPLIED STATISTICS	3	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS

Elective Courses (24 credit hours)

At least 18 hours of upper division courses. Six hours of these must be 400-level [Psychology \(PY\) courses](#); otherwise, students may select from upper division (300- and 400-level) Psychology courses or from [BI-157/157L](#) and [BI-158/158L](#). Student must also take an additional six hours of electives selected from any non-required Psychology course.

General Education (Recommended Courses)

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

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

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

Course	Course Title	Credits	Term Offered
PY210	INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY	3	SPRING ONLY/ ALL YEARS
PY210L	INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS

2) DF or major exploration

Any DF course in [Biology \(BI\)](#), [Philosophy \(PI\)](#), [Sociology \(SO\)](#), or [Social Work \(SW\)](#) or any of the following courses:

Course	Course Title	Credits	Term Offered
PY100	PERSONAL ADJUSTMENT	3	FALL/SPRING/ ALL YEARS
PY201	CHILD DEVELOPMENT	3	FALL ONLY/ ALL YEARS
AN101	INTRODUCTION TO ANTHROPOLOGY	3	FALL/SPRING/ ALL YEARS
WG101	INTRODUCTION TO WOMEN & GENDER STUDIES	3	FALL/SPRING/ ALL YEARS

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

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

OR any other DF course

Tier III – Capstone Experience

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

PSYCHOLOGY MINOR
REQUIREMENTS (19 CREDIT HOURS)

Required Courses (7 credit hours)

Course	Course Title	Credits	Term Offered
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
PY210	INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY	3	SPRING ONLY/ ALL YEARS
PY210L	INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS

Elective Courses (12 credit hours)

Any 200-, 300-, or 400-level [Psychology \(PY\) courses](#), six credits of which must be at the 400 level.

FACULTY

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SOCIOLOGY PROGRAM

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PROSPECTUS

The Field

Sociology is the scientific study of the causes and consequences of human interaction. The Sociology Program at the University of Guam combines scientific and humanistic perspectives in the study of family patterns and relationships, social change, social movements, community development, and social issues, such as ethnic, religious, political, and gender relations. Sociology is most interested in the diversity of the world, and it is for this world that students must be prepared.

Career Possibilities

This program equips students with the necessary skills to pursue careers in:

- Research
- Journalism
- Politics and government
- Public relations
- Business
- Counseling
- International aide work
- Criminal justice

- Community development
- Social work
- Public administration
- Education
- Family services

Additionally, this program provides training and a strong foundation for students wishing to pursue graduate degrees in sociology and other related disciplines and for entry-level positions involved with the analysis, interpretation, and evaluation of social behavior, social action, and social institutions.

Why UOG?

Through studying in one of the three areas of concentration of UOG's Sociology Program — Gender & Family Studies, Social Problems Studies, or Development Studies — students will encounter unique opportunities for both personal and academic growth. In recent years, students have presented research at international conferences; received scholarships and travel grants; participated in international field schools, internships, and service opportunities; and engaged with the local and regional communities beyond the classroom.

The Sociology Program also offers a minor, which students may consider as a complement to their chosen major.

LEARNING OUTCOMES

Upon completion of a major or double major in sociology, students will have demonstrated achievement in the ability to:

1. Apply sociological principles and concepts to the social world.
2. Evaluate the effectiveness of sociological theories in explaining aspects of the social world.
3. Apply qualitative and quantitative research methodologies in research design, data collection, and analyses in an ethical manner.
4. Explain sociological knowledge through oral and written communication.

CONCENTRATIONS

SOCIOLOGY CONCENTRATIONS

Students in the Sociology Program must choose one (or more) of the following areas of concentration and take no fewer than nine credit hours in their area.

Gender & Family Studies

The area of Gender & Family Studies focuses on the social dynamics that surround society's definitions of gender and gender identities. It examines the subtle interplay and dynamics of relations between and within the various genders. What does it mean to be female or male in the 21st century? In what ways does culture influence gender? How have gender roles changed over time? Why are gender roles so different throughout our world?

This area of concentration also focuses on one of the most important social groups: the family. How do families function? How do they generate and manage conflict? And in our rapidly changing social world, what new forms of family are emerging that represent diverse societies?

Utilizing the scientific method, students will better understand ways to define families as private and public institutions that are influenced by collective and individualistic cultures. Students will study the ways religion, the state, cultural and racial diversity, social media, and technology construct family structures and their interactions.

Gender and family are inextricably intertwined structures, and it is important to conduct research in the region as these structures continue to transform and adapt to social change.

Social Problems Studies

Have you, or someone you know, ever been a victim of a crime? Have you, or someone you know, ever experienced family violence, drug or alcohol abuse, lived in poverty, or been discriminated against? All of these topics, and many more, are considered social problems.

Sociology is a science, and, as such, the way sociology approaches social problems is through research, the

systematic investigation of the world around us. By conducting research on social problems, sociologists strive to better understand social problems and ideally find solutions for these problems.

The objectives of the Social Problems Studies area of concentration are to:

1. provide students with an understanding of the relevant research on social problems, both in Micronesia and around the world, and
2. assist students in developing the ability to design a research study, collect and analyze data, and present their findings in a research paper.

Ideally, students will develop and apply the sociological perspective as they take a new look at the world around them and the social problems that they encounter. Maybe you will be the person to reduce crime and poverty.

Development Studies

The Development Studies concentration focuses on the ways in which societies grow and transform. The curriculum allows students to explore the realities and challenges of the modern world, while critically looking at how humanity arrived at this place in history.

Why is there so much wealth and yet so much poverty in the world? How have people in different cultures responded to the challenges they face? What can indigenous people teach us, and how can we empower communities to take charge of their own destinies? Development Studies addresses these and many more questions. The framework is grounded in the processes, policies, and practices of development with a particular focus on sustainability, drawing on Indigenous philosophy.

A unique focus on the application of learning outcomes means that students will graduate with:

- a comprehensive understanding of the history and key concepts of development work;
- the skills to lead transformational efforts;
- the capacity to demonstrate initiative, leadership, and originality in identifying challenges and opportunities for our society; and
- the ability to understand global trends and challenges communities face and how they can contribute to the welfare of these communities.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

SOCIOLOGY MAJOR
REQUIREMENTS (42–43 CREDIT
HOURS)

General Education (Recommended Courses)

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

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

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

Course	Course Title	Credits	Term Offered
SO203	INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS	3	FALL ONLY/ ALL YEARS

2) DF or major exploration:

Course	Course Title	Credits	Term Offered
SO350	DEVELOPMENT OF SOCIOLOGICAL THEORY - CLASSICAL	3	FALL ONLY/ ALL YEARS

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

Course	Course Title	Credits	Term Offered
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS

Tier III – Capstone Experience

Course	Course Title	Credits	Term Offered
SO491	SOCIOLOGICAL RESEARCH SEMINIAR	3	SPRING ONLY/ ALL YEARS

Required Courses (21-22 credit hours)

REQUIREMENT:

A grade of C or better must be earned in all required Sociology Program Courses

Course	Course Title	Credits	Term Offered
SO101	INTRODUCTION TO SOCIOLOGY	3	FALL/SPRING/ ALL YEARS
SO203	INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS	3	FALL ONLY/ ALL YEARS
SO350	DEVELOPMENT OF SOCIOLOGICAL THEORY - CLASSICAL	3	FALL ONLY/ ALL YEARS
SO351	DEVELOPMENT OF SOCIOLOGICAL THEORY - CONTEMPORARY	3	SPRING ONLY/ ALL YEARS
SO414	RESEARCH METHODOLOGY IN SOCIOLOGY	3	SPRING ONLY/ ALL YEARS
SO491	SOCIOLOGICAL RESEARCH SEMINIAR	3	SPRING ONLY/ ALL YEARS

Choice of:

Course	Course Title	Credits	Term Offered
MA385	APPLIED STATISTICS	3	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS

Elective Courses (21 credit hours)

Take 21 credit hours of 100-, 200-, 300-, and 400-level [Sociology \(SO\) courses](#) in Sociology or program-designated Sociology electives.

Students must choose one (or more) areas of concentration and take no fewer than nine credit hours' worth of electives in their concentration. No fewer than six credit hours from the 400-level coursework toward completion of major requirements are required.

Note: A course can only be used once.

CONCENTRATION REQUIREMENTS (9 CREDIT HOURS)

Gender & Family Studies (9 credit hours)

Required Courses

Course	Course Title	Credits	Term Offered
WG101	INTRODUCTION TO WOMEN & GENDER STUDIES	3	FALL/SPRING/ ALL YEARS
SO230	MARRIAGE AND THE FAMILY	3	FALL/SPRING/ ALL YEARS
SO342	SOCIOLOGY OF SEX AND GENDER	3	FALL ONLY/ EVEN YEARS
SO445	INEQUALITY AND IDENTITY	3	FALL ONLY/ EVEN YEARS
SO455	SOCIOLOGY OF WOMEN	3	FALL ONLY/ ODD YEARS

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

Course	Course Title	Credits	Term Offered
SO480	SPECIAL TOPICS	3	FALL/SPRING/ ALL YEARS
SO491	SOCIOLOGICAL RESEARCH SEMINAR	3	SPRING ONLY/ ALL YEARS
SO498	INTERNSHIP	1 - 6	FALL/SPRING/ ALL YEARS

Social Problems Studies (9 credit hours)

Required Courses

Course	Course Title	Credits	Term Offered
SO344	AGING: MYTH AND REALITIES	3	FALL ONLY/ ALL YEARS
SO202	CONTEMPORARY SOCIAL PROBLEMS	3	FALL/SPRING/ ALL YEARS
SO221	SOCIOLOGY OF HEALTH AND MEDICINE	3	FALL ONLY/ ALL YEARS
SO302	DEVIANCE AND SOCIAL CONTROL	3	SPRING ONLY/ ALL YEARS
SO386	JUVENILE DELINQUENCY AND CRIMINOLOGY	3	SPRING ONLY/ ALL YEARS
SO411	SOCIAL ISSUES IN MICRONESIA AND GUAM	3	FALL ONLY/ ALL YEARS
SO418	SOCIAL STRATIFICATION	3	FALL ONLY/ ALL YEARS
AN421	CROSS-CULTURAL & SOCIOLOGICAL PROBLEMS OF GUAM & MICRONESIA	3	SPRING ONLY/ ODD YEARS
PY440	SOCIAL PSYCHOLOGY	3	FALL ONLY/ ALL YEARS

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

Course	Course Title	Credits	Term Offered
SO480	SPECIAL TOPICS	3	FALL/SPRING/ ALL YEARS
SO491	SOCIOLOGICAL RESEARCH SEMINAR	3	SPRING ONLY/ ALL YEARS
SO498	INTERNSHIP	1 - 6	FALL/SPRING/ ALL YEARS

Development Studies (9 credit hours)

Required Courses

Course	Course Title	Credits	Term Offered
SO201	CONTEMPORARY SOCIETY	3	FALL ONLY/ FALL ONLY
PS304	POLITICS OF ASIA	3	FALL ONLY/ EVEN YEARS
SO332	GLOBALIZATION AND HUMAN DYNAMICS	3	SPRING ONLY/ EVEN YEARS
GE341	CULTURAL ECOLOGY	3	FALL ONLY/ ODD YEARS
SO360	SOCIAL MOVEMENTS AND CHANGE	3	SPRING ONLY/ ALL YEARS
SO405	COMMUNITY DEVELOPMENT	4	SPRING ONLY/ ODD YEARS
MI520	ECONOMIC DEVELOPMENT AND CHANGE IN MICRONESIA	3	FALL ONLY/ ODD YEARS
SO475	HUMAN ECOLOGY: PROBLEMS AND SOLUTIONS	3	FALL ONLY/ ODD YEARS

The following courses may also satisfy the major concentration if approved by the course instructor:

Choice of:

Course	Course Title	Credits	Term Offered
SO480	SPECIAL TOPICS	3	FALL/SPRING/ ALL YEARS
SO491	SOCIOLOGICAL RESEARCH SEMINIAR	3	SPRING ONLY/ ALL YEARS
SO498	INTERNSHIP	1 - 6	FALL/SPRING/ ALL YEARS

MINOR REQUIREMENTS

SOCIOLOGY MINOR REQUIREMENTS (18 CREDIT HOURS)

General Education (Recommended Courses)

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

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

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

Course	Course Title	Credits	Term Offered
SO203	INTRODUCTION TO QUANTITATIVE AND QUALITATIVE RESEARCH METHODS	3	FALL ONLY/ ALL YEARS

2) DF or major exploration:

Course	Course Title	Credits	Term Offered
SO350	DEVELOPMENT OF SOCIOLOGICAL THEORY - CLASSICAL	3	FALL ONLY/ ALL YEARS

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

Course	Course Title	Credits	Term Offered
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS

Tier III – Capstone Experience

Course	Course Title	Credits	Term Offered
SO491	SOCIOLOGICAL RESEARCH SEMINIAR	3	SPRING ONLY/ ALL YEARS

Required Courses (3 credit hours)

Course	Course Title	Credits	Term Offered
SO101	INTRODUCTION TO SOCIOLOGY	3	FALL/SPRING/ ALL YEARS

Elective Courses (15 credit hours)

Take 15 credit hours of any 200-level or above [Sociology \(SO\) courses](#), six credit hours of which must be at the 300- or 400-level.

FACULTY

Angeline L. Ames

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WOMEN AND GENDER STUDIES PROGRAM

PROSPECTUS

The Women & Gender Studies Program is an interdisciplinary minor and certificate program designed to provide students with a gender-focused curriculum that fully incorporates the concept of gender and is responsive to the issues, experiences, research, and discourse of multiple gender identities in Guam, within Micronesia, and throughout the global community.

The Women & Gender Studies program covers a wide range of contemporary topics dealing with the processes, trends, and explanations of family, women, and gender in our diverse society. The focus of the program is to aid undergraduate students in their understanding and development of major theories, issues, and research from an interdisciplinary perspective. The program is designed to provide students with the tools and abilities to assess, discuss, research, analyze, and write about change throughout the region; generating pathways to research careers.

Students will graduate with the skills needed to pursue careers in:

- Advocacy
- Business
- Community Development
- Counseling
- Education
- Government
- International Aide

- Journalism
- Media Literacy
- Research Associations
- Social Services
- National Leadership

Additionally, the Women & Gender Studies program provides training and a strong foundation for students wishing to pursue graduate degrees in Women & Gender Studies and other related disciplines.

One of the major strengths of the program is the Regional Research Center. The Women & Gender Regional Research Center supports the efforts of STEM (science, technology, engineering, and math); BUILD EXITO (research, mentoring, and career development); and the Micronesian Studies Graduate Program. The Women & Gender Studies program is for students who are interested in gender and regional research in the social, economic, cultural, and political achievements of Pacific Islanders and indigenous women, whose contributions influence and contribute to the advancement of women throughout the region. Emphasis is on undergraduate student research.

The program has five main objectives:

1. To offer an interdisciplinary program that will broaden understanding of the significance of gender in the lives, identities, activities, opportunities, and concerns of multiple gender identities in Guam, in other areas of Micronesia, and across cultures.

2. To provide degree students with a women- and gender-focused curriculum that will enhance their major field or study by highlighting issues, experiences, research, and discourse relevant to women locally, throughout Micronesia, and in a global context.
3. To offer non-degree seeking students the opportunity to gain knowledge of women- and gender-centered teaching and research that is responsive to the needs and interests of multiple gender identities in the multicultural community of Guam and culturally diverse Micronesian region within a comparative framework.
4. To provide professionals, as well as non-professional community-based individuals, with a series of gender-oriented courses and workshops that will empower and enrich their own lives and sense of identity as well as that of their families and communities.
5. To further establish the Regional Research Center that will investigate the needs and issues critical to people in Guam and throughout the Pacific Islands, which will serve to increase gender parity locally and internationally.

LEARNING OUTCOMES

Upon the completion of the Women & Gender Studies minor or certificate, students will demonstrate the ability to:

1. Understand and critique the significance of gender in the lives, identities, activities, opportunities, and concerns of multiple gender identities locally, regionally, and transnationally.
2. Analyze how gendered identities intersect with social media, the state, religion, the economy, ethnicity, race, class, and sexual orientation and how systems of inequality and oppression operate and are sustained.
3. Examine theoretical and practical connections between gender studies and students' major field of study by highlighting issues, experiences, research, and discourses relevant to Guam, Micronesia, and the global community.
4. Engage in research mindful of the needs and issues critical to cultural diversity in Guam, Micronesia, and the Pacific Islands, which will increase regional scholar-based partnerships, interpersonal skills, and leadership roles for students.

DEGREE REQUIREMENTS

MINOR REQUIREMENTS

WOMEN AND GENDER STUDIES
MINOR REQUIREMENTS (18 CREDIT
HOURS)

Required Courses (9 credit hours)

Course	Course Title	Credits	Term Offered
WG101	INTRODUCTION TO WOMEN & GENDER STUDIES	3	FALL/SPRING/ ALL YEARS
WG490	SPECIAL PROJECT	3	AS REQUIRED

Choice of:

Course	Course Title	Credits	Term Offered
WG201	GENDER AND SOCIETY	3	FALL ONLY/ ALL YEARS
WG230	MARRIAGE AND THE FAMILY	3	FALL/SPRING/ ALL YEARS

Elective Courses (9 credit hours)

Six credits must be upper division and outside of the student's major field of study, selected from those in other programs cross-listed with Women and Gender Studies. The following courses may be taken when topic is women and gender-focused.

Course	Course Title	Credits	Term Offered
WG323	LITERATURE BY WOMEN	3	FALL ONLY/ ALL YEARS
EN460	LITERATURES IN ENGLISH	3	FALL ONLY/ ALL YEARS
WG461	PACIFIC WOMEN WRITERS	3	SPRING ONLY/ ODD YEARS
WG230	MARRIAGE AND THE FAMILY	3	FALL/SPRING/ ALL YEARS
SO342	SOCIOLOGY OF SEX AND GENDER	3	FALL ONLY/ EVEN YEARS
SO455	SOCIOLOGY OF WOMEN	3	FALL ONLY/ ODD YEARS
WG455	PSYCHOLOGY OF WOMEN	3	SPRING ONLY/ ALL YEARS
PY491	PSYCHOLOGICAL RESEARCH SEMINAR	3	FALL/SPRING/ ALL YEARS
AL330	NUTRITION THROUGHOUT THE LIFESPAN	3	FALL ONLY/ ALL YEARS
AL450	FAMILY RESOURCES	3	SPRING ONLY/ ODD YEARS
SW480	FAMILY VIOLENCE	3	SPRING ONLY/ ALL YEARS
SW345	SOCIAL JUSTICE	3	FALL ONLY/ ALL YEARS
HI450	TOPICS IN PACIFIC HISTORY	3	SPRING ONLY/ ALL YEARS

CERTIFICATE REQUIREMENTS

WOMEN AND GENDER STUDIES CERTIFICATE REQUIREMENTS (12 CREDIT HOURS)

Required Courses (3 credit hours)

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

Elective Courses (9 credit hours)

The following course may be taken when topic is women and gender-focused:

Course	Course Title	Credits	Term Offered
WG201	GENDER AND SOCIETY	3	FALL ONLY/ ALL YEARS
WG323	LITERATURE BY WOMEN	3	FALL ONLY/ ALL YEARS
EN460	LITERATURES IN ENGLISH	3	FALL ONLY/ ALL YEARS
WG461	PACIFIC WOMEN WRITERS	3	SPRING ONLY/ ODD YEARS
WG230	MARRIAGE AND THE FAMILY	3	FALL/SPRING/ ALL YEARS
SO342	SOCIOLOGY OF SEX AND GENDER	3	FALL ONLY/ EVEN YEARS
SO455	SOCIOLOGY OF WOMEN	3	FALL ONLY/ ODD YEARS
WG455	PSYCHOLOGY OF WOMEN	3	SPRING ONLY/ ALL YEARS
PY491	PSYCHOLOGICAL RESEARCH SEMINAR	3	FALL/SPRING/ ALL YEARS
AL330	NUTRITION THROUGHOUT THE LIFESPAN	3	FALL ONLY/ ALL YEARS
AL450	FAMILY RESOURCES	3	SPRING ONLY/ ODD YEARS
SW345	SOCIAL JUSTICE	3	FALL ONLY/ ALL YEARS
SW480	FAMILY VIOLENCE	3	SPRING ONLY/ ALL YEARS

Students may also choose elective courses from other programs cross-listed with Women and Gender Studies or special workshops offered by the program.

FACULTY

PROGRAM CHAIR

Angeline L. Ames

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COLLEGE OF NATURAL AND APPLIED SCIENCES

AGRICULTURE & LIFE SCIENCES PROGRAM

PROSPECTUS

The undergraduate Agriculture & Life Sciences Program serves both College of Natural & Applied Sciences majors and non-major students of the University of Guam and other regional institutions. The program prepares majors to graduate with the knowledge, skills, and values that will enable them to succeed in professions (both public and private) in the life sciences and agriculture; graduate or other professional schools; and contributing to their families and communities. To non-majors, the program offers disciplinary knowledge and skills in agriculture and the life sciences through courses and minor programs.

Given the relevance of the program's disciplines to Guam's sustainability, we actively develop our courses to both interest and accommodate students from other disciplines at both the lower and upper division levels. The Agriculture & Life Sciences Program curriculum provides graduates with education, work, and training experiences designed to guide them into becoming professionals and leaders in Guam, the Western Pacific, and globally.

LEARNING OUTCOMES

1. Disciplinary knowledge and skills: Graduates will demonstrate integrated knowledge in their chosen fields of study and related sciences.
2. Research skills: Graduates possess critical thinking and analytical skills. Graduates are competent in basic procedures and safety protocols in conducting research. Graduates can use their knowledge and understanding of scientific concepts to explain and solve problems in their field.
3. Analytical skills: Graduates can apply quantitative and/or qualitative analytical methods in agriculture and the life sciences.

4. Communication skills: Graduates can gather and assess information and use it to create effective research and outreach communication media and oral presentations.
5. Ethics and professionalism: Graduates understand the ethical principles underlying research, publication, and professional behavior. Graduates can demonstrate teamwork and networking skills, and understand the importance of providing correct credit for others' work.
6. Multicultural competence: Graduates will develop cross-cultural respect and a foundation for life-long multicultural competence.
7. Life-long learning and integration of knowledge from the sciences and the arts: Graduates can empower themselves through lifelong learning to enhance their knowledge base, and demonstrate an ability to integrate knowledge from the sciences and the arts.

TRACKS

AGRICULTURE & LIFE SCIENCES TRACKS

The Agriculture & Life Sciences Program has four tracks:

Agriculture & Natural Resource Science

The Agriculture & Natural Resource Science track is intended for students who wish to continue their studies at the graduate level. This course of study will provide students with the necessary background to pursue the University's Master of Science degree in Sustainable Agriculture, Food, & Natural Resources or Environmental Science or any graduate program in agriculture and related fields in the United States or abroad. With

advanced training, the student could become a scientist working in a wide variety of fields, or a professional in areas of engineering, veterinary medicine and natural resources.

Tropical Agriculture Production

The Tropical Agriculture Production track is intended for students interested in professional careers in agriculture and related fields. The core courses will provide students with a broad foundation in agriculture with a concentration in tropical agriculture. Potential careers include an agriculture agent; quarantine officer; farm, landscape, or nursery management; agribusiness entrepreneur; natural resource conservation technician; service professional working with agricultural loans, crop assessment and forecasting agencies in government or private industry.

Human Nutrition & Food Sciences

Students majoring in the Human Nutrition & Food Sciences track are prepared for diverse careers in nutrition and food as well as to continue on to an approved dietetics program to become an eligible registered dietitian or pursue graduate school in a related field. The Human Nutrition & Food Sciences field of study includes work in environments such as the food industry, health care, and fitness facilities, nutrition education, extension education in nutrition, government or private-sector food and nutrition agencies, and science education.

Child & Family Life Sciences

The Child & Family Life Science track prepares students for careers with a diverse range of agencies and organizations that focus on improvement and/or maintenance of the well-being of individuals, families and communities in Guam, the Western Pacific, and the world. Professional networking opportunities with Guam-based organizations and community groups are fostered through the capstone experience requirements for the Agriculture & Life Sciences degree.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

AGRICULTURE & LIFE SCIENCES MAJOR REQUIREMENTS (112-130 CREDIT HOURS)

Description	Credit Hours
General Education Courses	35-47
ALS Core Courses	22-25
Track-Specific Courses	55-60
Total Credit Hours	112-130*

Note:

- Students must complete a minimum of 15 credits of upper division Agriculture & Life Sciences courses.
- Agriculture & Life Science majors must have a "C" or better in all courses required for the major.

General Education (35-47 credit hours)

Students must complete the [General Education requirements](#) listed in this catalog. Some of these courses are also Agriculture & Life Sciences program requirements and may be applied toward both sets of requirements. Consult your [CNAS academic advisor](#) or [major advisor](#) for recommendations that may count toward both General Education and major requirements.

Core Courses (22-25 credit hours)

Course	Course Title	Credits	Term Offered
AL101	INTRODUCTION TO AGRICULTURE	3	FALL/SPRING/ ALL YEARS
AL101L	INTRODUCTION TO AGRICULTURE LAB	1	FALL/SPRING/ ALL YEARS
AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS
AL351	PERSONAL AND FAMILY FINANCIAL MANAGEMENT	3	FALL ONLY/ ALL YEARS
AL499	CAPSTONE SEMINAR	3	FALL/SPRING/ ALL YEARS

Choice of (3-4 credit hours):

Course	Course Title	Credits	Term Offered
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
BI412	BIOMETRICS	3	FALL ONLY/ ALL YEARS
BI412L	BIOMETRICS LABORATORY	1	FALL ONLY/ ALL YEARS

Choice of (3-5 credit hours):

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS

Choice of (2-3 credit hours):

Course	Course Title	Credits	Term Offered
AL490	SPECIAL PROJECTS	2 - 3	FALL/SPRING/ ALL YEARS
AL498	INTERNSHIP	2 - 3	FALL/SPRING/ ALL YEARS

**Note: AL-101/L, AL-185, AL-499 courses may also apply to General Education requirements.*

Track-Specific Courses

Upon entering the program track, students will be assisted by an academic adviser to identify their career objectives and select an appropriate option for study.

When selecting electives, students are encouraged to complete one or more of the many minor options offered under the program. The minor options are designed to provide areas of specialization to both Agriculture & Life Sciences majors and non-majors.

Agriculture & Natural Resource Science Track Requirements (55 credit hours)

Required Courses (51 credit hours)

Course	Course Title	Credits	Term Offered
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
BI315	GENERAL GENETICS	3	FALL ONLY/ ALL YEARS
BI315L	GENERAL GENETICS LABORATORY	1	FALL ONLY/ ALL YEARS
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
AL281	PRINCIPLES OF HORTICULTURAL SCIENCE	3	SPRING ONLY/ ALL YEARS
AL281L	PRINCIPLES OF HORTICULTURAL SCIENCE LAB	1	SPRING ONLY/ ALL YEARS
AL380	PRINCIPLES OF SOIL SCIENCE	3	FALL ONLY/ ALL YEARS
AL380L	PRINCIPLES OF SOIL SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
AL136	SCIENCE OF AQUACULTURE	3	SPRING ONLY/ ALL YEARS
AL136L	SCIENCE OF AQUACULTURE LAB	1	SPRING ONLY/ ALL YEARS
AL211	INTRODUCTION TO ANIMAL SCIENCE	3	FALL ONLY/ ALL YEARS
AL211L	INTRODUCTION TO ANIMAL SCIENCE LAB	1	FALL ONLY/ ALL YEARS

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
AL323	PLANT PATHOLOGY	3	FALL ONLY/ EVEN YEARS
AL323L	PLANT PATHOLOGY LAB	1	FALL ONLY/ EVEN YEARS
AL340	PEST MANAGEMENT	3	SPRING ONLY/ ODD YEARS
AL340L	PEST MANAGEMENT LAB	1	SPRING ONLY/ ODD YEARS
AL345	GENERAL ENTOMOLOGY	3	FALL ONLY/ ODD YEARS
AL345L	GENERAL ENTOMOLOGY LABORATORY	1	FALL ONLY/ ODD YEARS

Elective Courses (4 credit hours)

Upper division electives selected with an advisor. It is recommended to coordinate electives with Agriculture & Life Sciences or other UOG minor options.

Tropical Agriculture Production Track Requirements (59 credit hours)**Required Courses (47 credit hours)**

Course	Course Title	Credits	Term Offered
AL102	INTRODUCTION TO PLANT SCIENCE	3	FALL/SPRING/ ALL YEARS
AL102L	INTRODUCTION TO PLANT SCIENCE LAB	1	FALL/SPRING/ ALL YEARS
AL281	PRINCIPLES OF HORTICULTURAL SCIENCE	3	SPRING ONLY/ ALL YEARS
AL281L	PRINCIPLES OF HORTICULTURAL SCIENCE LAB	1	SPRING ONLY/ ALL YEARS
AL321	HORTICULTURAL PLANT ID AND PROPAGATION	3	FALL ONLY/ EVEN YEARS
AL321L	HORTICULTURAL PLANT ID AND PROPAGATION LAB	1	FALL ONLY/ EVEN YEARS
AL323	PLANT PATHOLOGY	3	FALL ONLY/ EVEN YEARS
AL323L	PLANT PATHOLOGY LAB	1	FALL ONLY/ EVEN YEARS
AL340	PEST MANAGEMENT	3	SPRING ONLY/ ODD YEARS
AL340L	PEST MANAGEMENT LAB	1	SPRING ONLY/ ODD YEARS
AL345	GENERAL ENTOMOLOGY	3	FALL ONLY/ ODD YEARS
AL345L	GENERAL ENTOMOLOGY LABORATORY	1	FALL ONLY/ ODD YEARS

Course	Course Title	Credits	Term Offered
AL380	PRINCIPLES OF SOIL SCIENCE	3	FALL ONLY/ ALL YEARS
AL380L	PRINCIPLES OF SOIL SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS

Choice of (8 credit hours):

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

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
AL136	SCIENCE OF AQUACULTURE	3	SPRING ONLY/ ALL YEARS
AL136L	SCIENCE OF AQUACULTURE LAB	1	SPRING ONLY/ ALL YEARS
AL211	INTRODUCTION TO ANIMAL SCIENCE	3	FALL ONLY/ ALL YEARS
AL211L	INTRODUCTION TO ANIMAL SCIENCE LAB	1	FALL ONLY/ ALL YEARS

Choice of (3 credit hours):

Course	Course Title	Credits	Term Offered
AL389	EXTENSION PROGRAMS & PLANNING	3	SPRING ONLY/ ALL YEARS
AL451	AGRICULTURAL BUSINESS MANAGEMENT	3	SPRING ONLY/ ODD YEARS

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
AL484	TROPICAL VEGETABLE PRODUCTION	3	SPRING ONLY/ ODD YEARS
AL484L	TROPICAL VEGETABLE PRODUCTION LAB	1	SPRING ONLY/ ODD YEARS
AL485	TROPICAL FRUITS HORTICULTURE	3	SPRING ONLY/ EVEN YEARS
AL485L	TROPICAL FRUITS HORTICULTURE LABORATORY	1	SPRING ONLY/ EVEN YEARS
AL486	ORNAMENTAL CROP PRODUCTION IN THE TROPICS	3	SPRING ONLY/ ODD YEARS
AL486L	ORNAMENTAL CROP PRODUCTION IN THE PACIFIC LABORATORY	1	SPRING ONLY/ ODD YEARS

Elective Courses (12 credit hours)

Upper division electives selected with an advisor. It is recommended to coordinate electives with Agriculture & Life Sciences or other UOG minor options.

Human Nutrition & Food Sciences Track Requirements (58–60 credit hours)**Required Courses (52-54 credit hours)**

Course	Course Title	Credits	Term Offered
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
AL140	SCIENTIFIC PRINCIPLES OF FOOD PREPARATION	3	FALL ONLY/ ALL YEARS
AL140L	SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB	1	FALL ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
AL330	NUTRITION THROUGHOUT THE LIFESPAN	3	FALL ONLY/ ALL YEARS
AL335	NUTRITION FOR HEALTH, FITNESS AND SPORT	3	SPRING ONLY/ ALL YEARS
AL342	FOOD SAFETY AND SANITATION	3	SPRING ONLY/ ODD YEARS
AL439	COMMUNITY NUTRITION	3	SPRING ONLY/ ODD YEARS
AL445	FOOD CHEMISTRY	3	SPRING ONLY/ EVEN YEARS
AL445L	FOOD CHEMISTRY LABORATORY	1	SPRING ONLY/ EVEN YEARS
AL460	ADVANCED HUMAN NUTRITION	4	FALL ONLY/ EVEN YEARS

Choice of (3 credit hours):

Course	Course Title	Credits	Term Offered
AL470	NUTRITION EDUCATION AND COUNSELING	3	FALL ONLY/ ODD YEARS
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS

Choice of (4-6 credit hours):

Course	Course Title	Credits	Term Offered
AL455G	NUTRITIONAL ASSESSMENT	3	SPRING ONLY/ ODD YEARS
AL475	MEDICAL NUTRITION THERAPY	3	SPRING ONLY/ EVEN YEARS
AL300	FOOD PROCESSING TECHNOLOGY	3	FALL ONLY/ ODD YEARS
AL300L	FOOD PROCESSING TECHNOLOGY LAB	1	FALL ONLY/ ODD YEARS

Elective Courses (6 credit hours)

Upper division electives selected with an advisor. It is recommended to coordinate electives with Agriculture & Life Sciences or other UOG minor options.

Child & Family Life Sciences Track Requirements (58–59 credit hours)

Required Courses (49-50 credit hours)

Course	Course Title	Credits	Term Offered
AL140	SCIENTIFIC PRINCIPLES OF FOOD PREPARATION	3	FALL ONLY/ ALL YEARS
AL140L	SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB	1	FALL ONLY/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
AN212	CULTURAL ANTHROPOLOGY	3	FALL ONLY/ ALL YEARS
SO230	MARRIAGE AND THE FAMILY	3	FALL/SPRING/ ALL YEARS
SW313	RESEARCH METHODS FOR HEALTH AND SOCIAL SERVICES	3	SPRING ONLY/ ALL YEARS
ED300	EDUCATIONAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
AL330	NUTRITION THROUGHOUT THE LIFESPAN	3	FALL ONLY/ ALL YEARS
SW344	AGING: MYTH & REALITIES	3	FALL ONLY/ ALL YEARS
ED350	EFFECTIVE TEACHING STRATEGIES FOR THE ELEMENTARY MULTICULTURAL CLASSROOM	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
AL389	EXTENSION PROGRAMS & PLANNING	3	SPRING ONLY/ ALL YEARS
AL450	FAMILY RESOURCES	3	SPRING ONLY/ ODD YEARS

Choice of (3 credit hours):

Course	Course Title	Credits	Term Offered
HS200	HEALTH AND WELLNESS	3	FALL/SPRING/ ALL YEARS
ED363	P.E. AND HEALTH METHODS ELEMENTARY	3	SPRING ONLY/ ALL YEARS

Choice of (3 credit hours):

Course	Course Title	Credits	Term Offered
SO332	GLOBALIZATION AND HUMAN DYNAMICS	3	SPRING ONLY/ EVEN YEARS
SO360	SOCIAL MOVEMENTS AND CHANGE	3	SPRING ONLY/ ALL YEARS

Choice of (3-4 credit hours):

Course	Course Title	Credits	Term Offered
HS210	HUMAN BIOLOGY AND BEHAVIOR	3	FALL ONLY/ ALL YEARS
BI110	HUMAN BIOLOGY	3	AS REQUIRED
BI110L	HUMAN BIOLOGY LABORATORY	1	AS REQUIRED

Choice of (3-4 credit hours):

Course	Course Title	Credits	Term Offered
AL309	YOUTH AT RISK	3	FALL ONLY/ ODD YEARS
PE214	COMMUNITY HEALTH FOR EDUCATORS	3	FALL ONLY/ EVEN YEARS

Choice of (3 credit hours):

Course	Course Title	Credits	Term Offered
SW480	FAMILY VIOLENCE	3	SPRING ONLY/ ALL YEARS
ED334	SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS	3	FALL/SPRING/ ALL YEARS

Elective Courses (9 credit hours)

Upper division electives selected with an advisor. It is recommended to coordinate electives with Agriculture & Life Sciences or other UOG minor options.

MINOR REQUIREMENTS**MINOR IN TROPICAL HORTICULTURE COURSE REQUIREMENTS (24 CREDITS)****Required Courses (24 credit hours)**

Course	Course Title	Credits	Term Offered
AL281	PRINCIPLES OF HORTICULTURAL SCIENCE	3	SPRING ONLY/ ALL YEARS
AL281L	PRINCIPLES OF HORTICULTURAL SCIENCE LAB	1	SPRING ONLY/ ALL YEARS
AL340	PEST MANAGEMENT	3	SPRING ONLY/ ODD YEARS
AL340L	PEST MANAGEMENT LAB	1	SPRING ONLY/ ODD YEARS
AL380	PRINCIPLES OF SOIL SCIENCE	3	FALL ONLY/ ALL YEARS
AL380L	PRINCIPLES OF SOIL SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
AL443	TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE	3	SPRING ONLY/ ODD YEARS
AL443L	TECHONOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY	1	SPRING ONLY/ ODD YEARS

SCIENCE REQUIREMENTS (24 CREDITS)

Required Courses (16 credit hours)

Course	Course Title	Credits	Term Offered
AL281	PRINCIPLES OF HORTICULTURAL SCIENCE	3	SPRING ONLY/ ALL YEARS
AL281L	PRINCIPLES OF HORTICULTURAL SCIENCE LAB	1	SPRING ONLY/ ALL YEARS
AL380	PRINCIPLES OF SOIL SCIENCE	3	FALL ONLY/ ALL YEARS
AL380L	PRINCIPLES OF SOIL SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
AL443	TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE	3	SPRING ONLY/ ODD YEARS
AL443L	TECHONOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY	1	SPRING ONLY/ ODD YEARS

Choice of (8 credit hours):

Course	Course Title	Credits	Term Offered
AL481	ENVIRONMENTAL SOIL SCIENCE	3	SPRING ONLY/ ODD YEARS
AL481L	ENVIRONMENTAL SOIL SCIENCE LABORATORY	1	SPRING ONLY/ ODD YEARS
AL484	TROPICAL VEGETABLE PRODUCTION	3	SPRING ONLY/ ODD YEARS
AL484L	TROPICAL VEGETABLE PRODUCTION LAB	1	SPRING ONLY/ ODD YEARS
AL485	TROPICAL FRUITS HORTICULTURE	3	SPRING ONLY/ EVEN YEARS
AL485L	TROPICAL FRUITS HORTICULTURE LABORATORY	1	SPRING ONLY/ EVEN YEARS

MINOR IN CROP & ENVIRONMENTAL PROTECTION

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
AL323	PLANT PATHOLOGY	3	FALL ONLY/ EVEN YEARS
AL323L	PLANT PATHOLOGY LAB	1	FALL ONLY/ EVEN YEARS
AL340	PEST MANAGEMENT	3	SPRING ONLY/ ODD YEARS
AL340L	PEST MANAGEMENT LAB	1	SPRING ONLY/ ODD YEARS
AL345	GENERAL ENTOMOLOGY	3	FALL ONLY/ ODD YEARS
AL345L	GENERAL ENTOMOLOGY LABORATORY	1	FALL ONLY/ ODD YEARS

Elective Courses (8 credit hours)

CEPS-related upper division electives (selected with and approved by ALS advisor)

MINOR IN FARM & NATURAL RESOURCES MANAGEMENT REQUIREMENTS (22 CREDITS)

Required Courses (22 credit hours)

Course	Course Title	Credits	Term Offered
AL102	INTRODUCTION TO PLANT SCIENCE	3	FALL/SPRING/ ALL YEARS
AL102L	INTRODUCTION TO PLANT SCIENCE LAB	1	FALL/SPRING/ ALL YEARS
AL281	PRINCIPLES OF HORTICULTURAL SCIENCE	3	SPRING ONLY/ ALL YEARS
AL281L	PRINCIPLES OF HORTICULTURAL SCIENCE LAB	1	SPRING ONLY/ ALL YEARS
AL351	PERSONAL AND FAMILY FINANCIAL MANAGEMENT	3	FALL ONLY/ ALL YEARS
AL451	AGRICULTURAL BUSINESS MANAGEMENT	3	SPRING ONLY/ ODD YEARS
AL484	TROPICAL VEGETABLE PRODUCTION	3	SPRING ONLY/ ODD YEARS
AL484L	TROPICAL VEGETABLE PRODUCTION LAB	1	SPRING ONLY/ ODD YEARS
AL485	TROPICAL FRUITS HORTICULTURE	3	SPRING ONLY/ EVEN YEARS
AL485L	TROPICAL FRUITS HORTICULTURE LABORATORY	1	SPRING ONLY/ EVEN YEARS

MINOR IN FOOD SCIENCE REQUIREMENTS (24 CREDITS)

Required Courses (23 credit hours)

Course	Course Title	Credits	Term Offered
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
AL140	SCIENTIFIC PRINCIPLES OF FOOD PREPARATION	3	FALL ONLY/ ALL YEARS
AL140L	SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB	1	FALL ONLY/ ALL YEARS
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
AL300	FOOD PROCESSING TECHNOLOGY	3	FALL ONLY/ ODD YEARS
AL300L	FOOD PROCESSING TECHNOLOGY LAB	1	FALL ONLY/ ODD YEARS
AL342	FOOD SAFETY AND SANITATION	3	SPRING ONLY/ ODD YEARS
AL445	FOOD CHEMISTRY	3	SPRING ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
AL445L	FOOD CHEMISTRY LABORATORY	1	SPRING ONLY/ EVEN YEARS

MINOR IN NUTRITION REQUIREMENTS (27 CREDITS)

Required Courses (18 credit hours)

Course	Course Title	Credits	Term Offered
AL140	SCIENTIFIC PRINCIPLES OF FOOD PREPARATION	3	FALL ONLY/ ALL YEARS
AL140L	SCIENTIFIC PRINCIPLES OF FOOD PREPARATION LAB	1	FALL ONLY/ ALL YEARS
AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS
AL330	NUTRITION THROUGHOUT THE LIFESPAN	3	FALL ONLY/ ALL YEARS

Choice of (8 credit hours):

Course	Course Title	Credits	Term Offered
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS

Elective Courses (9 credit hours)

Choice of three of the following courses selected with and approved by minor advisor:

Course	Course Title	Credits	Term Offered
AL439	COMMUNITY NUTRITION	3	SPRING ONLY/ ODD YEARS
AL335	NUTRITION FOR HEALTH, FITNESS AND SPORT	3	SPRING ONLY/ ALL YEARS
AL445	FOOD CHEMISTRY	3	SPRING ONLY/ EVEN YEARS
AL445L	FOOD CHEMISTRY LABORATORY	1	SPRING ONLY/ EVEN YEARS
AL470	NUTRITION EDUCATION AND COUNSELING	3	FALL ONLY/ ODD YEARS
AL475	MEDICAL NUTRITION THERAPY	3	SPRING ONLY/ EVEN YEARS
AL342	FOOD SAFETY AND SANITATION	3	SPRING ONLY/ ODD YEARS
AL460	ADVANCED HUMAN NUTRITION	4	FALL ONLY/ EVEN YEARS

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PROSPECTUS

The Field

Biology is the study of living systems ranging from the chemical and physical underpinnings of all universal phenomena to the inner workings of the cell to organismal

level inquiry and the complexities of populations, ecosystems, and biomes. The biological sciences encompass a broad, but interrelated, range of disciplines that lead to an equally diverse range of career paths.

Relevance and Demand

The world is experiencing a revolution in the biological disciplines as we have uncovered the genetic mechanisms by which it operates and the technology to manipulate them has become astonishingly rapid and cost-effective. These developments -- along with a greater understanding of complex biological systems -- have increased, and will continue to increase, our understanding of the biological world as well as allow this information to inform and drive improvements directly affecting humanity.

Why UOG?

UOG's Biology Program is unique as a result of our geographic placement that allows unequalled access to tropical organisms and ecosystems. We have purposefully designed our curriculum to take advantage of this and attract students from all over our region and worldwide. We also have purposefully incorporated a hands-on, research-focused approach from our foundational to capstone courses and believe this context prepares our students for real-world applications.

Given the relevance of the program's disciplines to Guam's sustainability, we actively develop our courses to both interest and accommodate students from other disciplines at both the lower and upper division levels. The Biology Program curriculum provides graduates with education, work, and training experiences designed to guide them into becoming professionals and leaders in Guam, the Western Pacific, and globally.

In support of its mission, the Biology unit encourages faculty capacity building in teaching-learning, assessment, research, and service. Mentoring assists students and faculty to achieve their potential.

Career and Post-Graduate Possibilities

An undergraduate degree in Biology offers inroads to many career paths dealing with our people and environment as well as to furthering careers that will ultimately produce all manner of health professionals. Biology majors have opportunities for undergraduate research experiences through laboratory classes, work as lab technicians, independent study projects, and guided original research.

Those who want to pursue post-graduate studies in the biological sciences will be prepared to compete for entry into demanding graduate programs at first-rate institutions worldwide.

Offerings for Non-Majors

The program provides courses for non-majors as well, including those majoring in Nursing, Agriculture & Life Sciences, and HPERD. The Biology Program also assists the Education program in training science teachers and enables students to meet the STEM goals of General Education requirements.

LEARNING OUTCOMES

1. **Disciplinary knowledge and skills:**

Graduates use their knowledge and understanding of essential concepts to solve problems in ecology, genetics, molecular biology, systematics, and evolution. They can apply their biology knowledge and skills to locally important issues such as island biogeography, conservation, and endangered species problems. They apply relevant concepts from chemistry and physics to biology problems.

2. **Quantitative skills:**

Graduates apply numerical methods in research design and use computers for analysis manipulating and modeling biological data.

3. **Research/laboratory skills:**

Graduates are competent in basic biology procedures and safety in the laboratory and the field; they formulate testable hypotheses and create effective experimental designs using their knowledge, understanding, and practical experience of scientific instruments.

4. **Communication skills:**

Graduates use scientific literature and diagrams as a source of information, properly cite sources and avoid plagiarism, and create text and graphics to communicate results effectively through print and oral presentations. They collect and assess evidence and use it to create effective arguments in writing scientific reports and proposals.

5. **Digital literacy:**

Graduates use and process information in multiple formats via computer. Graduates are competent in the following computer skills as related to their science work: desktop competencies, word processing,

presentation, and data retrieval and manipulation. Graduates effectively judge the usefulness and accuracy of external sources of information.

6. Professionalism:

Graduates work effectively together in teams in a laboratory and field settings and follow ethical principles underlying scientific research and publication. Graduates understand and apply the values and limitations of scientific research in addressing public policy issues.

TRACKS

BIOLOGY TRACKS

Integrative Biology

This track prepares students for a graduate degree in a biological science or a broad range of careers in the biological sciences. This track leads to the greatest number of opportunities in biology.

Bio-Medical

This track is for Biology majors intending to pursue medical, dental, pharmacy, veterinary school, or graduate school in biomedical research.

Applied Biology

This track is for Biology majors intending to begin an applied biology career at an introductory level with a government agency, consulting firm, medical testing lab, or educational venue. Although flexible, this track will not prepare students for graduate studies in the biological sciences, medicine, pharmacy, dentistry, or veterinary sciences.

BIOLOGY MINOR

Students may choose to minor in Biology for various reasons that broaden and strengthen their preparation and make them more competitive in their chosen fields. Students desiring entry into programs offering medical degrees who major in disciplines other than Biology find that they will need many Biology courses in order to compete and adding a Biology minor serves this purpose. Students in other majors have added the Biology minor in order to supplement their experience and allow them to specialize in a biologically focused area of their major

studies, in such broad areas as education, business, and chemistry.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

Students considering majoring in Biology should meet with the [CNAS academic advisor](#) for advising as early as possible in their college career.

In all three tracks, first-year students begin by taking BI-100/BI-100L Environmental Biology lecture and lab in the fall semester (Aug.–Dec.) followed by BI-157/BI-157L Principles of Biology I lecture and lab in the subsequent fall semester (Jan.–May). In the first semester of the second year, students take BI-158/BI-158L Principles of Biology II lecture and lab along with BI-315/BI-315L Genetics lecture and lab.

Biology majors must have a "C" or better in all courses required for the major and must have a "C" or better in prerequisite coursework for biology courses.

INTEGRATIVE BIOLOGY TRACK (86–88 CREDIT HOURS)

General Education (Recommended Courses)

Tier II: Diversity Foundation:

Creative & Expressive Arts:

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

Required Courses (74-75 credit hours)

Course	Course Title	Credits	Term Offered
BI100	ENVIRONMENTAL BIOLOGY	3	FALL/SPRING/ ALL YEARS
BI100L	ENVIRONMENTAL BIOLOGY LABORATORY	1	FALL/SPRING/ ALL YEARS
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
BI310	EVOLUTION	3	SPRING ONLY/ ALL YEARS
BI315	GENERAL GENETICS	3	FALL ONLY/ ALL YEARS
BI315L	GENERAL GENETICS LABORATORY	1	FALL ONLY/ ALL YEARS
BI320	SCIENTIFIC REPORT WRITING	2	SPRING ONLY/ ALL YEARS
BI321	SCIENTIFIC ARGUMENTS	2	SPRING ONLY/ ALL YEARS
BI412	BIOMETRICS	3	FALL ONLY/ ALL YEARS
BI412L	BIOMETRICS LABORATORY	1	FALL ONLY/ ALL YEARS
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH310B	ORGANIC CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
CH312	LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	SPRING ONLY/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS

Choice of (3 credit hours):

Course	Course Title	Credits	Term Offered
BI392	LABORATORY TEACHING AND ASSISTING	1 - 3	FALL/SPRING/ ALL YEARS

Or:

BI-390 Special Project

BI-398 Internship

BI-498 Internship

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
BI302	PLANT BIOLOGY	3	FALL ONLY/ EVEN YEARS
BI302L	PLANT BIOLOGY LABORATORY	1	FALL ONLY/ EVEN YEARS
BI365	PLANT SYSTEMATICS	3	SPRING ONLY/ EVEN YEARS
BI365L	PLANT SYSTEMATICS LABORATORY	1	SPRING ONLY/ EVEN YEARS

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
BI303	INVERTEBRATE ZOOLOGY	3	SPRING ONLY/ ODD YEARS
BI303L	INVERTEBRATE ZOOLOGY LABORATORY	1	SPRING ONLY/ ODD YEARS
BI333	COMPARATIVE VERTEBRATE ANATOMY	3	FALL ONLY/ ODD YEARS
BI333L	COMPARATIVE VERTEBRATE ANATOMY LABORATORY	1	FALL ONLY/ ODD YEARS
BI475	ADVANCE ANIMAL PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
BI475L	ADVANCED ANIMAL PHYSIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS

Choice of (5-6 credit hours):

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS

BI-100/L, BI-157/L, BI-158/L, and CH-102/L may also fulfill [General Education requirements](#).

May not be double counted as required, elective, or capstone courses.

Track-Specific Elective Courses (8 credit hours)

Elective courses cannot double count as track required courses. Other elective courses not listed here must be upper division science courses and approved by student's advisor and program chair.

Course	Course Title	Credits	Term Offered
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
BI302	PLANT BIOLOGY	3	FALL ONLY/ EVEN YEARS
BI302L	PLANT BIOLOGY LABORATORY	1	FALL ONLY/ EVEN YEARS
BI303	INVERTEBRATE ZOOLOGY	3	SPRING ONLY/ ODD YEARS
BI303L	INVERTEBRATE ZOOLOGY LABORATORY	1	SPRING ONLY/ ODD YEARS
BI323	PLANT PATHOLOGY	3	FALL ONLY/ EVEN YEARS
BI323L	PLANT PATHOLOGY LAB	1	FALL ONLY/ EVEN YEARS
BI333	COMPARATIVE VERTEBRATE ANATOMY	3	FALL ONLY/ ODD YEARS
BI333L	COMPARATIVE VERTEBRATE ANATOMY LABORATORY	1	FALL ONLY/ ODD YEARS
BI350	ETHOLOGY	3	SPRING ONLY/ ALL YEARS
BI350L	ETHOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI365	PLANT SYSTEMATICS	3	SPRING ONLY/ EVEN YEARS
BI365L	PLANT SYSTEMATICS LABORATORY	1	SPRING ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
BI345	GENERAL ENTOMOLOGY	3	FALL ONLY/ ODD YEARS
BI345L	GENERAL ENTOMOLOGY LABORATORY	1	FALL ONLY/ ODD YEARS
BI380	OCEANOGRAPHY	3	FALL ONLY/ ALL YEARS
BI380L	OCEANOGRAPHY LABORATORY	1	FALL ONLY/ ALL YEARS
BI410	ECOLOGY	3	SPRING ONLY/ ALL YEARS
BI410L	ECOLOGY LABORATORY	2	SPRING ONLY/ ALL YEARS
BI416	CELLULAR & MOLECULAR BIOLOGY	3	SPRING ONLY/ ALL YEARS
BI416L	CELLULAR & MOLECULAR BIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI419	BIOCHEMISTRY	3	SPRING ONLY/ ALL YEARS
BI419L	BIOCHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI425	MOLECULAR MEDICINE	3	SPRING ONLY/ ODD YEARS
BI425L	MOLECULAR MEDICINE LABORATORY	2	SPRING ONLY/ ODD YEARS
BI430	SCIENTIFIC PHOTOGRAPHY	3	SPRING ONLY/ EVEN YEARS
BI430L	SCIENTIFIC PHOTOGRAPHY LABORATORY	1	
BI432	PHARMACOLOGY	3	FALL ONLY/ ODD YEARS

Course	Course Title	Credits	Term Offered
BI474	MARINE BOTANY	4	SPRING ONLY/ ODD YEARS
BI475	ADVANCE ANIMAL PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
BI475L	ADVANCED ANIMAL PHYSIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
GE480	SPECIAL TOPICS IN GEOGRAPHY	3	SPRING ONLY/ ALL YEARS

Capstone (4-5 credit hours)

Choice of:

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

Note: Biology capstone cannot double count as Integrative Biology required or elective courses.

BIO-MEDICAL TRACK (90-91 CREDIT HOURS)

General Education (Recommended Courses)

Tier II: Diversity Foundation

Human Sciences:

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

Creative & Expressive Arts:

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

Required Courses (82-83 credit hours)

Course	Course Title	Credits	Term Offered
BI100	ENVIRONMENTAL BIOLOGY	3	FALL/SPRING/ ALL YEARS
BI100L	ENVIRONMENTAL BIOLOGY LABORATORY	1	FALL/SPRING/ ALL YEARS
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
BI310	EVOLUTION	3	SPRING ONLY/ ALL YEARS
BI315	GENERAL GENETICS	3	FALL ONLY/ ALL YEARS
BI315L	GENERAL GENETICS LABORATORY	1	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
BI320	SCIENTIFIC REPORT WRITING	2	SPRING ONLY/ ALL YEARS
BI321	SCIENTIFIC ARGUMENTS	2	SPRING ONLY/ ALL YEARS
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
BI416	CELLULAR & MOLECULAR BIOLOGY	3	SPRING ONLY/ ALL YEARS
BI416L	CELLULAR & MOLECULAR BIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI419	BIOCHEMISTRY	3	SPRING ONLY/ ALL YEARS
BI419L	BIOCHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH310B	ORGANIC CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH311	BASIC LABORATORY	2	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
	TECHNIQUES IN ORGANIC CHEMISTRY		
CH312	LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	SPRING ONLY/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS

Choice of (3 credit hours):

Course	Course Title	Credits	Term Offered
BI392	LABORATORY TEACHING AND ASSISTING	1 - 3	FALL/SPRING/ ALL YEARS

Or:

BI-390 Special Project

BI-398 Internship

BI-498 Internship

Choice of (5-6 credit hours):

Course	Course Title	Credits	Term Offered
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS

BI-100/L, BI-157/L, BI-158/L, and CH-102/L may also fulfill [General Education requirements](#).

Any upper division [Biology \(BI\)](#) course or other [Chemistry \(CH\)](#) or [Health Sciences \(HS\)](#) course approved by the Biology Program chair.

Track-Specific Elective Courses (4 credit hours)

Course	Course Title	Credits	Term Offered
BI302	PLANT BIOLOGY	3	FALL ONLY/ EVEN YEARS
BI302L	PLANT BIOLOGY LABORATORY	1	FALL ONLY/ EVEN YEARS
BI303	INVERTEBRATE ZOOLOGY	3	SPRING ONLY/ ODD YEARS
BI303L	INVERTEBRATE ZOOLOGY LABORATORY	1	SPRING ONLY/ ODD YEARS
BI323	PLANT PATHOLOGY	3	FALL ONLY/ EVEN YEARS
BI323L	PLANT PATHOLOGY LAB	1	FALL ONLY/ EVEN YEARS
BI333	COMPARATIVE VERTEBRATE ANATOMY	3	FALL ONLY/ ODD YEARS
BI333L	COMPARATIVE VERTEBRATE ANATOMY LABORATORY	1	FALL ONLY/ ODD YEARS
BI350	ETHOLOGY	3	SPRING ONLY/ ALL YEARS
BI350L	ETHOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI345	GENERAL ENTOMOLOGY	3	FALL ONLY/ ODD YEARS
BI345L	GENERAL ENTOMOLOGY LABORATORY	1	FALL ONLY/ ODD YEARS
BI365	PLANT SYSTEMATICS	3	SPRING ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
BI365L	PLANT SYSTEMATICS LABORATORY	1	SPRING ONLY/ EVEN YEARS
BI380	OCEANOGRAPHY	3	FALL ONLY/ ALL YEARS
BI380L	OCEANOGRAPHY LABORATORY	1	FALL ONLY/ ALL YEARS
BI410	ECOLOGY	3	SPRING ONLY/ ALL YEARS
BI410L	ECOLOGY LABORATORY	2	SPRING ONLY/ ALL YEARS
BI412	BIOMETRICS	3	FALL ONLY/ ALL YEARS
BI412L	BIOMETRICS LABORATORY	1	FALL ONLY/ ALL YEARS
BI425	MOLECULAR MEDICINE	3	SPRING ONLY/ ODD YEARS
BI425L	MOLECULAR MEDICINE LABORATORY	2	SPRING ONLY/ ODD YEARS
BI430	SCIENTIFIC PHOTOGRAPHY	3	SPRING ONLY/ EVEN YEARS
BI430L	SCIENTIFIC PHOTOGRAPHY LABORATORY	1	
BI432	PHARMACOLOGY	3	FALL ONLY/ ODD YEARS
HS405	EPIDEMIOLOGY	3	FALL/SPRING/ ALL YEARS
HS322	KINESIOLOGY	3	FALL ONLY/ ALL YEARS
CH350	FOUNDATIONS OF PHYSICAL CHEMISTRY	3	FALL ONLY/ EVEN YEARS
CH350L	Foundations of Physical	1	FALL ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
	Chemistry LABORATORY		

Capstone Course (4 credit hours)

Course	Course Title	Credits	Term Offered
BI475	ADVANCE ANIMAL PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
BI475L	ADVANCED ANIMAL PHYSIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS

APPLIED BIOLOGY TRACK (87-89 CREDIT HOURS)

General Education (Recommended Courses)

Tier II: Diversity Foundation

Creative & Expressive Arts:

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

Required Courses (55-56 credit hours)

Course	Course Title	Credits	Term Offered
BI100	ENVIRONMENTAL BIOLOGY	3	FALL/SPRING/ ALL YEARS
BI100L	ENVIRONMENTAL BIOLOGY LABORATORY	1	FALL/SPRING/ ALL YEARS
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
BI310	EVOLUTION	3	SPRING ONLY/ ALL YEARS
BI315	GENERAL GENETICS	3	FALL ONLY/ ALL YEARS
BI315L	GENERAL GENETICS LABORATORY	1	FALL ONLY/ ALL YEARS
BI320	SCIENTIFIC REPORT WRITING	2	SPRING ONLY/ ALL YEARS
BI321	SCIENTIFIC ARGUMENTS	2	SPRING ONLY/ ALL YEARS
BI412	BIOMETRICS	3	FALL ONLY/ ALL YEARS
BI412L	BIOMETRICS LABORATORY	1	FALL ONLY/ ALL YEARS
CH101	INTRODUCTION TO ORGANIC CHEMISTRY	3	FALL/SPRING/ ALL YEARS

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

Choice of (3 credit hours):

Course	Course Title	Credits	Term Offered
BI392	LABORATORY TEACHING AND ASSISTING	1 - 3	FALL/SPRING/ ALL YEARS

Or:

BI-390 Special Project

BI-398 Internship

BI-498 Internship

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
BI302	PLANT BIOLOGY	3	FALL ONLY/ EVEN YEARS
BI302L	PLANT BIOLOGY LABORATORY	1	FALL ONLY/ EVEN YEARS
BI365	PLANT SYSTEMATICS	3	SPRING ONLY/ EVEN YEARS
BI365L	PLANT SYSTEMATICS LABORATORY	1	SPRING ONLY/ EVEN YEARS

Choice of (4 credit hours):

Course	Course Title	Credits	Term Offered
BI303	INVERTEBRATE ZOOLOGY	3	SPRING ONLY/ ODD YEARS
BI303L	INVERTEBRATE ZOOLOGY LABORATORY	1	SPRING ONLY/ ODD YEARS
BI333	COMPARATIVE VERTEBRATE ANATOMY	3	FALL ONLY/ ODD YEARS
BI333L	COMPARATIVE VERTEBRATE ANATOMY LABORATORY	1	FALL ONLY/ ODD YEARS
BI475	ADVANCE ANIMAL PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
BI475L	ADVANCED ANIMAL PHYSIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS

Choice of (5-6 credit hours):

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS

BI-100/L, BI-157/L, BI-158/L, and CH-102/L may also fulfill [General Education requirements](#).

BI-410/L may not be double counted as required, elective, or capstone courses.

STEM Upper-Division Electives (16 credit hours)

Course	Course Title	Credits	Term Offered
BI302	PLANT BIOLOGY	3	FALL ONLY/ EVEN YEARS
BI302L	PLANT BIOLOGY LABORATORY	1	FALL ONLY/ EVEN YEARS
BI323	PLANT PATHOLOGY	3	FALL ONLY/ EVEN YEARS
BI323L	PLANT PATHOLOGY LAB	1	FALL ONLY/ EVEN YEARS
BI333	COMPARATIVE VERTEBRATE ANATOMY	3	FALL ONLY/ ODD YEARS
BI333L	COMPARATIVE VERTEBRATE ANATOMY LABORATORY	1	FALL ONLY/ ODD YEARS
BI350	ETHOLOGY	3	SPRING ONLY/ ALL YEARS
BI350L	ETHOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI380	OCEANOGRAPHY	3	FALL ONLY/ ALL YEARS
BI380L	OCEANOGRAPHY LABORATORY	1	FALL ONLY/ ALL YEARS
BI430	SCIENTIFIC PHOTOGRAPHY	3	SPRING ONLY/ EVEN YEARS
BI430L	SCIENTIFIC PHOTOGRAPHY LABORATORY	1	
BI416	CELLULAR & MOLECULAR BIOLOGY	3	SPRING ONLY/ ALL YEARS
BI416L	CELLULAR & MOLECULAR BIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
BI425	MOLECULAR MEDICINE	3	SPRING ONLY/ ODD YEARS
BI425L	MOLECULAR MEDICINE LABORATORY	2	SPRING ONLY/ ODD YEARS
BI432	PHARMACOLOGY	3	FALL ONLY/ ODD YEARS
BI474	MARINE BOTANY	4	SPRING ONLY/ ODD YEARS
BI475	ADVANCE ANIMAL PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
BI475L	ADVANCED ANIMAL PHYSIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI365	PLANT SYSTEMATICS	3	SPRING ONLY/ EVEN YEARS
BI365L	PLANT SYSTEMATICS LABORATORY	1	SPRING ONLY/ EVEN YEARS
BI303	INVERTEBRATE ZOOLOGY	3	SPRING ONLY/ ODD YEARS
BI303L	INVERTEBRATE ZOOLOGY LABORATORY	1	SPRING ONLY/ ODD YEARS
BI345	GENERAL ENTOMOLOGY	3	FALL ONLY/ ODD YEARS
BI345L	GENERAL ENTOMOLOGY LABORATORY	1	FALL ONLY/ ODD YEARS
BI410	ECOLOGY	3	SPRING ONLY/ ALL YEARS
BI410L	ECOLOGY LABORATORY	2	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
CH310B	ORGANIC CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH312	LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	SPRING ONLY/ ALL YEARS
CH330	QUANTITATIVE ANALYSIS	3	FALL ONLY/ ODD YEARS
CH330L	QUANTITATIVE ANALYSIS LABORATORY	2	FALL ONLY/ ODD YEARS
CH350	FOUNDATIONS OF PHYSICAL CHEMISTRY	3	FALL ONLY/ EVEN YEARS
CH350L	Foundations of Physical Chemistry LABORATORY	1	FALL ONLY/ EVEN YEARS
CH419	BIOCHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH419L	BIOCHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS

Note: Other STEM courses are possible if approved by student's advisor and program chair. Cannot double count courses taken to satisfy Core or Capstone requirements. Students must meet all course prerequisites prior to enrollment.

Career-Building Electives (12 credit hours)

Course	Course Title	Credits	Term Offered
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
MA205	MULTIVARIABLE CALCULUS	4	FALL/SPRING/ ALL YEARS
MA301	DIFFERENTIAL EQUATIONS	3	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS
HS200	HEALTH AND WELLNESS	3	FALL/SPRING/ ALL YEARS
HS216	INTRODUCTION TO PUBLIC HEALTH	3	FALL ONLY/ ALL YEARS
HS405	EPIDEMIOLOGY	3	FALL/SPRING/ ALL YEARS
AL281	PRINCIPLES OF HORTICULTURAL SCIENCE	3	SPRING ONLY/ ALL YEARS
AL281L	PRINCIPLES OF HORTICULTURAL SCIENCE LAB	1	SPRING ONLY/ ALL YEARS
AL300	FOOD PROCESSING TECHNOLOGY	3	FALL ONLY/ ODD YEARS
AL300L	FOOD PROCESSING TECHNOLOGY LAB	1	FALL ONLY/ ODD YEARS

Course	Course Title	Credits	Term Offered
AL443	TECHNOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE	3	SPRING ONLY/ ODD YEARS
AL443L	TECHONOLOGIES FOR SUSTAINABLE TROPICAL AGRICULTURE LABORATORY	1	SPRING ONLY/ ODD YEARS
AL445	FOOD CHEMISTRY	3	SPRING ONLY/ EVEN YEARS
AL445L	FOOD CHEMISTRY LABORATORY	1	SPRING ONLY/ EVEN YEARS
AL484	TROPICAL VEGETABLE PRODUCTION	3	SPRING ONLY/ ODD YEARS
AL484L	TROPICAL VEGETABLE PRODUCTION LAB	1	SPRING ONLY/ ODD YEARS
AL485	TROPICAL FRUITS HORTICULTURE	3	SPRING ONLY/ EVEN YEARS
AL485L	TROPICAL FRUITS HORTICULTURE LABORATORY	1	SPRING ONLY/ EVEN YEARS
AL486	ORNAMENTAL CROP PRODUCTION IN THE TROPICS	3	SPRING ONLY/ ODD YEARS
AL486L	ORNAMENTAL CROP PRODUCTION IN THE PACIFIC LABORATORY	1	SPRING ONLY/ ODD YEARS

Course	Course Title	Credits	Term Offered
AL389	EXTENSION PROGRAMS & PLANNING	3	SPRING ONLY/ ALL YEARS
AL401	COMMUNITY PLANNING	3	AS REQUIRED
BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS
BA200	PRINCIPLES OF FINANCIAL ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA240	MANAGEMENT OF ORGANIZATIONS	3	FALL/SPRING/ ALL YEARS
BA241	HUMAN RESOURCE MANAGEMENT	3	FALL/SPRING/ ALL YEARS
CO226	MEDIA WRITING	3	FALL/SPRING/ ALL YEARS
CO350	PUBLIC SPEAKING	3	SPRING ONLY/ ALL YEARS
CO370	ORGANIZATIONAL COMMUNICATION	3	SPRING ONLY/ ODD YEARS
LW360	ADMINISTRATIVE PROCEDURE	3	FALL/SPRING/ ALL YEARS
PA201	PUBLIC ADMINISTRATION IN GUAM AND IN THE WESTERN PACIFIC	3	FALL/SPRING/ ALL YEARS
PA210	PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS	3	FALL/SPRING/ ALL YEARS
PA215	SUPERVISION IN	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
	GOVERNMENT ORGANIZATIONS		
PA303	GOVERNMENT FINANCE	3	FALL/SPRING/ ALL YEARS
PA304	GOVERNMENT PUBLIC INFORMATION	3	FALL/SPRING/ ALL YEARS
ED110	INTRODUCTION TO TEACHING	3	FALL/SPRING/ ALL YEARS
ED271	TECHNOLOGY APPLICATIONS FOR EDUCATORS	3	FALL/SPRING/ ALL YEARS

Note: Other Career-Building courses are possible if approved by student's advisor and program chair. Cannot double count courses taken to satisfy Core or Capstone requirements. Students must meet all course prerequisites prior to enrollment.

Capstone Course (4-5 credit hours)

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

Cannot double count as Applied Biology Core Courses or STEM/Career Building Electives.

MINOR REQUIREMENTS

BIOLOGY MINOR REQUIREMENTS (33-35 CREDIT HOURS)

Required Courses (25-27 credit hours)

Course	Course Title	Credits	Term Offered
BI100	ENVIRONMENTAL BIOLOGY	3	FALL/SPRING/ ALL YEARS
BI100L	ENVIRONMENTAL BIOLOGY LABORATORY	1	FALL/SPRING/ ALL YEARS
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
BI310	EVOLUTION	3	SPRING ONLY/ ALL YEARS
BI315	GENERAL GENETICS	3	FALL ONLY/ ALL YEARS
BI315L	GENERAL GENETICS LABORATORY	1	FALL ONLY/ ALL YEARS
MA115	INTRODUCTORY COLLEGE ALGEBRA	3	FALL/SPRING/ ALL YEARS

Choice of (3-5 credit hours):

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS

Elective Courses (8 credit hours)

Must meet respective prerequisites to enroll.

Course	Course Title	Credits	Term Offered
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
BI302	PLANT BIOLOGY	3	FALL ONLY/ EVEN YEARS
BI302L	PLANT BIOLOGY LABORATORY	1	FALL ONLY/ EVEN YEARS
BI303	INVERTEBRATE ZOOLOGY	3	SPRING ONLY/ ODD YEARS
BI303L	INVERTEBRATE ZOOLOGY LABORATORY	1	SPRING ONLY/ ODD YEARS
BI320	SCIENTIFIC REPORT WRITING	2	SPRING ONLY/ ALL YEARS
BI321	SCIENTIFIC ARGUMENTS	2	SPRING ONLY/ ALL YEARS
BI323	PLANT PATHOLOGY	3	FALL ONLY/ EVEN YEARS
BI323L	PLANT PATHOLOGY LAB	1	FALL ONLY/ EVEN YEARS
BI333	COMPARATIVE VERTEBRATE ANATOMY	3	FALL ONLY/ ODD YEARS
BI333L	COMPARATIVE VERTEBRATE ANATOMY LABORATORY	1	FALL ONLY/ ODD YEARS
BI345	GENERAL ENTOMOLOGY	3	FALL ONLY/ ODD YEARS
BI345L	GENERAL ENTOMOLOGY LABORATORY	1	FALL ONLY/ ODD YEARS

Course	Course Title	Credits	Term Offered
BI350	ETHOLOGY	3	SPRING ONLY/ ALL YEARS
BI350L	ETHOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI365	PLANT SYSTEMATICS	3	SPRING ONLY/ EVEN YEARS
BI365L	PLANT SYSTEMATICS LABORATORY	1	SPRING ONLY/ EVEN YEARS
BI380	OCEANOGRAPHY	3	FALL ONLY/ ALL YEARS
BI380L	OCEANOGRAPHY LABORATORY	1	FALL ONLY/ ALL YEARS
BI392	LABORATORY TEACHING AND ASSISTING	1 - 3	FALL/SPRING/ ALL YEARS
BI410	ECOLOGY	3	SPRING ONLY/ ALL YEARS
BI410L	ECOLOGY LABORATORY	2	SPRING ONLY/ ALL YEARS
BI412	BIOMETRICS	3	FALL ONLY/ ALL YEARS
BI412L	BIOMETRICS LABORATORY	1	FALL ONLY/ ALL YEARS
BI416	CELLULAR & MOLECULAR BIOLOGY	3	SPRING ONLY/ ALL YEARS
BI416L	CELLULAR & MOLECULAR BIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
BI419	BIOCHEMISTRY	3	SPRING ONLY/ ALL YEARS
BI419L	BIOCHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
BI425	MOLECULAR MEDICINE	3	SPRING ONLY/ ODD YEARS
BI425L	MOLECULAR MEDICINE LABORATORY	2	SPRING ONLY/ ODD YEARS
BI430	SCIENTIFIC PHOTOGRAPHY	3	SPRING ONLY/ EVEN YEARS
BI430L	SCIENTIFIC PHOTOGRAPHY LABORATORY	1	
BI432	PHARMACOLOGY	3	FALL ONLY/ ODD YEARS
BI474	MARINE BOTANY	4	SPRING ONLY/ ODD YEARS
BI475	ADVANCE ANIMAL PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
BI475L	ADVANCED ANIMAL PHYSIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS

Or:

BI-390 Special Project

BI-398 Internship

BI-498 Internship

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PROSPECTUS

The Chemistry major and minor programs are designed to prepare students for:

- 1.graduate work in chemistry;
- 2.admission to medical, dental, pharmacy, and veterinary schools;
- 3.employment in laboratory-oriented positions in government and industry; and
- 4.teaching secondary school chemistry, provided teaching certification requirements of the School of Education are fulfilled.

The Chemistry Program also provides course offerings in chemistry required by major programs in agriculture, biology, engineering, nursing, and other health-related sciences.

The small class sizes allow students to get close supervision and more hands-on training. Students can gain unique research experience through internship opportunities at UOG's Water & Environmental Research Institute, Marine Laboratory, and Crime Lab. The Chemistry Program curriculum is also closely aligned to the American Chemical Society standards.

LEARNING OUTCOMES

1. Demonstrate the knowledge of fundamental concepts of chemistry and its relevance to the scientific method and other fields in science with the following objectives:

- a. Students should be able to explain the scientific method and relate its application to chemical discoveries.
- b. Students will be able to define the states and structure of matter and relate these to physical and chemical properties.
- c. Students should be able to define chemistry and state its relevance to other sciences and everyday experience.
- d. Students should be able to apply the fundamental concepts of elements and compounds and their reactivity to solve chemically based problems.

2. Demonstrate the skills to make observations, conduct experimentation, collect and collate data, analyze and interpret data in a safe chemical environment with the following objectives:

- a. Students will be able to independently perform accurate quantitative measurements, interpret experimental results, perform calculations on these results and draw a reasonable, accurate conclusion.
- b. Students will synthesize, isolate, purify, and characterize a series of compounds using modern methods.
- c. Students will demonstrate knowledge of proper use of modern instrumental techniques.
- d. Students will be able to design an experimental procedure.
- e. Students will observe safe practices in the laboratory and will know how to respond in an emergency. Students will learn to gather hazardous materials information and will recognize and respond properly to potential hazards of handling chemicals and chemical waste.

3. Demonstrate the ability to clearly articulate, formulate, and communicate scientific information using

computer, written and oral communication skills with the following:

- a. Students will communicate critical analysis of scientific information through written reports and laboratory notebooks.
- b. Students will effectively communicate scientific information through oral presentations.
- c. Students will use computer technology to gather, process, analyze, and present chemical data.
- d. Students will use chemical literature and computer resources to gather research information.

4. Demonstrate critical thinking, problem-solving skills, and the ability to use chemical knowledge and mathematical skills to identify, evaluate, analyze, synthesize, and integrate data and abstract ideas in solving problems with the following objectives:

- a. Students should be able to describe the structure and composition of matter.
- b. Students should be able to solve qualitative and quantitative problems.
- c. Students should be able to apply theoretical and mechanistic principles to the study of chemical systems using quantitative and qualitative approaches.
- d. Students should be able to explain the role of energy in determining the structure and reactivity of matter.
- e. Students should be able to apply theoretical knowledge and chemical information to industry and everyday experience.

5. Demonstrate the knowledge and skills in advanced instrumentation, applications, interpretation, and experimental design to address scientific queries in chemistry, industry, the environment, health, and related fields with the following objectives:

- a. Students should be able to use modern analytical instrumentations.
- b. Students should be able to interpret data and relate these to chemical structure and properties.
- c. Students should be able to relate the application of instrumentation to industries.
- d. Students should be able to develop an appreciation of the wide range of instrumental methods, their applications, and limitations.

6. Demonstrate a sense of exploration and research approach that enables students to pursue lifelong learning in chemistry with the following objectives:
 - a. Students will use chemical literature and computer resources to gather research information.
 - b. Students should be able to critically evaluate scientific information.
 - c. Students should be able to develop research project and design experimental approach.
7. Demonstrate interaction skills and teamwork with the following objectives:
 - a. Students should be able to work cooperatively in problem solving exercise.
 - b. Students should be able to exercise leadership skills in teamwork.
8. Students should demonstrate adequate interpersonal communication skills.

TRACKS

CHEMISTRY TRACKS

The Chemistry Program offers four tracks under two degrees:

Bachelor of Science in Chemistry

- **Chemistry:** This track is tailored for students planning to pursue graduate studies in chemistry, physics, and chemical engineering. This track would also be ideal for those who seek employment in industry upon graduation.
- **Chemistry Pre-Pharmacy:** This track is primarily tailored for those planning to pursue a pharmacy degree.
- **Chemistry-Biology Dual Degree:** This track is tailored for those who are planning to pursue medicine and graduate studies in biomedical sciences.
- **Chemistry Forensic:** The forensic track is aimed at those who wish to pursue a career in a forensic laboratory. Graduates can also pursue graduate school or pursue a career as a laboratory scientist, environmental scientist, or teacher.

CHEMISTRY MINOR

Students planning to pursue graduate studies in biological and agricultural sciences can benefit from a minor in Chemistry. Students who plan to teach science at the high school level can also benefit from a minor in Chemistry.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

It is very important for new and transfer students who elect Chemistry as a major to contact the [Chemistry major program advisor](#) for advisement immediately after declaring this major.

It is recommended that Chemistry majors planning to pursue graduate work in chemistry have adequate experience in research, and the Chemistry Program has courses to help meet this requirement. Having a clear goal of a particular area of interest is also important, and discussions with your advisor and other Chemistry faculty are essential in this process. It is important to focus on identifying and getting into a graduate program that aligns with your career goals and need. Courses in applied mathematics and computer science and as many upper division courses in chemistry and physics as the student's schedule will permit are also highly recommended.

CHEMISTRY TRACK (68-69 CREDIT HOURS)

Required Courses (63-64 credit hours)

Course	Course Title	Credits	Term Offered
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH310B	ORGANIC CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
CH312	LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	SPRING ONLY/ ALL YEARS
CH330	QUANTITATIVE ANALYSIS	3	FALL ONLY/ ODD YEARS
CH330L	QUANTITATIVE ANALYSIS LABORATORY	2	FALL ONLY/ ODD YEARS
CH410	INSTRUMENT METHODS OF ANALYSIS	3	SPRING ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
CH410L	INSTRUMENT MTHDS OF ANALYS LAB	2	SPRING ONLY/ EVEN YEARS
CH450A	PHYSICAL CHEMISTRY	4	FALL ONLY/ EVEN YEARS
CH450B	PHYSICAL CHEMISTRY	4	SPRING ONLY/ ODD YEARS
CH451	PHYSICAL CHEMISTRY I LABORATORY	2	SPRING ONLY/ ODD YEARS
CH491	CHEMISTRY SEMINAR	1 - 2	FALL/SPRING/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
MA205	MULTIVARIABLE CALCULUS	4	FALL/SPRING/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS

Elective Courses (5 credit hours)

Any upper division [Chemistry \(CH\) courses](#) or program-approved courses.

CHEMISTRY PRE-PHARMACY TRACK (86-88 CREDIT HOURS)

Required Courses (82-84 credit hours)

Course	Course Title	Credits	Term Offered
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH310B	ORGANIC CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
CH312	LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	SPRING ONLY/ ALL YEARS
CH330	QUANTITATIVE ANALYSIS	3	FALL ONLY/ ODD YEARS
CH330L	QUANTITATIVE ANALYSIS LABORATORY	2	FALL ONLY/ ODD YEARS
CH350	FOUNDATIONS OF PHYSICAL CHEMISTRY	3	FALL ONLY/ EVEN YEARS
CH350L	Foundations of Physical	1	FALL ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
	Chemistry LABORATORY		
CH419	BIOCHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH419L	BIOCHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH491	CHEMISTRY SEMINAR	1 - 2	FALL/SPRING/ ALL YEARS
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
BI315	GENERAL GENETICS	3	FALL ONLY/ ALL YEARS
BI315L	GENERAL GENETICS LABORATORY	1	FALL ONLY/ ALL YEARS
BI416	CELLULAR & MOLECULAR BIOLOGY	3	SPRING ONLY/ ALL YEARS
BI416L	CELLULAR & MOLECULAR BIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS
NU207B	PHARMACOLOGY IN NURSING	2	SPRING ONLY/ ALL YEARS

Choice of (5-6 credit hours):

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS

Elective Courses (4 credit hours)

Any upper division [Chemistry \(CH\)](#) or [Biology \(BI\)](#) courses.

General Education (Recommended Courses)

Course	Course Title	Credits	Term Offered
CT101	CRITICAL THINKING	3	FALL/SPRING/ ALL YEARS
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
SO101	INTRODUCTION TO SOCIOLOGY	3	FALL/SPRING/ ALL YEARS
BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS

CHEMISTRY FORENSIC TRACK (87-88 CREDIT HOURS)

Required Courses (84-85 credit hours)

Course	Course Title	Credits	Term Offered
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH310B	ORGANIC CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
CH312	LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	SPRING ONLY/ ALL YEARS
CH330	QUANTITATIVE ANALYSIS	3	FALL ONLY/ ODD YEARS
CH330L	QUANTITATIVE ANALYSIS LABORATORY	2	FALL ONLY/ ODD YEARS
CH350	FOUNDATIONS OF PHYSICAL CHEMISTRY	3	FALL ONLY/ EVEN YEARS
CH350L	Foundations of Physical	1	FALL ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
	Chemistry LABORATORY		
CH410	INSTRUMENT METHODS OF ANALYSIS	3	SPRING ONLY/ EVEN YEARS
CH410L	INSTRUMENT MTHDS OF ANALYS LAB	2	SPRING ONLY/ EVEN YEARS
CH413	FORENSIC CHEMISTRY	3	SPRING ONLY/ EVEN YEARS
CH413L	FORENSIC CHEMISTRY LABORATORY	1	
CH419	BIOCHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH419L	BIOCHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH491	CHEMISTRY SEMINAR	1 - 2	FALL/SPRING/ ALL YEARS
CH498	CHEMISTRY INTERNSHIP	1 - 3	
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
BI315	GENERAL GENETICS	3	FALL ONLY/ ALL YEARS
BI315L	GENERAL GENETICS LABORATORY	1	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS
LW101	INTRODUCTION TO CRIMINAL JUSTICE	3	FALL/SPRING/ ALL YEARS
LW202	TRIAL AND EVIDENCE	3	FALL/SPRING/ ALL YEARS
LW306	CRIMINAL LAW	3	FALL/SPRING/ ALL YEARS

Elective Courses (3 credit hours)

Upper division elective in Chemistry or Biology courses

CHEMISTRY/BIOLOGY DUAL DEGREE TRACK (93-94 CREDIT HOURS)

Required Courses (84-85 credit hours)

Course	Course Title	Credits	Term Offered
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH310B	ORGANIC CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
CH312	LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	SPRING ONLY/ ALL YEARS
CH330	QUANTITATIVE ANALYSIS	3	FALL ONLY/ ODD YEARS
CH330L	QUANTITATIVE ANALYSIS LABORATORY	2	FALL ONLY/ ODD YEARS
CH350	FOUNDATIONS OF PHYSICAL CHEMISTRY	3	FALL ONLY/ EVEN YEARS

Course	Course Title	Credits	Term Offered
CH350L	Foundations of Physical Chemistry LABORATORY	1	FALL ONLY/ EVEN YEARS
CH410	INSTRUMENT METHODS OF ANALYSIS	3	SPRING ONLY/ EVEN YEARS
CH410L	INSTRUMENT MTHDS OF ANALYS LAB	2	SPRING ONLY/ EVEN YEARS
CH419	BIOCHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH419L	BIOCHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH491	CHEMISTRY SEMINAR	1 - 2	FALL/SPRING/ ALL YEARS
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
BI310	EVOLUTION	3	SPRING ONLY/ ALL YEARS
BI315	GENERAL GENETICS	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
BI315L	GENERAL GENETICS LABORATORY	1	FALL ONLY/ ALL YEARS
BI410	ECOLOGY	3	SPRING ONLY/ ALL YEARS
BI410L	ECOLOGY LABORATORY	2	SPRING ONLY/ ALL YEARS
BI412	BIOMETRICS	3	FALL ONLY/ ALL YEARS
BI412L	BIOMETRICS LABORATORY	1	FALL ONLY/ ALL YEARS
BI416	CELLULAR & MOLECULAR BIOLOGY	3	SPRING ONLY/ ALL YEARS
BI416L	CELLULAR & MOLECULAR BIOLOGY LABORATORY	1	SPRING ONLY/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS

Elective Courses (9 credit hours)

Five credit hours of upper division [Chemistry \(CH\)](#) courses and any four credit hours of upper division [Biology \(BI\)](#) courses.

MINOR REQUIREMENTS

CHEMISTRY MINOR (33-35 CREDIT HOURS)

Required Courses (29-31 credit hours)

Course	Course Title	Credits	Term Offered
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
CH310A	ORGANIC CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH310B	ORGANIC CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH311	BASIC LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	FALL ONLY/ ALL YEARS
CH312	LABORATORY TECHNIQUES IN ORGANIC CHEMISTRY	2	SPRING ONLY/ ALL YEARS
CH330	QUANTITATIVE ANALYSIS	3	FALL ONLY/ ODD YEARS
CH330L	QUANTITATIVE ANALYSIS LABORATORY	2	FALL ONLY/ ODD YEARS
CH491	CHEMISTRY SEMINAR	1 - 2	FALL/SPRING/ ALL YEARS

Choice of (5-6 credit hours):

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS

Elective Courses (4 credit hours)

Any upper division [Chemistry \(CH\)](#) course(s).

FACULTY

Program Chair

Tedros Bezabeh

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COMPUTER SCIENCE PROGRAM

PROSPECTUS

The Bachelor of Science in Computer Science provides students with the educational background necessary to pursue professional careers in the wide variety of positions in which computer science is required or to continue their education toward advanced degrees in computer science or related area.

Students may obtain a Bachelor of Science in Computer Science through one of the following paths:

Chemistry Faculty

John F.K. Limtiaco

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Jin Park

Assistant Professor of Chemistry
College of Natural & Applied Sciences
jinp@triton.uog.edu

Maika V. Vuki

Interim Associate Dean / Professor of Chemistry
College of Natural & Applied Sciences
(671) 735-2006
vukim@triton.uog.edu

Bulan Wu

Associate Professor of Chemistry
College of Natural & Applied Sciences
(671) 735-2135
wubulan@triton.uog.edu

Physics Faculty

Joo-Chul (J.C.) Yoon

Assistant Professor of Physics
College of Natural & Applied Sciences
(671) 735-2793
jcyoon@triton.uog.edu

1) Complete the two-year Associate of Science in Computer Science - UOG Track degree at Guam Community College followed by two years in the Computer Science program at UOG or

2) Complete the full four-year Computer Science program at UOG, starting as a pre-Computer Science major until all general education and prerequisite courses are completed.

Note: *Computer Science majors under previous Catalog years who remain continuously enrolled have until May 2029 to complete their program requirements and should*

seek advisement from the CNAS Dean's Office to ensure they are taking all remaining requirements to complete the program. For more information, contact Katrina Quinata at (671) 735-0317 or Interim Associate Dean Kate Moots at (671) 735-2006.

PROGRAM EDUCATIONAL OBJECTIVES

Within a few years of graduation, graduates of the Computer Science program are expected to:

1. Successfully apply their problem-solving skills to advance software development in a variety of domains.
2. Successfully apply technical knowledge to innovate and bring forth transformational change for metropolitan, regional, and global well-being.
3. Demonstrate responsible leadership in the development of software/computing technologies to solve real-world problems in diverse communities.
4. Demonstrate lifelong learning and professional growth via advanced study, career advancement, or social contributions.

LEARNING OUTCOMES

The Computer Science program enables students to achieve the following outcomes by the time of graduation:

1. Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.

5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

All students intending to declare Computer Science as their major must have a cumulative GPA of at least 2.5 prior to entering the program. In addition, all students intending to declare a Computer Science major will be required to take CS280 Programming Lab Practicum in the summer prior to starting Year 3. This admission requirement may be waived if a student passes the Exam in Programming Proficiency. Once admitted into the program, new students should see the Division of Mathematics & Computer Science administrative assistant.

Computer Science majors must receive a "C" or better and maintain a 2.5 GPA for all courses required of this major.

The required courses, electives, and suggested General Education courses are detailed below.

PATHWAY: ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE UOG TRACK FROM GCC (15-16 CREDIT HOURS)

Students who complete their Associate of Science in Computer Science - UOG Track at Guam Community College as their first two years of the Computer Science program will have met their General Education requirements for graduation from UOG as well as their basic programming and computer networking coursework.

Students should also try to complete MA161A/B College Algebra & Trigonometry OR MA165 Precalculus while at GCC. Otherwise, it is recommended to take these courses during the summer prior to entering UOG for Year 3 of the program as the prerequisite for MA203 Calculus I.

Required Courses (11-12 credit hours)

If not completed at GCC

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS
CS271	DISCRETE STRUCTURES	3	FALL ONLY/ ALL YEARS
BA230	DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION	3	FALL ONLY/ ODD YEARS

Required Admission Courses (0-3 credit hours)

Course	Course Title	Credits	Term Offered
CS280	PROGRAMMING PRACTICUM	4	FALL ONLY/ ALL YEARS

Proposed UOG Curriculum Guide for GCC Transfers (64 credit hours)

The recommended sequencing of course for students transferring from GCC is outlined below:

BRIDGE PROGRAM (Summer)

Choose one of the following:

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS

OR

Course	Course Title	Credits	Term Offered
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS

Take CS-280 if you failed in Examination in Programming Proficiency

Course	Course Title	Credits	Term Offered
CS280	PROGRAMMING PRACTICUM	4	FALL ONLY/ ALL YEARS

JUNIOR YEAR (First Year at UOG)

Fañuchånan (Aug.-Dec.) (16 credit hours)

Course	Course Title	Credits	Term Offered
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
CS271	DISCRETE STRUCTURES	3	FALL ONLY/ ALL YEARS
CS373	DATA STRUCTURES & ALGORITHMS	4	SPRING ONLY/ ALL YEARS

Fañomnåkan (Jan.-May) (17 credit hours)

Course	Course Title	Credits	Term Offered
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
CS375	COMPUTER ORGANIZATION AND ARCHITECTURE	3	SPRING ONLY/ ALL YEARS
CS377	DATABASE DESIGN AND IMPLEMENTATION	3	FALL ONLY/ ALL YEARS

and CS-XXX Elective 1

SENIOR YEAR (Second Year at UOG)

Fañuchånan (Aug.-Dec.) (17 credit hours)

Course	Course Title	Credits	Term Offered
CS383	ORGANIZATION OF PROGRAMMING LANGUAGES	3	FALL ONLY/ ALL YEARS
CS385	INTRODUCTION TO OPERATING SYSTEM	3	FALL ONLY/ ALL YEARS
CS477	SOFTWARE ENGINEERING	3	FALL ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS

and CS-XXX Elective 2

Fañomnåkan (Jan.-May) (14 credit hours)

Course	Course Title	Credits	Term Offered
CS485	DATA COMMUNICATIONS AND NETWORKING	3	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS

and CS-XXX Elective 3

PATHWAY: PRE-COMPUTER SCIENCE AT UOG (63-64 CREDIT HOURS)

Students who wish to begin the Computer Science program at UOG as Pre-Computer Science majors will need to pass the following courses, in addition to the following General Education requirements: MA161A/B College Algebra & Trigonometry or MA165 Precalculus; CS201 Programming I; CS202 Programming II; CS271 Discrete Structures; BA230 Data Processing & Data Administration with Mac Application.

Required Courses (19-20 credit hours)

Course	Course Title	Credits	Term Offered
CS201	PROGRAMMING I	4	FALL/SPRING/ ALL YEARS
CS202	PROGRAMMING II	4	FALL/SPRING/ ALL YEARS
CS271	DISCRETE STRUCTURES	3	FALL ONLY/ ALL YEARS
BA230	DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION	3	FALL ONLY/ ODD YEARS

Choose one of the following:

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS

OR

Course	Course Title	Credits	Term Offered
MA165	PRECALCULUS	5	FALL/SPRING/ ALL YEARS

General Education Courses (41 credit hours)

See CNAS Academic Adviser Ms. Katrina Quinata (quinatak@triton.uog.edu).

Required Admission Courses (0-3 credit hours)

Course	Course Title	Credits	Term Offered
CS280	PROGRAMMING PRACTICUM	4	FALL ONLY/ ALL YEARS

COMPUTER SCIENCE (63 CREDIT HOURS)

Note: These course are required for both Pathways.

Required Courses (52 credit hours)

Course	Course Title	Credits	Term Offered
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS
CS373	DATA STRUCTURES & ALGORITHMS	4	SPRING ONLY/ ALL YEARS
CS375	COMPUTER ORGANIZATION AND ARCHITECTURE	3	SPRING ONLY/ ALL YEARS
CS377	DATABASE DESIGN AND IMPLEMENTATION	3	FALL ONLY/ ALL YEARS
CS383	ORGANIZATION OF PROGRAMMING LANGUAGES	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
CS385	INTRODUCTION TO OPERATING SYSTEM	3	FALL ONLY/ ALL YEARS
CS477	SOFTWARE ENGINEERING	3	FALL ONLY/ ALL YEARS
CS485	DATA COMMUNICATIONS AND NETWORKING	3	FALL ONLY/ ALL YEARS

Elective Courses (8 credit hours)

Choose electives from the following:

Course	Course Title	Credits	Term Offered
CS420	COMPUTER & NETWORK SECURITY	3	FALL ONLY/ ALL YEARS
CS431	ADVANCED TOPICS IN COMPUTING	3	FALL ONLY/ ALL YEARS
CS498	COMPUTER SCIENCE INTERNSHIP	4	SPRING ONLY/ ALL YEARS
MA341	LINEAR ALGEBRA	3	FALL/SPRING/ ALL YEARS
MA375	NUMERICAL METHODS AND SOFTWARE	3	SPRING ONLY/ ODD YEARS
BA330	INFORMATION TECHNOLOGY AND NETWORKS FOR BUSINESS	3	FALL/SPRING/ ALL YEARS
BA335	CYBERSECURITY AND CLOUD SERVICE	3	FALL/SPRING/ ALL YEARS

Required Admission Courses (0-3 credit hours)

Course	Course Title	Credits	Term Offered
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CS280	PROGRAMMING PRACTICUM	4	FALL ONLY/ ALL YEARS
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MINOR REQUIREMENTS (41 CREDIT HOURS)

The Computer Science minor program is intended to provide students majoring in other disciplines, especially those in the sciences, with a broad exposure to computer science. The minor will benefit both graduate school-bound students and students headed for an information technology intensive workplace.

Required Courses (32 credit hours)

Course	Course Title	Credits	Term Offered
CS200	COMPUTER APPLICATIONS	3	FALL/SPRING/ ALL YEARS
CS201	PROGRAMMING I	4	FALL/SPRING/ ALL YEARS
CS202	PROGRAMMING II	4	FALL/SPRING/ ALL YEARS
CS303	DATA STRUCTURES AND ALGORITHM ANALYSIS	3	FALL/SPRING/ ALL YEARS
CS315	INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS	3	SPRING ONLY/ ALL YEARS
CS360	INTRODUCTION TO OPERATING SYSTEMS	3	FALL ONLY/ ALL YEARS
CS403	DATA COMMUNICATION & COMPUTER NETWORKS	4	SPRING ONLY/ ALL YEARS
CS492	PRACTICUM IN COMPUTER SCIENCE	3	FALL/SPRING/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS

Elective Courses (9 credit hours)

Select nine credit hours from the following courses:

Course	Course Title	Credits	Term Offered
CS305	ASSEMBLY LANGUAGE AND COMPUTER ORGANIZATION	3	FALL ONLY/ ALL YEARS
CS365	COMPUTER ARCHITECTURE	3	SPRING ONLY/ ALL YEARS
CS380	ORG OF PROGRAMMING LANGUAGES	3	FALL ONLY/ ALL YEARS
CS431	ADVANCED TOPICS IN COMPUTING	3	FALL ONLY/ ALL YEARS
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
MA341	LINEAR ALGEBRA	3	FALL/SPRING/ ALL YEARS
MA351	DISCRETE STRUCTURES	3	SPRING ONLY/ ALL YEARS
MA385	APPLIED STATISTICS	3	FALL/SPRING/ ALL YEARS
MA411	INTRODUCTION TO ABSTRACT ALGEBRA I	3	FALL ONLY/ ALL YEARS
MA451	INTRODUCTION TO PROBABILITY THEORY	3	FALL ONLY/ EVEN YEARS
MA460	NUMERICAL LINEAR ALGEBRA	3	AS REQUIRED
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS

Note: MA-151 fulfills the General Education requirements.

FACULTY

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MATHEMATICS PROGRAM

PROSPECTUS

The Mathematics major and minor programs are designed to:

1. Prepare secondary school mathematics teachers;
2. Prepare students for other employment requiring the use of mathematics; and
3. Provide an understanding of the fundamental quantitative considerations, symbolized mathematically, which underlie our mechanized society.

Additional requirements for a Mathematics major leading to a general secondary teaching credential are listed in the [Secondary Education](#) program. A student must declare a double major in Mathematics and Secondary Education for a secondary teaching degree.

5. Show maturity in mathematical knowledge and thinking that prepares and encourages students to pursue graduate studies in mathematics or in related fields.
6. Demonstrate an appreciation of and enthusiasm for inquiry, learning and creativity in mathematical sciences, a sense of exploration that enables them to pursue lifelong learning and up-to-date professional expertise in their careers through various areas of jobs, including governmental, business or industrial jobs in mathematics, related sciences, education or technology.

PROGRAM LEARNING OUTCOMES

Students completing the Mathematics Program at UOG will:

1. Demonstrate critical thinking, problem-solving skills and ability to use mathematical methods by identifying, evaluating, classifying, analyzing, synthesizing data and abstract ideas in various contexts and situations.
2. Exhibit a sound conceptual understanding of the nature of mathematics, and demonstrate advanced mathematical skills in mathematical analysis, modern algebra and other mathematical discipline(s).
3. Argue and reason using mathematics, read, create and write down logically correct mathematical proofs, use exact mathematical language and communicate mathematics efficiently orally, in writing and using information technology tools.
4. Apply abstract thinking, mathematical methods, models and current practices in the sciences, including state-of-the-art mathematical software, to solve problems in theoretical mathematics or in a diverse area of mathematical applications.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS (59 CREDIT HOURS)

Mathematics majors must complete studies with a cumulative GPA of 2.3 in the courses specified as required courses for the major.

Required Courses (47 credit hours)

Course	Course Title	Credits	Term Offered
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
MA205	MULTIVARIABLE CALCULUS	4	FALL/SPRING/ ALL YEARS
MA302	FOUNDATIONS OF HIGHER MATHEMATICS	3	SPRING ONLY/ ALL YEARS
MA341	LINEAR ALGEBRA	3	FALL/SPRING/ ALL YEARS
MA411	INTRODUCTION TO ABSTRACT ALGEBRA I	3	FALL ONLY/ ALL YEARS
MA412	INTRODUCTION TO ALGEBRA II	3	SPRING ONLY/ ALL YEARS
MA421	INTRODUCTION TO ANALYSIS I	3	FALL ONLY/ ALL YEARS
MA422	INTRODUCTION TO ANALYSIS II	3	SPRING ONLY/ ALL YEARS
MA301	DIFFERENTIAL EQUATIONS	3	SPRING ONLY/ ALL YEARS

Choose one of the following:

Course	Course Title	Credits	Term Offered
CS201	PROGRAMMING I	4	FALL/SPRING/ ALL YEARS
CS202	PROGRAMMING II	4	FALL/SPRING/ ALL YEARS

Electives (12 credit hours)

A minimum of 12 credit hours of upper division **Mathematics (MA)** courses in addition to those already required.

MINOR REQUIREMENTS (29 CREDIT HOURS)

Required Courses (17 credit hours)

Course	Course Title	Credits	Term Offered
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
MA205	MULTIVARIABLE CALCULUS	4	FALL/SPRING/ ALL YEARS
MA302	FOUNDATIONS OF HIGHER MATHEMATICS	3	SPRING ONLY/ ALL YEARS

Elective Courses (12 credit hours)

A minimum of 6 credit hours of upper division **Mathematics (MA)** courses in addition to:

Course	Course Title	Credits	Term Offered
MA302	FOUNDATIONS OF HIGHER MATHEMATICS	3	SPRING ONLY/ ALL YEARS

FACULTY

DIVISION OF MATHEMATICS & COMPUTER SCIENCE CHAIR

Leslie J. Camacho Aquino

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MILITARY SCIENCE PROGRAM

PROSPECTUS

The University of Guam's Senior Reserve Officers' Training Corps (ROTC) program's mission is to commission the future officer leadership of the U.S. Army. Army ROTC is an educational program designed to provide the college student an opportunity to earn an Army commission as a second lieutenant while completing the University requirements for a bachelor's degree. The program provides leadership training that will develop the skills and attitudes vital to the professional Army officer. Upon successful completion of the program and graduation from the University, SROTC cadets are commissioned as second lieutenants and enter either the active Army, Army Reserve, or Army National Guard component.

A minor in Military Science prepares students enrolled in the Army ROTC program for various government and civilian career paths. Our program promotes individual fitness as well as teamwork and provides numerous leadership learning opportunities. Practical exercises, leadership vignettes, and hands-on military-style training complement the academic study of warfare and diplomacy. The coursework emphasizes leadership, the Army's heritage, dynamic problem solving, decision-making skills, and effective communication techniques characterized within the complexities of modern conflicts. The Military Science minor is designed for students who are interested in serving as officers in the U.S. Army.

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FINANCIAL ASSISTANCE

In addition to financial aid available at UOG, the Army ROTC program has two-, three-, and four-year scholarships available on a competitive basis for qualified applicants. A scholarship board is conducted annually in March for the following academic year. Recipients of campus scholarships are eligible to receive tuition, lab fees, and book expenses or room and board, depending on the scholarship awarded and what benefits the student elects. Contact the Department of Military Science at Dorm 1, second floor, for more information on the program and scholarship opportunities. More information about Army ROTC can be found at <https://www.army.mil/rotc> and <https://www.goarmy.com/rotc>.

TRACKS

MILITARY SCIENCE MINOR

Four-Year Program

The four-year program is divided into basic (100–200 level) and advanced (300–400) courses. There is no obligation incurred by the student while taking the basic-level courses unless the student chooses to commit by signing a contract after meeting the minimum requirements, including passing a fitness test and a Department of Defense Medical Examination Board exam and being academically aligned to graduate in four years.

Two-Year Program

A student may enter Army ROTC advanced courses during his or her junior year or as a graduate student by having completed a basic course equivalent and meeting the minimal requirements, including passing a fitness test and a Department of Defense Medical Examination Board exam and being academically aligned to graduate in two years.

DEGREE REQUIREMENTS

MILITARY SCIENCE MINOR REQUIREMENTS (29 CREDIT HOURS)

Eligibility

Any full-time student may take a lower-level Military Science course at no cost to the student registering in the same manner as any other undergraduate or graduate course. However, to qualify for enrollment as a ROTC cadet in the program leading to a commission, a student must meet the following requirements:

- Be a U.S. citizen prior to commissioning.
- Be at least 17 years of age with consent at time of contracting and no more than 35 years of age at time of commissioning.
- Be a full-time student at UOG, Guam Community College, or a combination of the two.
- Not be convicted of felony.
- Be approved by the Professor of Military Science.

FOUR-YEAR PROGRAM (FOR FRESHMEN)

Required Courses (26 credit hours)

Course	Course Title	Credits	Term Offered
MSL101	INTRODUCTION TO THE ARMY AND CRITICAL THINKING	2	FALL ONLY/ ALL YEARS
MSL102	FOUNDATIONS OF AGILE AND ADAPTIVE LEADERSHIP	2	SPRING ONLY/ ALL YEARS
MSL201	LEADERSHIP AND DECISION MAKING	2	FALL ONLY/ ALL YEARS
MSL202	ARMY DOCTRINE AND TEAM DEVELOPMENT	2	SPRING ONLY/ ALL YEARS
MSL301	TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS	3	FALL ONLY/ ALL YEARS
MSL302	APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS	3	SPRING ONLY/ ALL YEARS
MSL392	CADET LEADERSHIP COURSE	6	SUMMER/ ALL YEARS
MSL401	THE ARMY OFFICER	3	FALL ONLY/ ALL YEARS
MSL402	COMPANY GRADE LEADERSHIP	3	SPRING ONLY/ ALL YEARS

Elective Courses (3 credit hours)

Choice of:

Course	Course Title	Credits	Term Offered
HI306	MODERN AMERICAN MILITARY HISTORY	3	SPRING ONLY/ ALL YEARS

OR Any 300- or 400-level History course approved by the Professor of Military Science prior to taking the alternative course.

TWO-YEAR PROGRAM (FOR JUNIORS AND GRADUATE STUDENTS)

Students may pursue a minor using the below track if either of the following applies:

- Undergraduate students who have earned or will earn 60 credit hours toward their degree by the conclusion of the current Fānomñakan (Jan.–May) semester, or graduate students who have been accepted into a two-year graduate program beginning in the Fānuchanan (Aug.–Dec.) semester. In addition, students must have completed MSL-292, a U.S. Army Cadet Command–sponsored course, in lieu of academic content of MSL-101, MSL-102, MSL-201, and MSL-202.
- Undergraduate students who have transferred into UOG as juniors or graduate students who have been accepted into a two-year graduate program beginning in the Fānuchanan (Aug.–Dec.) semester. In addition, student veterans must have served honorably and have submitted an official Joint Service Transcript to the Office of Admissions & Records for transfer credit. Prior military service is considered an academic substitution for the content of MSL-101, MSL-102, MSL-201, and MSL-202 but is not considered a substitution for academic credit hours toward a Military Science Minor.

Required Courses (21 credit hours)

All students in the two-year program will complete the following:

Course	Course Title	Credits	Term Offered
MSL301	TRAINING MANAGEMENT AND THE WAR-FIGHTING FUNCTIONS	3	FALL ONLY/ ALL YEARS
MSL302	APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS	3	SPRING ONLY/ ALL YEARS
MSL392	CADET LEADERSHIP COURSE	6	SUMMER/ ALL YEARS
MSL401	THE ARMY OFFICER	3	FALL ONLY/ ALL YEARS
MSL402	COMPANY GRADE LEADERSHIP	3	SPRING ONLY/ ALL YEARS

Choice of:

Course	Course Title	Credits	Term Offered
HI306	MODERN AMERICAN MILITARY HISTORY	3	SPRING ONLY/ ALL YEARS

OR Any 300- or 400-level History course approved by the Professor of Military Science prior to taking the alternative course.

Elective Courses (8 credit hours)

To complete their minor requirements, these students will also earn an additional eight credit hours in MSL electives.

FACULTY

Division Chair

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PRE-PROFESSIONAL PROGRAMS

OVERVIEW

PRE-PROFESSIONAL PREPARATION

The University of Guam offers all courses that are required to attend post-graduate medical, optometry, dental, veterinary, and pharmacy schools, and these courses are as rigorous as courses in other accredited institutions. However, the University of Guam does not offer a "pre-medical major," etc. because most medical, optometry, dental, veterinary, and pharmacy schools prefer to consider candidates who have completed a subject area major. Therefore, those who plan to continue their studies in one of these areas should choose a subject area major. In addition, they should schedule:

- mathematics through Calculus
- one year of college or university physics
- one year of general biology, and
- two years of chemistry (through organic chemistry).

Courses such as quantitative analysis, biochemistry, cell physiology, genetics, and comparative anatomy are often recommended if scheduling permits.

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Often, pre-professional students will choose to major in math or the sciences, but this is not necessary so long as the required courses are taken.

Prospective pre-professional students should realize that national examinations (the Medical College Aptitude Test, MCAT; the Optometry Admission Test, OAT; the Dental Aptitude Test, DAT; Pharmacy College Admission Test, PCAT; Graduate Record Examination, GRE) may be required. If these exams are required, it is recommended that students complete them during the second semester of your junior year. Required courses should be completed or in progress before these exams are scheduled in order to assure adequate scores.

Pre-Medical

Students planning to apply to medical school after UOG are advised to enter the of the Biology Program and to get involved with the UOG Pre-Medical Chapter of the American Medical Student Association. Pre-medical students can select other majors as well so long as the required courses are taken. Students should declare "pre-medical" along with their selected major for advisement purposes.

**For additional information, contact CNAS advisor
Katrina Quinata at quinatak@triton.uog.edu.**

Pre-Dental

Students planning to apply to dental school after UOG are advised to enter the of the Biology Program and to get involved with the UOG Predental Student Association. Pre-dental students can select other majors as well so long as the required courses are taken. Students should declare "pre-dental" along with their selected major for advisement purposes.

**For additional information, contact CNAS advisor
Katrina Quinata at quinatak@triton.uog.edu.**

Pre-Pharmacy

The University of Guam offers a pre-pharmacy program that leads directly to entrance in the School of Pharmacy at the University of Hawaii – Hilo. Pre-pharmacy students can declare any major so long as the required courses are taken. Students should declare "pre-pharmacy" along with their selected major for advisement purposes.

**For additional information, contact CNAS advisor
Katrina Quinata at quinatak@triton.uog.edu.**

Pre-Optometry

The University of Guam participates in a special "Underserved in Sight" program with the Pacific University College of Optometry, and a special program for Pacific Island students is available. Pre-optometry students can declare any major so long as the required courses are taken. Students should declare "pre-optometry" along with their selected major for advisement purposes.

**For additional information, contact CNAS advisor
Katrina Quinata at quinatak@triton.uog.edu.**

Pre-Veterinary

Those who are interested in veterinary medicine can complete basic science requirements at the University of Guam. However, there are very few schools of veterinary

medicine and they are extremely selective. They usually require basic science in addition to agriculture courses in animal husbandry, animal nutrition, etc., and all have specific state residency requirements, which being a resident of Guam does not fulfill. Pre-veterinary students are encouraged to attend the University of Guam for two years, during which time basic science courses can be taken and appropriate catalogs studied.

Pre-veterinary students can declare any major so long as the required courses are taken. Students should declare "pre-veterinary" along with their selected major for advisement purposes.

**For additional information, contact CNAS advisor
Katrina Quinata at quinatak@triton.uog.edu.**

ADVISEMENT

All students who plan to go to medical, optometry, dental, pharmacy, and veterinary schools are encouraged to seek advisement from CNAS advisor Katrina Quinata, regardless of their subject area. Inquiries from high school students and other Guam residents are welcomed.

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SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

ACCOUNTING PROGRAM

OVERVIEW

ACCREDITATION

The Bachelor of Business Administration in Accounting degree program is accredited by the International Accreditation Council for Business Education (IACBE) until 2026.

PROSPECTUS

The Bachelor of Business Administration in Accounting (BBAA) degree is for students interested in professional careers in the accounting field. Students may find job opportunities in auditing, financial planning, consulting, and technical accounting. Jobs in accounting are found in public accounting, private accounting, all levels of government and not-for-profit accounting.

The BBAA Program stresses technical skills that support the four key areas of accounting: audit, cost, government, and tax. Emphasis is given to knowing how financial data are assembled and integrated into a set of financial statements, understanding techniques and procedures, and using accounting computer applications.

LEARNING OUTCOMES

Successful students will:

- 1.Demonstrate leadership in the accounting/ business environment.
- 2.Demonstrate critical thinking and the ability to gather and synthesize information for accounting/business management problems.
- 3.Identify and analyze ethical problems that occur in the accounting/business environment.

- 4.Demonstrate competency in the application of accounting principles and concepts for local, regional, and global environments.
- 5.Demonstrate the ability to communicate relevant financial and non-financial information effectively.
- 6.Demonstrate competency in information technology for the accounting/business environment.

REQUIREMENTS FOR CONTINUING BBAA STUDENTS

- Students who declare a BBAA major are required to:
- Pass the Accounting Major Competency Exam as part of the prerequisites for BA-300.
 - Maintain a cumulative GPA of 3.0 or higher in the Accounting major requirements and an overall GPA of 3.0 or higher.

Student Advisement

DEGREE REQUIREMENTS

PROGRAM REQUIREMENTS (124 CREDIT HOURS)

Description	Credit Hours
General Education	47
BBAA Foundations	47*
BBAA Major Requirements	30
Total Credit Hours	124

*Note: It is School policy and a business accreditation standard that at least 50% of the BBAA Foundation and BBAA Major components must be earned at the University of Guam. BBAA advisement sheet can be found [here](#).

GENERAL EDUCATION (47 CREDIT HOURS)

The BBAA degree program requires students to complete 47 semester credit hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BBAA students include the following courses as part of their General Education requirements. (See General Education [Student Advisement Sheet](#).)

Tier I: Core Foundation

Course	Course Title	Credits	Term Offered
CT101	CRITICAL THINKING	3	FALL/SPRING/ ALL YEARS
MA110	BASIC MATHEMATICAL APPLICATIONS	3	FALL/SPRING/ ALL YEARS
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS

Tier II: Diversity Foundation

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

Recommended	Course	Credits
Science & Math	Any	4
Creative & Expressive Arts	Any	3
Cultural Perspectives	Any	3

Choice of One

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

Tier II: Uniquely UOG

Recommended	Course	Credits
Language	Any	4
Regional	Any	3

Tier II: Direction Building

Course	Course Title	Credits	Term Offered
BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS
BA180	BUSINESS ESSENTIALS	3	FALL/SPRING/ ALL YEARS
PA205	DATA AND STATISTICS FOR BUSINESS AND GOVERNMENT	3	FALL/SPRING/ ALL YEARS

Tier III: Capstone Experience

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

FOUNDATIONS COURSES (47 CREDIT HOURS)

Students must earn a grade of "C" or better for each course in the BBAA Foundation and Major requirements as well as maintain a cumulative 3.0 GPA or higher in the Accounting major requirements and an overall GPA of 3.0 or higher. Declared BBAA majors are required to pass the Accounting Major Competency Exam as part of the prerequisites for BA300 to continue in the BBAA program. Students must meet with their Accounting advisor to schedule taking this exam.

Required Courses

Course	Course Title	Credits	Term Offered
BA200	PRINCIPLES OF FINANCIAL ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA201	PRINCIPLES OF MANAGERIAL ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA220	BASIC BUSINESS FINANCE	3	FALL/SPRING/ ALL YEARS
BA230	DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION	3	FALL ONLY/ ODD YEARS
BA240	MANAGEMENT OF ORGANIZATIONS	3	FALL/SPRING/ ALL YEARS
BA260	FUNDAMENTALS OF MARKETING	3	FALL/SPRING/ ALL YEARS
BA409	SPECIAL STUDIES IN ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA310	APPLIED STATISTICS FOR BUSINESS DECISION	3	FALL/SPRING/ ALL YEARS
BA334	BUSINESS ANALYTICS	3	SPRING ONLY/ EVEN YEARS
BA347	LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY	3	FALL/SPRING/ ALL YEARS
PA347	LEADERSHIP AND COLLABORATION	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
	IN ORGANIZATIONS AND SOCIETY		
BA410	MANAGERIAL ECONOMICS	3	FALL/SPRING/ ALL YEARS
BA440	ORGANIZATIONAL BEHAVIOR	3	FALL/SPRING/ ALL YEARS
LW442	LAW AND ETHICS IN BUSINESS AND GOVERNMENT	3	FALL/SPRING/ ALL YEARS
LW443	BUSINESS LAW II	3	FALL/SPRING/ ALL YEARS
BA483	BUSINESS PROFESSIONAL AND CAREER DEVELOPMENT	2	FALL/SPRING/ ALL YEARS
BA480	BUSINESS STRATEGY AND POLICY	3	FALL/SPRING/ ALL YEARS

MAJOR COURSES (30 CREDIT HOURS)

Required Courses

Course	Course Title	Credits	Term Offered
BA300	INTERMEDIATE ACCOUNTING I	3	FALL/SPRING/ ALL YEARS
BA301	INTERMEDIATE ACCOUNTING II	3	FALL/SPRING/ ALL YEARS
BA304	INCOME TAXATION	3	FALL/SPRING/ ALL YEARS
BA305	COST AND MANAGERIAL ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA400	ADVANCED ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA401	GOVERNMENT ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA402	ACCOUNTING SYSTEMS	3	FALL/SPRING/ ALL YEARS
BA403	AUDITING I	3	FALL/SPRING/ ALL YEARS
BA405	ACCOUNTING INTERNSHIP	3	FALL/SPRING/ ALL YEARS
BA406	ETHICS FOR THE ACCOUNTANT	3	FALL/SPRING/ ALL YEARS

FACULTY

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BUSINESS ADMINISTRATION PROGRAM

OVERVIEW

ACCREDITATION

The Bachelor of Business Administration degree program is accredited by the International Accreditation Council for Business Education (IACBE) until 2026.

PROSPECTUS

Current Trends in Business Education

The Bachelor of Business Administration (BBA) Pathways Program responds to current trends in business education that match the demands of business and society. Economists predict that half of the jobs in the developed world will be lost to technology in a generation. Employers are increasingly seeking college graduates with an integrated set of skills — the technical analytics and applied strategies to collaborate, communicate, think, lead, and solve problems. Current trends among business schools are to move toward more individualized learning to match the interests and talents of students with the world of work.

Real-World Immersion

In addition to the classroom learning, each pathway incorporates ways for students to be heavily immersed in the real business world. Students will be given appropriate levels of interaction in the business community from the beginning of their program to the end. This could mean service learning, internship, and research experiences for students in the program. Opportunities for international or stateside travel, such as for research internships, have also

been built into the pathways as part of a course, student activity, or program option.

Choosing UOG for Business

Learning at UOG is better for business where you can experience first-hand the partnership of faculty and community working together to understanding how business works and how to make it work on Guam, in the region, and wherever business opportunities take you around the world. The diversity of business approaches in our learning community and the challenges of small-island economies far from supply chains on the front lines of growth prepares our students for working in challenging places.

LEARNING OUTCOMES

Successful students will:

1. Know, apply, and integrate fundamental business concepts
2. Understand local, regional, and global business in the context of the economic environment, ethics, law, and society
3. Solve business problems using research, technical, quantitative, collaborative, and decision-support tools
4. Think critically, communicate effectively, act decisively; and
5. Be prepared for a business career

In conjunction with business leaders from the region, SBPA has developed a BBA curriculum with program learning outcomes for personal and professional success. The curriculum is integrated with the University's [General Education requirements](#). The curriculum and activities do

not stop at the University walls. The school, its students, and its alumni set the stage for lifelong learning and growth through business service learning, membership in student and business organizations, community and University service, and applied research and consulting.

Student Advisement

PATHWAYS

BBA PATHWAYS

Students pursue their degree through one of three pathways below, each of which leads to the same BBA degree. Each pathway offers 24 credit hours of upper division business preparation. Working with an [SBPA advisor](#), students choose a pathway for which they meet the merit-based standards (i.e., minimum GPA requirements). To receive the BBA degree, students complete 124 semester credit hours.

General Business Pathway

The General Business Pathway is designed for the majority of BBA students. The pathway is business interdisciplinary, preparing well-rounded graduates for Guam’s and the region’s business workforce.

Business Professional Pathway

The Business Professional Pathway is for select BBA students who have demonstrated the interest and capacity for intensive, upper-division coursework in one of the professional fields of economics/finance, management (includes entrepreneurship, human resources, international tourism/ hospitality), or marketing.

Business Honors Pathway

The Business Honors Pathway is for the highest performing BBA students. This pathway can be either business interdisciplinary or focused on one of the professional fields of economics/finance, or management (includes entrepreneurship, human resources, international tourism/hospitality), or marketing.

DEGREE REQUIREMENTS

PROGRAM REQUIREMENTS (124 CREDIT HOURS)

Description	Credit Hours
General Education	47
BBA Foundation	50
BBA Pathway	24
Upper Division Free Electives	3
Total Credit Hours	124

Note:

- 1.It is SBPA’s policy and a business accreditation standard that at least 50% of the BBA Foundation and BBA Pathway components must be earned at the University of Guam.
- 2.There are three alternative BBA Pathways.

GENERAL EDUCATION (47 CREDIT HOURS)

The BBA Program requires students to complete 47 semester credit hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BBA students include the following courses as part of their General Education Requirements. (See General Education [Student Advisement Sheet](#).)

RECOMMENDED COURSES

Tier I: Core Foundation

Course	Course Title	Credits	Term Offered
CT101	CRITICAL THINKING	3	FALL/SPRING/ ALL YEARS
MA110	BASIC MATHEMATICAL APPLICATIONS	3	FALL/SPRING/ ALL YEARS
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS

Tier II: Diversity Foundation

SCIENCE & MATH

Course	Course Title	Credits
Science & Math	Any	4

HUMAN SCIENCES

Select one of the following:

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

CREATIVE & EXPRESSIVE ARTS

Course	Course Title	Credits
Creative & Expressive Arts	Any	3

HUMAN SYSTEMS & ORGANIZATIONS

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

CULTURAL PERSPECTIVES

Course	Course Title	Credits
Cultural Perspectives	Any	3

Tier II: Uniquely UOG

Course	Course Title	Credits
Language	Any	4
Regional	Any	3

Tier II: Direction Building

Course	Course Title	Credits	Term Offered
BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS
BA180	BUSINESS ESSENTIALS	3	FALL/SPRING/ ALL YEARS
PA205	DATA AND STATISTICS FOR BUSINESS AND GOVERNMENT	3	FALL/SPRING/ ALL YEARS

Tier III: Capstone Experience

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

BBA FOUNDATION COURSES (50 CREDIT HOURS)

Students are required to complete 50 semester credit hours in the BBA Foundation. These courses are fundamental to understanding the commercial world and developing sound business skills. All BBA majors must earn a grade of "C" or better in the BBA Foundation requirements.

BBA Foundation courses are to be taken in each of a student's four years at the University. Courses beginning with the number 1 are suggested for freshmen (e.g. BA-131); 2 for sophomores (e.g. BA-260); 3 for juniors (e.g. BA-310); and 4 for seniors (e.g. BA-440). During the senior year, after having completed most of the General Education and BBA Foundation coursework, students take BA-483 Business Professional and Career Development. The course is also a prerequisite for the BA-480 Business Policy and Strategy capstone. As graduating seniors, students take BA-480 Business Strategy and Policy capstone course that integrates the fundamental concepts learned and challenges the students to apply their skills.

Required Courses

Course	Course Title	Credits	Term Offered
BA200	PRINCIPLES OF FINANCIAL ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA201	PRINCIPLES OF MANAGERIAL ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA220	BASIC BUSINESS FINANCE	3	FALL/SPRING/ ALL YEARS
BA240	MANAGEMENT OF ORGANIZATIONS	3	FALL/SPRING/ ALL YEARS
BA241	HUMAN RESOURCE MANAGEMENT	3	FALL/SPRING/ ALL YEARS
BA260	FUNDAMENTALS OF MARKETING	3	FALL/SPRING/ ALL YEARS
BA310	APPLIED STATISTICS FOR BUSINESS DECISION	3	FALL/SPRING/ ALL YEARS
BA335	CYBERSECURITY AND CLOUD SERVICE	3	FALL/SPRING/ ALL YEARS
BA347	LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY	3	FALL/SPRING/ ALL YEARS
BA386	LOGISTICS AND SUPPLY CHAIN MANAGEMENT	3	FALL/SPRING/ ALL YEARS
BA440	ORGANIZATIONAL BEHAVIOR	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
LW442	LAW AND ETHICS IN BUSINESS AND GOVERNMENT	3	FALL/SPRING/ ALL YEARS
BA483	BUSINESS PROFESSIONAL AND CAREER DEVELOPMENT	2	FALL/SPRING/ ALL YEARS
BA480	BUSINESS STRATEGY AND POLICY	3	FALL/SPRING/ ALL YEARS

Choice of (3 credits):

Course	Course Title	Credits	Term Offered
BA131	INTRODUCTION TO INFORMATION MANAGEMENT	3	FALL/SPRING/ ALL YEARS
BA230	DATA PROCESSING AND DATA ADMINISTRATION WITH MAC APPLICATION	3	FALL ONLY/ ODD YEARS

Choice of (3 credits):

Course	Course Title	Credits	Term Offered
BA333	MANAGEMENT INFORMATION SYSTEMS	3	FALL/SPRING/ ALL YEARS
BA334	BUSINESS ANALYTICS	3	SPRING ONLY/ EVEN YEARS
BA380	E-BUSINESS	3	SPRING ONLY/ ALL YEARS

Choice of (3 credits):

Course	Course Title	Credits	Term Offered
BA252	INTERNATIONAL TOURISM	3	FALL/SPRING/ ALL YEARS
BA341	INTERNATIONAL BUSINESS ENVIRONMENT	3	SPRING ONLY/ ALL YEARS
BA420	INTERNATIONAL CORPORATE FINANCE	3	SPRING ONLY/ ALL YEARS
BA460	INTERNATIONAL MARKETING	3	FALL ONLY/ ALL YEARS

BBA PATHWAYS COURSES (24 CREDIT HOURS)

A BBA pathway identifies the upper division BA coursework required beyond the BBA Foundation. There are three alternative BBA pathways. Each has its own merit-based qualification standards, which students must meet before taking upper division BA courses in their pathway.*

- 1.BBA General Business Pathway OR
- 2.BBA Business Professional Pathway OR
- 3.BBA Business Honors Pathway.

* Note:

- 1.Each pathway leads to the same BBA degree. Diplomas and transcripts will state that the student was awarded the BBA degree but will not state the pathway.
- 2.BBA pathways are not concentrations.

GENERAL BUSINESS PATHWAY REQUIREMENTS

Students must meet the merit-based qualification standards to take upper division BA courses in the General Business Pathway. Students need a minimum

2.7 GPA in all prior lower division coursework and must maintain at least a 2.7 GPA overall.

All students in this pathway take eight upper division, business-interdisciplinary BA courses (24 credit hours), as follows:

With SBPA advisor guidance and approval, students choose five upper division, business-interdisciplinary BA courses that suit their personal and career interests. As the pathway is business interdisciplinary, students may not choose more than three upper division courses in a single business discipline (e.g., no more than nine credit hours in accounting, economics, finance, management {includes entrepreneurship, human resources, information technology, international tourism/ hospitality}, or marketing).

Required Courses

Course		Credit Hours	
Five upper division, business-interdisciplinary BA courses (see above)		15	

Course	Course Title	Credits	Term Offered
BA410	MANAGERIAL ECONOMICS	3	FALL/SPRING/ ALL YEARS
BA441	OPERATIONS AND PROJECT MANAGEMENT	3	SPRING ONLY/ ALL YEARS
BA482A	BUSINESS SERVICE LEARNING: SENIOR TEAM FIELD PROJECT	3	FALL/SPRING/ ALL YEARS

BUSINESS PROFESSIONAL PATHWAY REQUIREMENTS

Students must meet the merit-based qualification standards to take upper-division BA courses in the Business Professional Pathway. Students need a minimum 3.3 GPA in all prior lower division coursework and must maintain at least a 3.3 GPA overall.

All students in this pathway take eight upper division courses (24 credit hours), as follows:

Students must take six courses from economics/finance, or management (includes entrepreneurship, human resources, international tourism/ hospitality), or marketing. Advisor must approve. Coursework must be related to the selected field and may be from upper division BA courses and/or independent study. If approved, one of the upper division courses may be from any upper division course offered at the University that the advisor judges relevant to the chosen field and course of study.

Required Courses

Course		Credit Hours	
Six courses from economics/finance, management, or marketing		18	

Course	Course Title	Credits	Term Offered
BA431	TOPICS IN THE MANAGEMENT OF TECHNOLOGY AND INNOVATION	3	SPRING ONLY/ ALL YEARS
BA482A	BUSINESS SERVICE LEARNING: SENIOR TEAM FIELD PROJECT	3	FALL/SPRING/ ALL YEARS

BUSINESS HONORS PATHWAY

Students must meet the merit-based qualification standards to take upper division BA courses in the Business Honors Pathway. Students need a minimum 3.7 GPA in all prior lower division coursework and must maintain at least a 3.7 GPA overall.

All students in this pathway take eight upper division courses (24 credit hours), as follows:

Students must take five courses from economics/finance, management (includes entrepreneurship,

human resources, information technology, international tourism/hospitality), or marketing. Advisor must approve. Coursework must be related to the selected field and may be from upper division BA courses and/or independent study. If approved, one of the upper division courses may be from any upper division course offered at the University that the advisor judges relevant to the selected field and course of study.

Required Courses

Course	Credit Hours
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Five courses from economics/ finance, management, or marketing 15

Course	Course Title	Credits	Term Offered
BA431	TOPICS IN THE MANAGEMENT OF TECHNOLOGY AND INNOVATION	3	SPRING ONLY/ ALL YEARS

Two Business Service Learning courses*:

*Depending on their interests, students may select one course in BA-482b and one in BA-482c or two courses in either BA-482b or BA-482c

Course	Course Title	Credits	Term Offered
BA482B	BUSINESS SERVICE LEARNING: BUSINESS/ RESEARCH INTERNSHIP	3	FALL/SPRING/ ALL YEARS
BA482C	BUSINESS SERVICE LEARNING: BUSINESS FORMATION/ INNOVATION/ TRANSFORMATION	3	FALL/SPRING/ ALL YEARS

UPPER DIVISION FREE ELECTIVE (3 CREDIT HOURS)

Students must complete three semester credit hours in an upper division, non-BA elective course (i.e., the course cannot begin with BA; nor can the course be a non-BA course, such as LW-442 as this course is required in the BBA Foundation). For BBA majors, upper division Legal Studies (LW) and Public Administration (PA) courses may be used to fulfill the upper-division elective requirement.

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OVERVIEW

PROSPECTUS

The Criminal Justice Program is aligned with the national curriculum for criminal justice in the United States. It is an interdisciplinary field drawing from legal studies, data analysis, business, and public administration.

Career Possibilities: Graduates qualify to hold management and administrative positions within the criminal justice system (i.e., Corrections, Customs, Judiciary, Police, etc.). They may also pursue a graduate degree in the law policy or criminal justice fields.

Why UOG?: As a small Pacific Island, Guam is ideally suited to study crime policy and the application of justice. Its unique location allows students to interact with many Pacific island cultures as well as Asian cultures.

LEARNING OUTCOMES

Successful students will be able to demonstrate:

- A general understanding of the various roles of criminal justice professions in the public and private sectors
- Leadership and teamwork skills
- Critical thinking and analytical skills in solving real world problems in criminal justice
- A sufficient real-world understanding of law and public policy processes
- Proficiency in information technology and communication skills, etc.
- An understanding of local, regional, and global environments and their relevance to criminal justice
- An understanding of ethical, professional, and socially responsible behavior

DEGREE REQUIREMENTS

PROGRAM REQUIREMENTS

Description	Credit Hours
General Education	47

Description	Credit Hours
Criminal Justice Major Courses	51
Criminal Justice Electives	26
Total Credits	124

Important Note: 40 upper division credits are required for the baccalaureate degree.

CRIMINAL JUSTICE MAJOR REQUIREMENTS (124 CREDIT HOURS)

General Education (Recommended Courses-47 credit hours)

The Criminal Justice Program requires students to complete 47 semester hours of General Education. While there are many choices among the General Education courses offered, it is strongly recommended that BSCJ students include the following courses as part of their General Education requirements. (See General Education [Student Advisement Sheet](#).)

Tier I: Core Foundation

Course	Course Title	Credits	Term Offered
CT101	CRITICAL THINKING	3	FALL/SPRING/ ALL YEARS
MA110	BASIC MATHEMATICAL APPLICATIONS	3	FALL/SPRING/ ALL YEARS
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS

Tier II: Uniquely UOG

	Course	Credits
Language	Any	4
Regional	Any	3

Tier II: Diversity Foundation

	Course	Credits
Science & Math	Any	3-4
Cultural Perspectives	Any	3

Human Sciences

Choice of:

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

Human Systems & Organizations

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

Tier II: Direction Building

Course	Course Title	Credits	Term Offered
BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS
LW101	INTRODUCTION TO CRIMINAL JUSTICE	3	FALL/SPRING/ ALL YEARS
EN210	INTRODUCTION TO LITERATURE	3	FALL/SPRING/ ALL YEARS

Tier III: Capstone Experience

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

Required Courses (51 credit hours)

Course	Course Title	Credits	Term Offered
BA130	INTRODUCTION TO COMPUTERS AND APPLICATIONS	3	FALL/SPRING/ ALL YEARS
LW106	PERSONAL LAW	3	FALL/SPRING/ ALL YEARS
LW202	TRIAL AND EVIDENCE	3	FALL/SPRING/ ALL YEARS
LW306	CRIMINAL LAW	3	FALL/SPRING/ ALL YEARS
LW311	CORRECTIONAL SECURITY MANAGEMENT AND ADMINISTRATION	3	FALL/SPRING/ ALL YEARS
LW402	CONSTITUTIONAL LAW	3	FALL/SPRING/ ALL YEARS
LW404	ADMINISTRATION AND MANAGEMENT OF CRIMINAL JUSTICE ORGANIZATIONS	3	FALL/SPRING/ ALL YEARS
PA210	PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS	3	FALL/SPRING/ ALL YEARS
PA233	IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS	3	FALL/SPRING/ ALL YEARS
PA303	GOVERNMENT FINANCE	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
PA304	GOVERNMENT PUBLIC INFORMATION	3	FALL/SPRING/ ALL YEARS
PA305	DATA ANALYSIS IN PUBLIC ADMINISTRATION	3	FALL/SPRING/ ALL YEARS
PA403	PUBLIC PERSONNEL ADMINISTRATION	3	FALL/SPRING/ ALL YEARS
PA405	LEADERSHIP ETHICS IN THE PROFESSIONS	3	FALL/SPRING/ ALL YEARS

Elective Courses (26 credit hours)

Required electives must be approved by the Criminal Justice advisor.

FACULTY

DIVISION CHAIR

Ronald L. McNinch-Su

Associate Professor of Public Administration

CYBERSECURITY MANAGEMENT PROGRAM

OVERVIEW

PROSPECTUS

The Cybersecurity Management Minor and Professional Certificate Program in Cybersecurity Management are part of an interdisciplinary management approach to cybersecurity in public and private organizations. The primary objectives of this program are to provide students and professionals with the skills and confidence needed to identify problem areas related to cybersecurity and information technology management in an organization and identify solutions. The program is intended to enhance student and participant learning and career

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opportunities in information security management that can be applied to various organizational settings.

Subject Matter

The focus of the course material is on cybersecurity management challenges in an organizational setting. Students will learn about the critical need for protection of data and information, and what to do in the event that protected information is breached. The program is designed to capitalize on the intellectual strengths of students majoring in different disciplines that are consistent with the broad suite of professional management needs found in varied institutional settings. Students with background or academic areas of interest

in: criminal justice, information technology, business, public administration, law, education, healthcare, the behavioral sciences and many other fields may link their area of interest to this program. The program will cover subject matter in information risk management, computer crime, homeland security, law, defense, terrorism studies, policy development and other topics as they relate to information management and security threats.

Intellectual Skills and Learning Methods

The course of study will provide students with the techniques and tools to deal with cybersecurity management, planning and threats. The methodology of the coursework will provide students and participants with skills to:

1. Develop an understanding of the importance of cybersecurity management in organizations;
2. Identify short- and long-term cybersecurity threats and problems and their associated consequences for organizations if not properly addressed by management;
3. Learn how to gather and analyze relevant information for informed management decision-making and responses to cybersecurity threats; and
4. Learn how to think strategically about new ways to approach and solve cybersecurity management challenges in organizations.

Affective and Creative Capabilities

In this program, students will examine cybersecurity and information technology oversight; management techniques and key components in developing cybersecurity plans (see above) and search for strategic ways to protect organizations from cybercrimes and intrusions.

LEARNING OUTCOMES

Student Learning Outcome assessments will be conducted by performing pre-and-post tests in every class and by developing student learning performance profiles for each class. Hands-on simulation exercise and writing assignments will be used to measure proficiency.

DEGREE REQUIREMENTS

CYBERSECURITY MANAGEMENT
MINOR AND
CYBERSECURITYPROFESSIONAL
CERTIFICATE

PROGRAM REQUIREMENTS (15
CREDIT HOURS)

Required Courses (15 credit hours)

Course	Course Title	Credits	Term Offered
CSM100	INTRODUCTION TO CYBERSECURITY MANAGEMENT	3	FALL/SPRING/ ALL YEARS
CSM200	FUNDAMENTAL OF COMPUTERS AND NETWORKING TECHNOLOGIES FOR CYBERSECURITY MANAGERS IN ORGANIZATIONS:UNDERSTANDING COMPUTER HARDWARE, NETWORKS AND THE INTERNET	3	FALL/SPRING/ ALL YEARS
CSM300	CYBERSECURITY MANAGEMENT TOOLS AND TECHNIQUES	3	FALL/SPRING/ ALL YEARS
CSM301	CYBERCRIME AND DIGITAL FORENSICS	3	FALL/SPRING/ ALL YEARS
CSM302	LEGAL ISSUES AND CASES IN CYBERSECURITY AND THE LAW: LOCAL, NATIONAL AND INTERNATIONAL	3	FALL/SPRING/ ALL YEARS

Elective Courses

A student may petition the Public Administration and Legal Studies Program for consideration to substitute

a course they have completed that may be equivalent in content to a course required in the Cybersecurity Management program.

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HEALTH SERVICES ADMINISTRATION PROGRAM AND PRE-LAW PROGRAM

OVERVIEW

PROSPECTUS

The School of Business & Public Administration offers a number of professional certificate programs. The purpose of these programs is to extend student learning in various specialized fields and in accordance with professional standards set by credentialing agencies. See the following program descriptions for information about advisement, admission, and course requirements. Advisement is strongly encouraged by the faculty of the contributing certificate/ special instruction program.

to pursue a career in the administration of health services. Although, health care is a business like any other, it has unique special components, which either dictate or impact administrative and managerial decisions. The Health Services Administration minor provides a solid theoretical and practical grounding through the process of formal education.

Students interested in pursuing a minor/certificate in Health Services Administration should contact the SBPA Dean's Office at sbpa@triton.uog.edu to schedule an appointment.

HEALTH SERVICES ADMINISTRATION MINOR

MINOR/CERTIFICATE IN HEALTH SERVICES ADMINISTRATION

The populations of Guam and the Western Pacific are changing and with those changes comes the need for health services. Health care on Guam is provided by the Health and Substance Abuse and, to some extent, the Department of Vocational Rehabilitation; through the growing number of private providers; and through the Naval Hospital and other military connected clinics. Health care in the Western Pacific is provided by rural clinics and central government hospitals. There are few private health providers in the Western Pacific island nations.

The minor in Health Services Administration provides the people of Guam and in the region with the opportunity

Required Courses (18 credit hours)

Course	Course Title	Credits	Term Offered
PA206	PUBLIC HEALTH AND DISEASE MANAGEMENT	3	FALL ONLY/ ALL YEARS
PA207	ADMINISTRATION OF HEALTH CARE SERVICES	3	FALL ONLY/ ALL YEARS
PA210	PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS	3	FALL/SPRING/ ALL YEARS
PA306	HEALTH CARE PLANNING AND EVALUATION	3	SPRING ONLY/ ALL YEARS
PA307	THE ECONOMICS OF HEALTH CARE	3	SPRING ONLY/ ALL YEARS
PA405	LEADERSHIP ETHICS IN THE PROFESSIONS	3	FALL/SPRING/ ALL YEARS

PRE-LAW PROGRAM

PRE-LAW PROGRAM

Students interested in pursuing a legal career may follow a major of their choice. There is no formal pre-law major. Majors most commonly chosen are Political Science, Business, English, History, Public Administration, Philosophy, and Psychology. In fulfilling requirements in their major fields, students seeking entry to law school may want to consider the courses listed below. In addition, pre-law advisors on the Political Science and School of Business & Public Administration faculty will assist students to prepare for the Law School Admission Tests and law school applications.

Suggested Pre-Law Courses

Humanities

Course	Course Title	Credits	Term Offered
CO340	PERSUASION	3	FALL ONLY/ EVEN YEARS
EN319	ADVANCED COMPOSITION	3	FALL/SPRING/ ALL YEARS
HI201	EARLY AMERICA	3	FALL/SPRING/ ALL YEARS
PA405	LEADERSHIP ETHICS IN THE PROFESSIONS	3	FALL/SPRING/ ALL YEARS
PI210	INTRODUCTION TO LOGIC	3	FALL ONLY/ ODD YEARS

Natural Sciences & Math

Course	Course Title	Credits	Term Offered
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS

Business

Course	Course Title	Credits	Term Offered
BA200	PRINCIPLES OF FINANCIAL ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA201	PRINCIPLES OF MANAGERIAL ACCOUNTING	3	FALL/SPRING/ ALL YEARS
BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS
BA130	INTRODUCTION TO COMPUTERS AND APPLICATIONS	3	FALL/SPRING/ ALL YEARS

Social Science

Course	Course Title	Credits	Term Offered
PS101	INTRODUCTION TO GOVERNMENT AND POLITICS	3	FALL/SPRING/ ALL YEARS
PS202	GOVERNMENT IN THE UNITED STATES	3	FALL/SPRING/ ALL YEARS
PS420	INTERNATIONAL LAW	3	FALL ONLY/ EVEN YEARS

Legal Studies

Course	Course Title	Credits	Term Offered
LW101	INTRODUCTION TO CRIMINAL JUSTICE	3	FALL/SPRING/ ALL YEARS

PUBLIC ADMINISTRATION PROGRAM

Course	Course Title	Credits	Term Offered
LW202	TRIAL AND EVIDENCE	3	FALL/SPRING/ ALL YEARS
LW306	CRIMINAL LAW	3	FALL/SPRING/ ALL YEARS
LW311	CORRECTIONAL SECURITY MANAGEMENT AND ADMINISTRATION	3	FALL/SPRING/ ALL YEARS
LW402	CONSTITUTIONAL LAW	3	FALL/SPRING/ ALL YEARS

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Profie Not Found

OVERVIEW

PROSPECTUS

The Bachelor of Science in Public Administration (BSPA) is designed to equip students with professional competencies to accomplish managerial tasks and organizational objectives in public and not-for-profit organizations. Students enrolled in the BSPA degree program study the various roles of professional managers in public service; develop leadership and analytical skills; study policy-making processes; and learn the techniques of sound public sector management. The program provides special attention and sensitivity to cultural and social issues in the Western Pacific and Asia region and an understanding of their relevance to public administration.

LEARNING OUTCOMES

Successful students will able to demonstrate:

- A general understanding of the various roles of professional managers in the public and nonprofit sectors
- Leadership and teamwork skills
- Critical thinking and analytical skills in solving real world problems in public administration
- A sufficient real-world understanding of public policy processes
- Proficiency in information technology and communication skills, etc.
- An understanding of local, regional, and global environments and their relevance to public administration

- An understanding of ethical, professional, and socially responsible behavior

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

PROGRAM REQUIREMENTS (124 CREDIT HOURS)

Description	Credit
General Education	47
Public Administration Major Courses	51
Public Administration Required Electives	26
Total Credits	124

Note: Students must earn a grade of “C” or better in all major coursework.

GENERAL EDUCATION (47 CREDIT HOURS)

The BSPA program requires students to complete 47 semester hours of [General Education](#). While there are many choices among the General Education courses offered, it is strongly recommended that BSPA students include the following courses as part of their General Education requirements. (See General Education [Student Advisement Sheet](#).)

Tier I: Core Foundation

Course	Course Title	Credits	Term Offered
CT101	CRITICAL THINKING	3	FALL/SPRING/ ALL YEARS
MA110	BASIC MATHEMATICAL APPLICATIONS	3	FALL/SPRING/ ALL YEARS
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS

Tier II: Uniquely UOG

Recommended	Course	Credits
Language	Any	4
Regional	Any	3

Tier II: Diversity Foundation

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

Recommended	Course	Credits
Science & Math	Any	3
Cultural Perspectives	Any	3

Choice of One

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

Tier II: Direction Building

Course	Course Title	Credits	Term Offered
LW101	INTRODUCTION TO CRIMINAL JUSTICE	3	FALL/SPRING/ ALL YEARS
EN210	INTRODUCTION TO LITERATURE	3	FALL/SPRING/ ALL YEARS

Tier III: Capstone Experience

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

MAJOR COURSES (51 CREDIT HOURS)

Required Courses

Course	Course Title	Credits	Term Offered
BA130	INTRODUCTION TO COMPUTERS AND APPLICATIONS	3	FALL/SPRING/ ALL YEARS
BA330	INFORMATION TECHNOLOGY AND NETWORKS FOR BUSINESS	3	FALL/SPRING/ ALL YEARS
LW402	CONSTITUTIONAL LAW	3	FALL/SPRING/ ALL YEARS
PA210	PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS	3	FALL/SPRING/ ALL YEARS
PA215	SUPERVISION IN GOVERNMENT ORGANIZATIONS	3	FALL/SPRING/ ALL YEARS
PA233	IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS	3	FALL/SPRING/ ALL YEARS
PA303	GOVERNMENT FINANCE	3	FALL/SPRING/ ALL YEARS
PA304	GOVERNMENT PUBLIC INFORMATION	3	FALL/SPRING/ ALL YEARS
PA305	DATA ANALYSIS IN PUBLIC ADMINISTRATION	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
PA306	HEALTH CARE PLANNING AND EVALUATION	3	SPRING ONLY/ ALL YEARS
PA347	LEADERSHIP AND COLLABORATION IN ORGANIZATIONS AND SOCIETY	3	FALL/SPRING/ ALL YEARS
PA401	COMMUNITY PLANNING	3	SUMMER/ ALL YEARS
AL401	COMMUNITY PLANNING	3	AS REQUIRED
PA403	PUBLIC PERSONNEL ADMINISTRATION	3	FALL/SPRING/ ALL YEARS
PA405	LEADERSHIP ETHICS IN THE PROFESSIONS	3	FALL/SPRING/ ALL YEARS
PA420	PUBLIC FINANCE & FISCAL POLICY	3	FALL/SPRING/ ALL YEARS
PA490	SPECIAL PROJECT IN PUBLIC ADMINISTRATION	3	FALL/SPRING/ ALL YEARS
PA480	PUBLIC ADMINISTRATION CAPSTONE	3	FALL/SPRING/ ALL YEARS

Choose 1 of the following:

Course	Course Title	Credits	Term Offered
PA402A	POLICY EVALUATION	3	FALL/SPRING/ ALL YEARS
PA402B	GRANT ADMINISTRATION	3	FALL/SPRING/ ALL YEARS
PA402C	FRAUD EXAMINATION	3	FALL/SPRING/ ALL YEARS
PA402D	PROBLEMS IN PUBLIC POLICY: PROCUREMENT	3	FALL/SPRING/ ALL YEARS
PA402E	EMERGENCY MANAGEMENT	3	FALL/SPRING/ ALL YEARS

ELECTIVE COURSES (26 CREDIT HOURS)

Required electives must be approved by [Public Administration advisor](#).

MINOR REQUIREMENTS

PUBLIC ADMINISTRATION MINOR REQUIREMENTS (18 CREDIT HOURS)

Required Courses

Course	Course Title	Credits	Term Offered
PA210	PUBLIC ADMINISTRATION AND MANAGEMENT: CONCEPTS AND APPLICATIONS	3	FALL/SPRING/ ALL YEARS
PA233	IMPACT OF GOVERNMENT REGULATORY ADMINISTRATION ON BUSINESS	3	FALL/SPRING/ ALL YEARS
PA303	GOVERNMENT FINANCE	3	FALL/SPRING/ ALL YEARS
PA403	PUBLIC PERSONNEL ADMINISTRATION	3	FALL/SPRING/ ALL YEARS
PA405	LEADERSHIP ETHICS IN THE PROFESSIONS	3	FALL/SPRING/ ALL YEARS
PA420	PUBLIC FINANCE & FISCAL POLICY	3	FALL/SPRING/ ALL YEARS

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SCHOOL OF EDUCATION

ELEMENTARY EDUCATION PROGRAM

OVERVIEW

PROSPECTUS

The Field: Teachers lay a foundation on which our communities are built. Education is a dynamic field, evolving based on current research while continuing to benefit from time-tested best practices.

Relevance and Demand: This program provides pre-service courses and programs at the undergraduate level to ensure our region has trained teachers equipped to teach at the K–5 level.

Why UOG?: School of Education students at the University of Guam are provided great opportunities to benefit from diversity in our local schools, explore regional topics, and engender global citizenry in our youth strengthened by place-based values. No matter what direction graduates choose, they may navigate their course in confidence, knowing that their experience at UOG has prepared them for what is ahead.

Career Possibilities: School of Education graduates are presented with a variety of options to teach in public or private schools on Guam. Our graduates are also well-positioned to work both in the region and in the U.S. mainland.

PROGRAM INFORMATION

- [Admission](#)
- [Advisement](#)
- [Grade Requirements](#)
- [Student Status \(Pre-Education or Teacher Candidate\)](#)
- [Student Teaching](#)
- [Learning Outcomes](#)

[Elementary Education Advisement Sheet](#)

DEGREE REQUIREMENTS

PROGRAM REQUIREMENTS (126 CREDIT HOURS)

Description	Credit Hours
General Education	47
Content Area Courses	22
Admission Foundational Courses	9
Professional Education Courses (This includes ED-492 Practicum-Student Teaching)	48
Total Credit Hours	126

GENERAL EDUCATION (47 CREDIT HOURS)

The Elementary Education Program requires students to complete 47 semester credit hours of General Education, as listed on the [Student Advisement Sheet](#). While there are many choices among the General Education courses offered, it is strongly recommended that Elementary Education students include the following courses as part of their General Education requirements:

RECOMMENDED COURSES

Tier I: Core Foundation

Course	Course Title	Credits	Term Offered
CT101	CRITICAL THINKING	3	FALL/SPRING/ ALL YEARS
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS

Tier II: Diversity Foundation

Course	Course Title	Credits	Term Offered
BI100	ENVIRONMENTAL BIOLOGY	3	FALL/SPRING/ ALL YEARS
GE101	INTRODUCTION TO GEOGRAPHY	3	FALL/SPRING/ ALL YEARS
HI121	WORLD HISTORY I	3	FALL/SPRING/ ALL YEARS
PS202	GOVERNMENT IN THE UNITED STATES	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits
Creative and Expressive Arts	Any	3

Tier II: Uniquely UOG

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

Course	Course Title	Credits
Language	Any	4

Tier II: Direction Building

Course	Course Title	Credits	Term Offered
MA115	INTRODUCTORY COLLEGE ALGEBRA	3	FALL/SPRING/ ALL YEARS
AL130	INTRO TO SCIENCE FOR EDUCATORS	3	SPRING ONLY/ EVEN YEARS
EN213	LITERATURE, MYTH AND CULTURE	3	FALL/SPRING/ ALL YEARS

CONTENT AREA (22 CREDIT HOURS)

Required Courses

Course	Course Title	Credits	Term Offered
AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS
HS200	HEALTH AND WELLNESS	3	FALL/SPRING/ ALL YEARS

ADMISSION FOUNDATIONAL COURSES (9 CREDIT HOURS)

Required Courses

Course	Course Title	Credits	Term Offered
ED110	INTRODUCTION TO TEACHING	3	FALL/SPRING/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
ED271	TECHNOLOGY APPLICATIONS FOR EDUCATORS	3	FALL/SPRING/ ALL YEARS

PROFESSIONAL EDUCATION COURSES (48 CREDIT HOURS)

Required Courses

Course	Course Title	Credits	Term Offered
ED300	EDUCATIONAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
ED334	SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS	3	FALL/SPRING/ ALL YEARS
ED446	INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM	3	FALL/SPRING/ ALL YEARS
ED350	EFFECTIVE TEACHING STRATEGIES FOR THE ELEMENTARY MULTICULTURAL CLASSROOM	3	FALL/SPRING/ ALL YEARS
ED353	SOCIAL STUDIES METHODS: ELEMENTARY	3	FALL ONLY/ ALL YEARS
ED354	SCIENCE METHODS: ELEMENTARY	3	FALL ONLY/ ALL YEARS
ED356	MATHEMATICS METHODS: ELEMENTARY	3	FALL ONLY/ ALL YEARS
ED392	METHODS PRACTICUM	3	FALL ONLY/ ALL YEARS
ED489	EVALUATION	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
ED363	P.E. AND HEALTH METHODS ELEMENTARY	3	SPRING ONLY/ ALL YEARS
ED355	LANGUAGE ARTS METHODS: ELEMENTARY	3	SPRING ONLY/ ALL YEARS
ED351	FINE ARTS METHODS: ELEMENTARY	3	SPRING ONLY/ ALL YEARS
ED492	PRACTICUM IN STUDENT TEACHING	12	FALL/SPRING/ ALL YEARS

SPECIALIZATIONS

ELEMENTARY EDUCATION SPECIALIZATION OPTIONS

Education majors may choose to add a specialization to their degree. The specialization courses are designed to provide students with a fundamental understanding of a specific group of learners. They also satisfy some of the UOG prerequisite requirements toward admission into the Master of Education degree in that area.

Early Childhood Education (15 credit hours)

This specialization is for Elementary Education majors only. It provides in-service courses at the undergraduate level. It provides the region with teachers who are especially able to teach preschool and primary grade children (Pre-K–2) in a variety of cultural environments.

Course	Course Title	Credits	Term Offered
ED330	LANGUAGE ARTS IN EARLY CHILDHOOD	3	AS REQUIRED
ED331	TEACHING THE YOUNG CHILD	3	AS REQUIRED/ ALL YEARS
ED333	CREATIVE ARTS IN EARLY CHILDHOOD	3	AS REQUIRED/ ALL YEARS
ED334	SOLVING DISCIPLINE PROBLEMS: STRATEGIES FOR CLASSROOM TEACHERS	3	FALL/SPRING/ ALL YEARS
ED336	BUILDING HOME AND SCHOOL RELATIONSHIPS IN EARLY CHILDHOOD EDUCATION	3	AS REQUIRED/ ALL YEARS

English as a Second Language (ESL) (15 credit hours)

The specialization in ESL is designed for pre-service and in-service teachers who wish to teach English as a Second Language (ESL) at the elementary or secondary level. The courses are designed to prepare students in the specialization to work with second-language learners, both in mainstream classes and in pullout ESL courses.

The program includes methods and strategies for promoting success in English as well as content courses for K–12 learners. Issues such as bilingualism, second language acquisition, needs of non-native English-speaking children, and culture will be addressed throughout the five specialization courses. Students will be expected to become familiar with the rules of English grammar.

This specialization also serves as an entry for students hoping to pursue careers teaching ESL abroad.

Course	Course Title	Credits	Term Offered
ED280	INTRODUCTION TO BILINGUALISM/ BICULTURALISM	3	FALL ONLY/ ALL YEARS
ED385A	STRUCTURE OF THE LANGUAGE	3	FALL ONLY/ ALL YEARS
ED480	SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT	3	AS REQUIRED/ ALL YEARS
ED481	SECOND LANGUAGE TEACHING METHODOLOGY	3	AS REQUIRED/ ALL YEARS
ED482	WORKING WITH SECOND LANGUAGE LEARNERS	3	AS REQUIRED/ ALL YEARS

Special Education (15 credit hours)

This specialization is designed to prepare students for entry into the field of human services for exceptional individuals with specific emphasis areas in teaching exceptional learners. It is generic and provides basic teaching knowledge and skills applicable to individuals with disabilities.

Course	Course Title	Credits	Term Offered
ED310	REMEDIATION OF INDIVIDUALS WITH LEARNING DISABILITIES/ BEHAVIOR DISORDERS	3	AS REQUIRED
ED314	ASSESSMENT OF SKILLS FOR CHILDREN AND YOUTH WITH SPECIAL NEEDS	3	AS REQUIRED
ED442	SPECIAL EDUCATION LAW	3	AS REQUIRED/ ALL YEARS
ED446	INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM	3	FALL/SPRING/ ALL YEARS
ED457	BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION	3	AS REQUIRED/ ALL YEARS

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SECONDARY EDUCATION PROGRAM

PROSPECTUS

The Secondary Education Program is designed to prepare students for teaching careers in middle schools and senior high schools. Students seeking a degree in Secondary Education receive extensive training in professional education as well as preparation in a subject area(s). Students shall demonstrate their ability to teach in their respective teaching area(s).

This program provides pre-service courses and practical experiences at the undergraduate level. These practical experiences are embedded in diverse settings providing a well-rounded cultural experience.

The need for qualified teachers expands beyond the shores of Guam. There are many opportunities to be hired in the field of education locally, regionally, and nationally.

PROGRAM INFORMATION

- [Admission](#)
- [Advisement](#)
- [Grade Requirements](#)
- [Student Status \(Pre-Education or Teacher Candidate\)](#)
- [Student Teaching](#)
- [Learning Outcomes](#)

DEGREE REQUIREMENTS

SECONDARY EDUCATION PROGRAM REQUIREMENTS (124 CREDIT HOURS)

Credit Requirements for Secondary Education

Option A

- Subject Major
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 30-58
 - **Total Credit Hours - 124**

Option B

- Math
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 32
 - Electives - 9
 - **Total Credit Hours - 124**

- General Science
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 42-46
 - **Total Credit Hours - 124-129**
- Physical Education
 - General Education - 47
 - Professional Education - 30
 - Specialty Requirements - 47
 - **Total Credit Hours - 124**
- Fine Arts
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 36
 - Electives - 5
 - **Total Credit Hours - 124**
- Modern Language
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 30
 - Electives - 11
 - **Total Credit Hours - 124**
- Career and Technical - 47
 - General Education - 47
 - Professional Education - 36
 - Specialty Requirements - 30
 - Electives - 11
 - **Total Credit Hours - 124**

Note: All undergraduate students may take 100- and 200-level Education (ED) courses. Enrollment in 300- and 400-level Education courses requires [admission into the School of Education](#).

EMPHASIS OPTIONS

Two options are available to students majoring in Secondary Education. Students select the option that best relates to their future plans and previous experience.

An emphasis option is available in which certification in an added area is possible. Specialty areas must be selected from areas commonly taught in secondary schools.

OPTION A: SUBJECT MAJOR

Students selecting this option must complete 30-58 semester hours in a subject area as specified by another school of the University. This option stresses in-depth preparation in one subject area and leads to certification in one subject area. If choosing this area, the required credit hours will exceed the 124 credit requirement. The student's program must be approved by the [advisor of the Secondary Education Program](#).

General Education (47 credit hours)

Each student must fulfill the General Education requirements as listed in the [General Education Requirements](#).

Professional Education (36 credit hours)

Course	Course Title	Credits	Term Offered
ED110	INTRODUCTION TO TEACHING	3	FALL/SPRING/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
ED300	EDUCATIONAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
ED446	INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM	3	FALL/SPRING/ ALL YEARS
ED462	CONTENT AREA LITERACY	3	FALL ONLY/ ALL YEARS
ED463	CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY	3	SPRING ONLY/ ALL YEARS
ED489	EVALUATION	3	FALL/SPRING/ ALL YEARS
ED492	PRACTICUM IN STUDENT TEACHING	12	FALL/SPRING/ ALL YEARS

Course	Credits
ED	A Methods course based on or related to the major or area of specialty 3

Specialty Requirements (30-58 credit hours)

Specialty areas must be selected from areas commonly taught in secondary schools.

An "Emphasis Area" option is available in which certification in an added area is possible. The two (2)

options available to the student majoring in Secondary Education are Special Education and English as a Second Language. Students select the option that best relates to their future plans and previous experience.

OPTION B: ONE TEACHING AREA OF SPECIALTY

Students selecting this option must take a minimum of 30 specified hours in one teaching area identified below. Students receive preparation in a subject area beyond the minimum required for certification. Students should consult the Secondary Education Program description contained under the content area of their choice. This option is provided in order to meet the 124 credit hour requirement. Students must take the appropriate Content Test prior to student teaching. At present, the following emphasis areas make up the secondary Option "B" programs available:

Math Emphasis

General Education (47 credit hours)

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

Tier II: Direction Building

1) CF, DF, or UU as pre-requisite (can be within a declared major)

Course	Course Title	Credits	Term Offered
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS

2) DF or Major Exploration

Course	Course Title	Credits	Term Offered
MA161B	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS

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

Choose any course.

Tier III: Capstone Experience

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

Professional Education (36 credit hours)

Course	Course Title	Credits	Term Offered
ED110	INTRODUCTION TO TEACHING	3	FALL/SPRING/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
ED300	EDUCATIONAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
ED446	INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM	3	FALL/SPRING/ ALL YEARS
ED462	CONTENT AREA LITERACY	3	FALL ONLY/ ALL YEARS
ED463	CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY	3	SPRING ONLY/ ALL YEARS
ED489	EVALUATION	3	FALL/SPRING/ ALL YEARS
ED492	PRACTICUM IN STUDENT TEACHING	12	FALL/SPRING/ ALL YEARS

And:

Course	Credits
ED	A Methods course based on or related to the major or area of specialty 3

Specialization Requirements: Math Emphasis (32 credit hours)

Course	Course Title	Credits	Term Offered
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
MA205	MULTIVARIABLE CALCULUS	4	FALL/SPRING/ ALL YEARS
MA302	FOUNDATIONS OF HIGHER MATHEMATICS	3	SPRING ONLY/ ALL YEARS
MA341	LINEAR ALGEBRA	3	FALL/SPRING/ ALL YEARS
MA351	DISCRETE STRUCTURES	3	SPRING ONLY/ ALL YEARS
MA385	APPLIED STATISTICS	3	FALL/SPRING/ ALL YEARS
MA411	INTRODUCTION TO ABSTRACT ALGEBRA I	3	FALL ONLY/ ALL YEARS
MA421	INTRODUCTION TO ANALYSIS I	3	FALL ONLY/ ALL YEARS

Elective Courses (9 credit hours)

Students in the math emphasis must complete an additional 9 credit hours of coursework to meet the 124 credit requirement.

General Science Emphasis

General Education (47 credit hours)

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

Tier II: Direction Building

1) CF, DF, or UU as pre-requisite (can be within a declared major)

Course	Course Title	Credits	Term Offered
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS

2) DF or Major Exploration

Course	Course Title	Credits	Term Offered
BI100	ENVIRONMENTAL BIOLOGY	3	FALL/SPRING/ ALL YEARS
BI100L	ENVIRONMENTAL BIOLOGY LABORATORY	1	FALL/SPRING/ ALL YEARS

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

Choose any course.

Tier III: Capstone Experience

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

Professional Education (36 credit hours)

Course	Course Title	Credits	Term Offered
ED110	INTRODUCTION TO TEACHING	3	FALL/SPRING/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
ED300	EDUCATIONAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
ED446	INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM	3	FALL/SPRING/ ALL YEARS
ED462	CONTENT AREA LITERACY	3	FALL ONLY/ ALL YEARS
ED463	CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY	3	SPRING ONLY/ ALL YEARS
ED489	EVALUATION	3	FALL/SPRING/ ALL YEARS
ED492	PRACTICUM IN STUDENT TEACHING	12	FALL/SPRING/ ALL YEARS

And:

Course		Credit
ED	A Methods course based on or related to the major or area of specialty	3

Specialization Requirements: General Science
Emphasis (42-46 credit hours)

Select three complete sequences from the following:

Chemistry (8 credit hours)

Course	Course Title	Credits	Term Offered
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS

Physics (10 credits)

Course	Course Title	Credits	Term Offered
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS

Geology (8-11 credits)

One of the following sets:

Set 1:

Course	Course Title	Credits	Term Offered
NS110	INTRODUCTION TO THE EARTH	3	AS REQUIRED
NS110L	INTRODUCTION TO THE EARTH LABORATORY	1	AS REQUIRED
NS112	HISTORY OF THE EARTH	3	AS REQUIRED
NS112L	HISTORY OF THE EARTH LABORATORY	1	AS REQUIRED

Set 2:

Course	Course Title	Credits	Term Offered
NS101	INTRODUCTION TO PHYSICAL SCIENCE	3	AS REQUIRED
NS101L	INTRODUCTION TO PHYSICAL SCIENCE LABORATORY	1	AS REQUIRED
GE101	INTRODUCTION TO GEOGRAPHY	3	FALL/SPRING/ ALL YEARS
GE203	PRINCIPLES OF PHYSICAL GEOGRAPHY	4	SPRING ONLY/ ALL YEARS

Biology (9 credits)

Course	Course Title	Credits	Term Offered
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS

Course	Course Title	Credits
BI	Lab Teaching & Assisting	1

Elective Courses (16 credit hours)

The student may select a minimum of 16 upper-division credit hours from the [Chemistry \(CH\)](#) series, [Physics \(PH\)](#) series, [Natural Science \(NS\)](#) series, or [Biology \(BI\)](#) series of courses. Prerequisites must be observed. (Note: 40 credit hours of upper-division required. Will need upper-division General Education in order to meet this requirement.)

Physical Education/School Health (Grades 6–12) Emphasis

The Physical Education and School Health emphasis is designed to prepare teacher candidates at the undergraduate level for entry into the field of physical education and health for grades 6–12. Teacher candidates are prepared for teaching in local, regional, U.S. mainland, Department of Defense, and other schools where physical education and health are taught. Students will be able to demonstrate the ability to meet the NASPE (2014) standards.

General Education (47 credit hours)

To meet the university's General Education requirements, follow the **Student Advisement Sheet** to fulfill all necessary courses. Take the courses listed below to satisfy both the General Education requirement and the course requirements for this major.

Select one of the following math courses:

Course	Course Title	Credits	Term Offered
MA110	BASIC MATHEMATICAL APPLICATIONS	3	FALL/SPRING/ALL YEARS
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ALL YEARS
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ALL YEARS
MA165	PRECALCULUS	5	FALL/SPRING/ALL YEARS

Take the following courses:

Course	Course Title	Credits	Term Offered
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ALL YEARS
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ALL YEARS

Select one of the following:

Course	Course Title	Credits	Term Offered
HI211	HISTORY OF GUAM	3	FALL/SPRING/ALL YEARS
ED265	CULTURE AND EDUCATION IN GUAM	3	FALL/SPRING/ALL YEARS

Tier II: Direction Building

1) CF, DF, or UU as pre-requisite (can be within a declared major)

Course	Course Title	Credits	Term Offered
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ALL YEARS

2) DF or Major Exploration

Course	Course Title	Credits	Term Offered
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AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS
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3) DF Exploration outside major requirement (may apply to a minor or second major)

Course	Course Title	Credits	Term Offered
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HS200	HEALTH AND WELLNESS	3	FALL/SPRING/ ALL YEARS
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Tier III: Capstone Experience

Course	Course Title	Credits	Term Offered
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ED492	PRACTICUM IN STUDENT TEACHING	12	FALL/SPRING/ ALL YEARS
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Professional Education (30 credit hours)

Course	Course Title	Credits	Term Offered
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ED110	INTRODUCTION TO TEACHING	3	FALL/SPRING/ ALL YEARS
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ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
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ED300	EDUCATIONAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
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ED462	CONTENT AREA LITERACY	3	FALL ONLY/ ALL YEARS
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ED463	CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY	3	SPRING ONLY/ ALL YEARS
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ED489	EVALUATION	3	FALL/SPRING/ ALL YEARS
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ED492	PRACTICUM IN STUDENT TEACHING	12	FALL/SPRING/ ALL YEARS
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Recommended Elective

One of the following:

Course	Course Title	Credits	Term Offered
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ED271	TECHNOLOGY APPLICATIONS FOR EDUCATORS	3	FALL/SPRING/ ALL YEARS
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ED451	AUDIO VISUAL EDUCATION	3	FALL/SPRING/ ALL YEARS
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Specialization Requirements: Physical Education/School Health Emphasis (47 credit hours)

Course	Course Title	Credits	Term Offered
PE117	FOLK, SQUARE, AND SOCIAL DANCE	3	FALL ONLY/ ODD YEARS
PE118	OUTDOOR PURSUITS AND RACQUET SPORTS	3	SPRING ONLY/ EVEN YEARS
PE124	INDOOR INDIVIDUAL SPORTS	3	FALL ONLY/ ODD YEARS
PE126	OUTDOOR TEAM SPORTS	3	SPRING ONLY/ ODD YEARS
PE127	INTRODUCTION TO TUMBLING AND RHYTHMIC GYMNASTICS	2	SPRING ONLY/ EVEN YEARS
PE212	MOTOR LEARNING	3	FALL ONLY/ ODD YEARS
PE214	COMMUNITY HEALTH FOR EDUCATORS	3	FALL ONLY/ EVEN YEARS
PE220	INDOOR TEAM SPORTS	3	FALL ONLY/ EVEN YEARS
PE305	HISTORICAL AND PHILOSOPHICAL FOUNDATIONS OF PHYSICAL EDUCATION	3	FALL ONLY/ EVEN YEARS
PE312	SCHOOL HEALTH	3	SPRING ONLY/ ODD YEARS
HS322	KINESIOLOGY	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
HS324	EXERCISE PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
PE352	METHODS OF TEACHING ELEMENTARY PHYSICAL EDUCATION	3	FALL ONLY/ ALL YEARS
PE353	METHODS OF TEACHING MIDDLE AND HIGH SCHOOL HEALTH AND PHYSICAL EDUCATION	3	SPRING ONLY/ ALL YEARS
HS355	HUMAN SEXUALITY	3	SPRING ONLY/ ALL YEARS
PE454	ADAPTED AND DEVELOPMENTAL PHYSICAL EDUCATION	3	SPRING ONLY/ ODD YEARS

Fine Arts: Music or Art Emphasis

Students must be proficient enough in the fine arts to pass the Praxis II content test in Music or Art or its equivalent as determined by the School of Education and Commission for Educator Certification.

General Education (47 credit hours)

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

Tier II: Direction Building

1) CF, DF, or UU as pre-requisite (can be within a declared major)

Course	Course Title	Credits	Term Offered
FA231	SURVEY OF THE ARTS	3	FALL ONLY/ ALL YEARS

2) DF or Major Exploration

For a Fine Arts emphasis in **Music**, choose one of the following:

Course	Course Title	Credits	Term Offered
MU104	UNIVERSITY SINGERS	1	FALL/SPRING/ ALL YEARS
MU105	BAND	1	FALL/SPRING/ ALL YEARS
MU106	INTRODUCTION TO MUSIC	3	FALL/SPRING/ ALL YEARS

For a Fine Arts emphasis in **Art**, take:

Course	Course Title	Credits	Term Offered
AR103	DRAWING I	3	FALL/SPRING/ ALL YEARS

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

Choose any course.

Tier III: Capstone Experience

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

Professional Education (36 credit hours)

Course	Course Title	Credits	Term Offered
ED110	INTRODUCTION TO TEACHING	3	FALL/SPRING/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
ED300	EDUCATIONAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
ED446	INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM	3	FALL/SPRING/ ALL YEARS
ED462	CONTENT AREA LITERACY	3	FALL ONLY/ ALL YEARS
ED463	CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY	3	SPRING ONLY/ ALL YEARS
ED489	EVALUATION	3	FALL/SPRING/ ALL YEARS
ED492	PRACTICUM IN STUDENT TEACHING	12	FALL/SPRING/ ALL YEARS

And:

Course	Credits
ED	A Methods course based on or related to the major or area of specialty 3

Specialty Requirements: Fine Arts Emphasis (36 credit hours)

Students should use the requirements for the [Art Track Minor](#) or [Music Track Minor](#) as their guide when selecting required courses. Students must be proficient enough in the fine arts to pass the Praxis II content test in Music or Art or its equivalent as determined by the SOE and Commission for Educator Certification.

Elective Courses (5 credit hours)

Students in the Fine Arts emphasis must complete an additional 5 credit hours of coursework to meet the 124 credit requirement. Elective courses should help prepare the student for the required Praxis Subject Assessments. Please see [program advisor](#).

Modern Language: Japanese Emphasis

General Education (47 credit hours)

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

Professional Education (36 credit hours)

Course	Course Title	Credits	Term Offered
ED110	INTRODUCTION TO TEACHING	3	FALL/SPRING/ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ALL YEARS
ED300	EDUCATIONAL PSYCHOLOGY	3	FALL/SPRING/ALL YEARS
ED446	INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM	3	FALL/SPRING/ALL YEARS
ED462	CONTENT AREA LITERACY	3	FALL ONLY/ALL YEARS
ED463	CLASSROOM MANAGEMENT FOR A DIVERSE SCHOOL AND SOCIETY	3	SPRING ONLY/ALL YEARS
ED489	EVALUATION	3	FALL/SPRING/ALL YEARS
ED492	PRACTICUM IN STUDENT TEACHING	12	FALL/SPRING/ALL YEARS

And:

Course	Credits
ED	A Methods course based on or related to the major or area of specialty 3

Specialty Requirements: Modern Language Emphasis (30 credit hours)

1) Japanese language courses (20 credits beyond JA-101 from any of the following):

Course	Course Title	Credits	Term Offered
JA102	ELEMENTARY JAPANESE II	4	FALL/SPRING/ ALL YEARS
JA201	INTERMEDIATE JAPANESE I	4	FALL ONLY/ EVEN YEARS
JA202	INTERMEDIATE JAPANESE II	4	SPRING ONLY/ ODD YEARS
JA301	THIRD YEAR JAPANESE I	4	FALL ONLY/ ODD YEARS
JA302	THIRD YEAR JAPANESE II	4	SPRING ONLY/ EVEN YEARS
JA401	FOURTH YEAR JAPANESE I	4	AS REQUIRED
JA402	FOURTH YEAR JAPANESE II	4	AS REQUIRED

2) Japanese culture course

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

3) Teaching assistant (choose one of the following):

Course	Course Description	Credits
JA-392*	Practicum	1
JA-492*	Practicum	1

*Students must make special arrangements with their advisor for these courses.

Elective Courses (11 credit hours)

Students in the Modern Language emphasis must complete an additional 11 credit hours of coursework to meet the 124 credit requirement.

Career and Technical Education with Emphasis Areas

This Option B is to prepare students for career and technical teaching careers in senior high schools and higher education. Students seeking a degree in Secondary Education with an Option B in a career and technical specialty receive extensive preparation in professional education as well as training in their specialty.

Candidates will transfer 30 credits of approved skill course credits to the University of Guam (from accredited institutions) and will complete the University and School of Education requirements in the areas of General Education (47 credit hours), Professional Education (36 credit hours), and Field Requirements for the bachelor’s degree. All programs must be approved by the program coordinator. (Note: 40 credit hours of upper division required. Will need upper division General Education in order to meet this requirement.)

SPECIALIZATIONS

SECONDARY EDUCATION SPECIALIZATION OPTIONS

Education majors may opt to add a specialization to their degree. The specialization courses are designed to provide students with a fundamental understanding of a specific group of learners. They also satisfy some of the UOG prerequisite requirements toward admission into the Master of Education degree in that area.

English as a Second Language (ESL) (15 credit hours)

The specialization in ESL is designed for pre-service and in-service teachers who wish to teach English as a Second Language (ESL) at the elementary or secondary level. The courses are designed to prepare students in the specialization to work with second-language learners, both in mainstream classes and in pullout ESL courses.

The program includes methods and strategies for promoting success in English as well as content courses for K–12 learners. Issues such as bilingualism, second language acquisition, needs of non-native English-speaking children, and culture will be addressed throughout the five specialization courses. Students will be expected to become familiar with the rules of English grammar.

This specialization also serves as an entry for students hoping to pursue careers teaching ESL abroad.

Course	Course Title	Credits	Term Offered
ED280	INTRODUCTION TO BILINGUALISM/ BICULTURALISM	3	FALL ONLY/ ALL YEARS
ED385A	STRUCTURE OF THE LANGUAGE	3	FALL ONLY/ ALL YEARS
ED480	SECOND LANGUAGE CURRICULUM AND MATERIALS DEVELOPMENT	3	AS REQUIRED/ ALL YEARS
ED481	SECOND LANGUAGE TEACHING METHODOLOGY	3	AS REQUIRED/ ALL YEARS
ED482	WORKING WITH SECOND LANGUAGE LEARNERS	3	AS REQUIRED/ ALL YEARS

Special Education (15 credit hours)

This specialization is designed to prepare students for entry into the field of human services for exceptional individuals with specific emphasis areas in teaching exceptional learners. It is generic and provides basic teaching knowledge and skills applicable to individuals with disabilities.

Course	Course Title	Credits	Term Offered
ED310	REMEDIATION OF INDIVIDUALS WITH LEARNING DISABILITIES/ BEHAVIOR DISORDERS	3	AS REQUIRED
ED314	ASSESSMENT OF SKILLS FOR CHILDREN AND YOUTH WITH SPECIAL NEEDS	3	AS REQUIRED
ED442	SPECIAL EDUCATION LAW	3	AS REQUIRED/ ALL YEARS
ED446	INCLUDING CHILDREN WITH DISABILITIES IN THE REGULAR CLASSROOM	3	FALL/SPRING/ ALL YEARS
ED457	BEHAVIOR MANAGEMENT IN SPECIAL EDUCATION	3	AS REQUIRED/ ALL YEARS

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SCHOOL OF ENGINEERING

CIVIL ENGINEERING PROGRAM

OVERVIEW

PROSPECTUS

The Field

Civil engineering is the oldest branch of engineering and plays a major role in developing a society and civilization.

Relevance and Demand

The need for civil engineers in Guam and the region is projected to remain strong over the next five to 10 years in support of the Marines relocation and general construction demand as infrastructure ages. Civil engineers will be needed to manage projects to rebuild bridges, repair roads, and upgrade levees and dams.

UOG's School of Engineering offers a Bachelor of Science in Civil Engineering to meet the needs of local students and the workforce requirements of Guam and all of Micronesia and the neighboring regions of the Pacific and Asia.

Why UOG?

Students from the Pacific region enrolled in UOG's Civil Engineering Program will benefit from being able to study close to home and at a substantial savings compared to schools in other states or countries.

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

Career Possibilities

UOG Civil Engineering graduates will be valuable for Guam construction companies, consulting companies, municipalities, Guam Department of Public Works, Guam

Environmental Protection Agency, and more. Graduates will be primarily involved with the analysis, design, and development of structural systems, construction projects, transportation projects, environmental treatment facilities, and project management.

LEARNING OUTCOMES

Students completing the Civil Engineering Program will have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics;
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare as well as global, cultural, social, environmental, and economic factors;
3. an ability to communicate effectively with a range of audiences;
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts;
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives;
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions;
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

DEGREE REQUIREMENTS

GRADUATION REQUIREMENTS

The University will confer a bachelor’s degree when the following conditions have been met:

- The faculty of the School of Engineering recommends the student for degree completion.
- The dean certifies that all requirements of the degree being sought have been completed.
- The student completes a minimum of 126 credit hours in acceptable coursework.
- The student meets the residency requirement.
- The student completes a minimum of 30 credit hours at the School of Engineering at the junior or senior level. These credits must include the design project, CEE-404 and CEE-405. Exceptions (normally not to exceed six hours) may be made in advance by the dean.
- The requirements of the core curriculum and the CE Program must be satisfied.
- The student holds a cumulative GPA of 2.0 or higher.
- Transfer credits in civil engineering and other technical areas are evaluated by the faculty of the Department of Civil Engineering. Transfer students can be awarded transfer credits for courses with a “C” grade or better and then only for courses that are applicable toward the Bachelor of Science in Civil Engineering curriculum.
- The student holds a 2.0 average GPA in all CEE courses
- The student meets the grade requirements for major, engineering courses, and course sequences established by the School of Engineering.

PROGRAM REQUIREMENTS (127 CREDIT HOURS)

Description	Credit Hours
Mathematics	13
Sciences	20

Description	Credit Hours
General Engineering, Computer Science	8
Humanities and Social Sciences	30
Civil Engineering	56
Total Credit Hours	127

General Education (47 credit hours)

Students must complete the [General Education requirements](#) listed in this catalog. Some of these courses are also Civil Engineering program requirements and may be applied toward both sets of requirements. Consult your [SENG academic advisor or major advisor](#) for recommendations that may count toward both General Education and major requirements.

Mathematics (13 credit hours)

Course	Course Title	Credits	Term Offered
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS
MA204	CALCULUS II	5	FALL/SPRING/ ALL YEARS
MA301	DIFFERENTIAL EQUATIONS	3	SPRING ONLY/ ALL YEARS

Sciences (20 credit hours)

Course	Course Title	Credits	Term Offered
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
NS110	INTRODUCTION TO THE EARTH	3	AS REQUIRED
NS110L	INTRODUCTION TO THE EARTH LABORATORY	1	AS REQUIRED

Description	Credits
General Education Tier II Direction Building	3

General Engineering, Computer Science (8 credit hours)

Course	Course Title	Credits	Term Offered
CEE100	ENGINEERING ORIENTATION	1	FALL/SPRING/ ALL YEARS
CEE101	ENGINEERING GRAPHICS	3	FALL/SPRING/ ALL YEARS
CS201	PROGRAMMING I	4	FALL/SPRING/ ALL YEARS

Humanities and Social Sciences (30 credits)

Course	Course Title	Credits	Term Offered
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS
CT101	CRITICAL THINKING	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS

Description	Credits
General Education Tier II Humanities and Social Sciences	12
General Education Uniquely UOG	6

Civil Engineering (56 credit hours)

Course	Course Title	Credits	Term Offered
CEE201	ENGINEERING STATICS	3	FALL/SPRING/ ALL YEARS
CEE202	ENGINEERING DYNAMICS	3	FALL/SPRING/ ALL YEARS
CEE203	MECHANICS OF MATERIALS	3	FALL/SPRING/ ALL YEARS
CEE204	MECHANICS OF FLUIDS	3	FALL ONLY/ ALL YEARS
CEE301	STRUCTURAL ANALYSIS	3	FALL ONLY/ ALL YEARS
CEE302	ENGINEERING HYDRAULICS	3	SPRING ONLY/ ALL YEARS
CEE302L	ENGINEERING HYDRAULICS LAB	1	SPRING ONLY/ ALL YEARS
CEE303	GEOTECHNICAL ENGINEERING	3	FALL ONLY/ ALL YEARS
CEE303L	GEOTECHNICAL ENGINEERING LABORATORY	1	FALL ONLY/ ALL YEARS
CEE304	CIVIL ENGINEERING MATERIALS	3	FALL ONLY/ ALL YEARS
CEE304L	CIVIL ENGINEERING MATERIALS LABORATORY	1	FALL ONLY/ ALL YEARS
CEE305	EARTH STRUCTURES DESIGN	3	SPRING ONLY/ ALL YEARS
CEE306	REINFORCED CONCRETE STRUCTURES DESIGN	3	SPRING ONLY/ ALL YEARS
CEE307	INTRODUCTION TO	3	SPRING ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
	ENVIRONMENTAL ENGINEERING		
CEE308L	INTRO TO SURVEYING AND LAB	3	SPRING ONLY/ ALL YEARS
CEE401	STEEL STRUCTURES DESIGN	3	FALL ONLY/ ALL YEARS
CEE402	FOUNDATION ENGINEERING	3	FALL ONLY/ ALL YEARS
CEE403	FUNDAMENTAL OF TRANSPORTATION ENGINEERING	3	SPRING ONLY/ ALL YEARS
CEE404	CIVIL ENGINEERING DESIGN I	2	FALL ONLY/ ALL YEARS
CEE405	CIVIL ENGINEERING DESIGN II	2	SPRING ONLY/ ALL YEARS
CEE406	INTRODUCTION TO CONSTRUCTION MANAGEMENT	3	SPRING ONLY/ ALL YEARS
CEE407	CIVIL ENGINEERING PROFESSION	1	SPRING ONLY/ ALL YEARS

Note: CEE-201 Course may apply to **General Education requirements.*

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MARGARET PEREZ HATTORI-UCHIMA SCHOOL OF HEALTH

HEALTH SCIENCE PROGRAM

PROSPECTUS

The Health Science Program provides students with an overview of the knowledge and research of health and the application to health improvement, including the prevention and treatment of human diseases and other poor health outcomes. This program offers three concentrations: Exercise Science & Health Promotion, Pre-Physical Therapy, and Public Health.

Relevance and Demand

The Health Science Program is necessary in providing a mass of health professionals needed to address the chronic and emerging infectious disease epidemic in Guam and neighboring islands in Micronesia.

The goal of this program is to prepare students for graduate studies in health science or for health professions where they will be involved in the identification, evaluation, treatment, and prevention of diseases and injuries; educating the public on prevention and self-management for healthy lifestyles; and designing, implementing, and evaluating programs necessary for promoting general wellness.

Career and Post-Graduate Possibilities

This degree will help prepare students for entry-level positions within the health and wellness industries, for entry into health research careers, or for entry into graduate or related professional programs. Concentration-specific options are described below.

Why UOG?

The Health Science Program at UOG provides training and internship opportunities relevant to Pacific Islanders and found only in Micronesia.

LEARNING OUTCOMES

Students in the Health Science degree program will demonstrate the following outcomes:

- Behavior change skills and health promotion competencies
- The ability to critically analyze information relative to health and disease/injury prevention
- The ability to understand and apply scientific principles and methods
- Written and verbal capabilities
- The ability to work cooperatively in groups
- The ability to identify problems and arrive at solutions.

CONCENTRATIONS

HEALTH SCIENCE CONCENTRATIONS

Pre-Physical Therapy

The concentration in Pre-Physical Therapy provides students with preparation for competitive entry into off-island programs leading to a Doctor of Physical Therapy (DPT). This option places a strong emphasis on physical and biological sciences as well as application knowledge. A six-credit internship is required, which consists of 300 hours of service in a selected setting, such as a hospital, an extended care facility, or a private clinic in which the student has an opportunity to use skills and knowledge under the supervision of a physical therapist. Students should recognize that this program does not automatically lead to entry into a physical therapy program at the

doctoral level. Entry into these programs is competitively based upon experience and grades. The requirements for this concentration are based on the recommendations of the American Physical Therapy Association.

Exercise Science & Health Promotion

The professional concentration in Exercise Science and Health Promotion provides preparation for students desiring employment in the growing health promotion field and/or graduate studies in exercise science, health education, and related fields. The curriculum places an emphasis on exercise, nutrition, and healthy lifestyle. Students may use this concentration to prepare for certification as a Certified Personal Trainer or Clinical Exercise Specialist through the American College of Sports Medicine. Students should recognize that this program does not automatically lead to these certifications. Interested students are encouraged to meet with an advisor to discuss eligibility requirements. This concentration also requires students to take a 300- hour internship in a professional setting, such as community health agencies, Guam Memorial Hospital, or various wellness clinics or fitness centers.

Public Health

The professional concentration in Public Health is designed to provide students the opportunity to work as public health professionals and/or to enter into a Master of Public Health degree program. The curriculum offers courses related to the five core areas of public health (epidemiology, biostatistics, environmental health, health policy management, and social and behavioral sciences).

Students specializing in this concentration may select one of the following options:

- Minor in Health Services Administration
- Minor in Nutrition
- Emphasis in Social and Behavioral Sciences
- Qualification for the Registered Environmental
- Health Specialist/Registered Sanitarian (REHS/RS) Exam

Students should recognize that this program does not automatically lead to the REHS/RS certification. Students interested in this certification must meet with an advisor to discuss eligibility requirements.

This concentration also requires students to take a 300-hour internship in a professional setting, such as community health agencies, the Department of Public Health & Social Services, the Guam Environmental Protection Agency, or various private groups that participate in services related to public health.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

PRE-PHYSICAL THERAPY CONCENTRATION (124 CREDIT HOURS)

Description	Credit
General Education	28
Core Requirements	41
Concentration Requirements	55
Total Credit Hours	124

Core Requirements (41 Credit Hours)

Course	Course Title	Credits	Term Offered
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS
HS200	HEALTH AND WELLNESS	3	FALL/SPRING/ ALL YEARS
HS216	INTRODUCTION TO PUBLIC HEALTH	3	FALL ONLY/ ALL YEARS
HS405	EPIDEMIOLOGY	3	FALL/SPRING/ ALL YEARS
HS405G	EPIDEMIOLOGY	3	FALL/SPRING/ ALL YEARS
HS416	RESEARCH IN NURSING AND HEALTH SCIENCES	3	FALL ONLY/ ALL YEARS
HS498	INTERNSHIP IN HEALTH SCIENCES	6	FALL/SPRING/ ALL YEARS
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
NU112	MEDICAL TERMINOLOGY	2	FALL/SPRING/ ALL YEARS
NU344	AGING: MYTH AND REALITIES	3	FALL ONLY/ ALL YEARS

Concentration Requirements (55 credit hours)

Course	Course Title	Credits	Term Offered
BI157	PRINCIPLES OF BIOLOGY I	3	SPRING ONLY/ ALL YEARS
BI157L	PRINCIPLES OF BIOLOGY I LABORATORY	1	SPRING ONLY/ ALL YEARS
BI158	PRINCIPLES OF BIOLOGY II	3	FALL ONLY/ ALL YEARS
BI158L	PRINCIPLES OF BIOLOGY II LABORATORY	1	FALL ONLY/ ALL YEARS
CH102	GENERAL CHEMISTRY	3	FALL ONLY/ ALL YEARS
CH102L	GENERAL CHEMISTRY LABORATORY	1	FALL ONLY/ ALL YEARS
CH103	GENERAL CHEMISTRY	3	SPRING ONLY/ ALL YEARS
CH103L	GENERAL CHEMISTRY LABORATORY	1	SPRING ONLY/ ALL YEARS
HS322	KINESIOLOGY	3	FALL ONLY/ ALL YEARS
HS324	EXERCISE PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
HS350	TEST AND MEASUREMENT IN HUMAN PERFORMANCE	3	SPRING ONLY/ ALL YEARS
HS451	RESEARCH AND REPORT WRITING	3	SPRING ONLY/ ALL YEARS
MA203	CALCULUS I	5	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
PH210	INTRODUCTORY PHYSICS LABORATORY	1	FALL ONLY/ ALL YEARS
PH211	INTRODUCTORY PHYSICS LABORATORY	1	SPRING ONLY/ ALL YEARS
PH251	UNIVERSITY PHYSICS	4	FALL ONLY/ ALL YEARS
PH252	UNIVERSITY PHYSICS	4	SPRING ONLY/ ALL YEARS
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
PY420	ABNORMAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
HS491	CURRENT TOPICS IN HEALTH SCIENCES	3	FALL/SPRING/ ALL YEARS

*6 credits of HS491 or upper division, advisor-approved BI/CH/PY/SO courses

EXERCISE SCIENCE & HEALTH PROMOTION CONCENTRATION (124 CREDIT HOURS)

Description	Credits
General Education	32
Core Requirements	41
Concentration Requirements	51

Description	Credits
Total Credit Hours	124

Core Requirements (41 credit hours)

Course	Course Title	Credits	Term Offered
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS
HS200	HEALTH AND WELLNESS	3	FALL/SPRING/ ALL YEARS
HS216	INTRODUCTION TO PUBLIC HEALTH	3	FALL ONLY/ ALL YEARS
HS405	EPIDEMIOLOGY	3	FALL/SPRING/ ALL YEARS
HS405G	EPIDEMIOLOGY	3	FALL/SPRING/ ALL YEARS
HS416	RESEARCH IN NURSING AND HEALTH SCIENCES	3	FALL ONLY/ ALL YEARS
HS498	INTERNSHIP IN HEALTH SCIENCES	6	FALL/SPRING/ ALL YEARS
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
NU112	MEDICAL TERMINOLOGY	2	FALL/SPRING/ ALL YEARS
NU344	AGING: MYTH AND REALITIES	3	FALL ONLY/ ALL YEARS

Concentration Requirements (51 credit hours)

Course	Course Title	Credits	Term Offered
AL330	NUTRITION THROUGHOUT THE LIFESPAN	3	FALL ONLY/ ALL YEARS
AL335	NUTRITION FOR HEALTH, FITNESS AND SPORT	3	SPRING ONLY/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
HS104	CONDITIONING AND FITNESS	1	FALL/SPRING/ ALL YEARS
HS105	STRENGTH TRAINING	1	FALL/SPRING/ ALL YEARS
HS106	AEROBIC DANCE	1	FALL/SPRING/ ALL YEARS
HS210	HUMAN BIOLOGY AND BEHAVIOR	3	FALL ONLY/ ALL YEARS
HS322	KINESIOLOGY	3	FALL ONLY/ ALL YEARS
HS324	EXERCISE PHYSIOLOGY	3	SPRING ONLY/ ALL YEARS
HS350	TEST AND MEASUREMENT IN HUMAN PERFORMANCE	3	SPRING ONLY/ ALL YEARS
HS355	HUMAN SEXUALITY	3	SPRING ONLY/ ALL YEARS
HS451	RESEARCH AND REPORT WRITING	3	SPRING ONLY/ ALL YEARS
HS491	CURRENT TOPICS IN HEALTH SCIENCES	3	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
PA206	PUBLIC HEALTH AND DISEASE MANAGEMENT	3	FALL ONLY/ ALL YEARS
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS

Course	Credit Hours
Advisor-approved HS/BI/CH/ CF/PE/PH/PY/SO courses	At least 9

PUBLIC HEALTH CONCENTRATION (124-125 CREDIT HOURS)

Decription	Credits
General Education	25
Core Requirements	41
Concentration Requirements	55-56
Advisor-Approved Elective	3
Total Credit Hours	124-125

Core Requirements (41 credit hours)

Course	Course Title	Credits	Term Offered
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS
HS200	HEALTH AND WELLNESS	3	FALL/SPRING/ ALL YEARS
HS216	INTRODUCTION TO PUBLIC HEALTH	3	FALL ONLY/ ALL YEARS
HS405	EPIDEMIOLOGY	3	FALL/SPRING/ ALL YEARS
HS405G	EPIDEMIOLOGY	3	FALL/SPRING/ ALL YEARS
HS416	RESEARCH IN NURSING AND HEALTH SCIENCES	3	FALL ONLY/ ALL YEARS
HS498	INTERNSHIP IN HEALTH SCIENCES	6	FALL/SPRING/ ALL YEARS
MA161A	COLLEGE ALGEBRA AND TRIGONOMETRY	3	FALL/SPRING/ ALL YEARS
MA387	STATISTICS FOR SCIENCES	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
MA387L	STATISTICS FOR SCIENCE LABORATORY	1	FALL ONLY/ ALL YEARS
NU112	MEDICAL TERMINOLOGY	2	FALL/SPRING/ ALL YEARS
NU344	AGING: MYTH AND REALITIES	3	FALL ONLY/ ALL YEARS

Concentration Requirements (55-56 credit hours)

Course	Course Title	Credits	Term Offered
BI100	ENVIRONMENTAL BIOLOGY	3	FALL/SPRING/ ALL YEARS
BI100L	ENVIRONMENTAL BIOLOGY LABORATORY	1	FALL/SPRING/ ALL YEARS
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
AL389	EXTENSION PROGRAMS & PLANNING	3	SPRING ONLY/ ALL YEARS
CH100	INTRODUCTION TO INORGANIC CHEMISTRY	3	FALL/SPRING/ ALL YEARS
CH100L	INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY	1	FALL/SPRING/ ALL YEARS
CH101	INTRODUCTION TO ORGANIC CHEMISTRY	3	FALL/SPRING/ ALL YEARS
CH101L	INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY	1	FALL/SPRING/ ALL YEARS
HS210	HUMAN BIOLOGY AND BEHAVIOR	3	FALL ONLY/ ALL YEARS
HS355	HUMAN SEXUALITY	3	SPRING ONLY/ ALL YEARS
HS451	RESEARCH AND REPORT WRITING	3	SPRING ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
HS491	CURRENT TOPICS IN HEALTH SCIENCES	3	FALL/SPRING/ ALL YEARS
PA206	PUBLIC HEALTH AND DISEASE MANAGEMENT	3	FALL ONLY/ ALL YEARS
SO101	INTRODUCTION TO SOCIOLOGY	3	FALL/SPRING/ ALL YEARS

Plus one of these four options:

Option	Credits
Minor in Health Services	15
Minor in Nutrition	16
Social/Behavioral Emphasis	15
Environmental Health Emphasis	15

Note: All students must meet with an advisor to discuss the appropriate courses for each option.

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NURSING PROGRAM

PROSPECTUS

Graduates of this program are prepared to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN), enabling them to apply for a nursing license. The program is approved by the Guam Board of Nurse Examiners and accredited by the Accreditation Commission for Education in Nursing Inc. (ACEN). The NCLEX pass rates within the program for the May 2016, 2017, and 2018 graduating cohorts was 100%. This is well above the U.S. national average for BSN programs. Our graduates are able to obtain employment in a variety of health care settings and are prepared for education beyond the BSN level. Our students receive a high-quality education from a dedicated faculty and staff.

PHILOSOPHY

The philosophy of the Nursing Program supports the mission and goals of the Margaret Perez Hattori-Uchima School of Health and the University of Guam in the commitment to the people of the Western Pacific. The philosophy of the Nursing Program blends the four major concepts of man, environment, health, and nursing with its educational purpose. The philosophy reflects the values and beliefs of the faculty and is the foundation of the nursing curriculum:

Man has an inherent creative drive toward higher and more positive levels of existence and self-actualization and that caring provides the energy that compels this positive impetus. Man makes his own life choices within those available to him and is therefore accountable for the consequences of these choices. Individual aspirations and personal accountability for one's own actions make man unique.

Promoting optimum health and wellness is the purpose of all nursing behavior. Health is determined by the ability of the individual, family, group, or community to set personally meaningful and realistic goals, and to mobilize energy resources to attain these goals efficiently. This is accomplished while caring for and about self and others,

helping others feel good about themselves, and with the fewest possible negative effects on the environment.

PROGRAM MISSION

The Bachelor of Science in Nursing Program is committed to the mission of a land-grant university serving the people of Guam and the Western Pacific Island communities. The mission of the Bachelor of Science in Nursing Program is threefold

1. To offer professional nursing education to the culturally and academically diverse population of the region. To realize this mission, the nursing program provides undergraduate studies in nursing to: non-nurses, licensed nurses, and graduate nurses; implements, evaluates, and refines the curriculum to produce culturally competent, caring nurses who think creatively and critically and meet national professional nursing standards.
2. To increase the body of nursing knowledge through research and creative endeavors. To realize this mission, the nursing programs encourages faculty and students to participate in research, projects, programs, and advanced study and to conduct and disseminate findings of research and health-related projects.
3. To serve culturally diverse people and health care providers of the region. To realize this mission, the nursing program offers continuing education and consultation locally and through distance technology and provides leadership to raise standards, enhance health and well-being, and promote collegiality between providers.

LEARNING OUTCOMES

The Nursing curriculum is founded on a philosophy designed to enhance a person's ability to make decisions toward maintaining optimum health. The student learning outcomes or characteristics of the graduate are derived

from the philosophy and mission of the program. The program accomplishes its educational and related purposes when the graduate demonstrates the following outcomes based on the program's 10 core concepts

1. Caring: Fosters and implements caring behaviors in technologically diverse settings
2. Ethical and Legal: Uses legal and ethical principles in nursing practice
3. Management: Manages nursing care in collaboration with the client and others on the health care team
4. Nursing Process: Uses the nursing process to provide holistic care and empowers clients to attain optimal wellness
5. Research: Identifies research problems, participates in research activities and applies research findings to nursing practice
6. Professionalism: Demonstrates self-directed learning in the lifelong quest for personal and professional growth
7. Creative and Critical Thinking: Uses creative and critical thinking in applying theoretical knowledge to nursing practice
8. Cultural Competence: Demonstrates cultural competence while promoting, maintaining and restoring health
9. Communication: Communicates effectively in private and in public, by written, verbal and nonverbal means
10. Leadership: Provides leadership in nursing by addressing issues and trends that affect health care.

ADMISSION REQUIREMENTS

There are two entrance levels in the baccalaureate degree nursing programs: Pre-nursing and Nursing. Any regularly enrolled University of Guam student may apply for acceptance to the nursing program. Application packets are available at the school's administrative office (HS 100). Upon receipt of all necessary documents, the Nursing Admissions & Academic Standards Committee reviews applications and notifies applicants by letter of their acceptance or non-acceptance to the nursing program.

- Acceptance to Pre-nursing Level Students in the Pre-nursing major are those who have not yet completed prerequisite courses and English

competency requirements (California Reading Test) for enrollment in NU-202B. Pre-nursing students who are approaching the Nursing level enrollment must submit a letter of request for admission to the Nursing major. The letter with accompanying academic information is submitted to the Nursing Admissions & Academic Standards Committee. Refer to the admission policy and procedures in the Nursing Program Manual.

- Admission to Nursing Level Students in the Nursing major are those who have completed prerequisite courses and met admissions criteria including a GPA of 2.7 or higher and are ready to enroll in NU-202B and subsequent courses. Refer to the admission policy and procedures in the Nursing Program Manual for the admission criteria.

Based on their preferences and past academic records, second-degree students may be accepted into the BSN program tracks. Students with advanced medical degrees may request an evaluation for acceleration into the BSN program. Refer to admission policies and procedures for second step BSN or second-degree students in the Nursing Program Manual.

NURSING PROGRAM POLICIES

Refer to the Nursing Program Manual for policies and procedures about admission, course sequences, advisement, priority enrollment, student petition and appeals, repeating nursing courses, probation, suspension, and academic integrity. Nursing Program Policies supersede UOG policies on grading, probation, suspension, and dismissal. Refer to University of Guam Academic Rules and Regulations for policies and procedures about Out-of-Sequence, Withdrawal, Re-admission, and Dismissal, and Student Rights and Responsibilities.

- **Grades**

In order to remain in good standing in the nursing program, students must maintain a cumulative GPA of 2.7 or better in all nursing courses and all required support courses. All prerequisites must be met before progression in the program.

- **Transportation**

Students are responsible for reliable transportation so that attendance requirements for class and clinical work can be met. Students must be able to drive to a

variety of community-based settings during the senior-year practicum courses.

- **Out-of-Sequence Students**

An out-of-sequence student is one who is not following the recommended sequence of nursing courses within the recommended time frame. Students may be out-of-sequence for any of the following reasons: part time study, transfer, failure of a nursing or required support course, withdrawal from a nursing or required course, or returning students.

ADVISEMENT

The Nursing Admissions & Academic Standards Committee appoints a faculty advisor to students accepted to the Nursing Program. The advisor is named in the letter of acceptance. Usually that relationship continues until the student graduates, withdraws, or changes majors within the University. Students who are taking courses toward nursing as a major and have not been accepted to the program will be advised by a designated nursing faculty advisor. Students should go the SNHS Administrative Office (HS 100) for information.

Nursing students must meet with their advisor for clearance to register for future courses. They are encouraged to meet with their advisor on a regular basis throughout the semester.

TRACKS

GENERIC BSN TRACK

This nursing program is designed for students who wish to pursue a nursing degree. It is a four-year professional nursing program of study leading to a Bachelor of Science in Nursing with eligibility to take the national examination for licensure as a registered nurse. Students must meet the following admission criteria

1. Graduation from high school or possession of a General Education Diploma (GED) equivalent or a practical nursing program, with a cumulative GPA of 2.7 or better.

2. Completion of high school chemistry (one year), biology (one year), and algebra and geometry (one year).
3. Admission to the University of Guam.
4. Submission of transcripts for evaluation by the University registrar of all previous coursework taken at other educational institutions. (Unofficial college transcripts may be submitted to the Nursing Program for unofficial evaluation.)
5. Application to the Nursing Program.
6. Disclosure of any misdemeanor conviction.
7. Misdemeanor convictions disclosed will be referred to AASC.
8. No felony convictions.

SECOND-STEP BSN TRACK

The Second-Step BSN track is designed for nurse graduates of diploma or associate degree programs. Its purpose is to expand the breadth and depth of basic nursing knowledge and promote leadership in community, mental health, school health, and nursing research. The program is designed to meet the needs of the more mature, employed student. Students must meet the following admission criteria

1. Be admitted to UOG
2. Apply and be accepted at the pre-nursing level of the BSN Program. (Refer to Admission Process – Generic BSN.)
3. Pass the California Reading Test with a score of 12.0 or better
4. Provide evidence of completion of an ADN Program
5. Provide a copy of current nursing license
6. Meet all pre-requisite course and GPA requirements of the BSN Program
7. Disclosure of any misdemeanor conviction
8. Misdemeanor convictions disclosed will be referred to AASC
9. No felony convictions
10. Complete the admission procedure
11. Arrange with the nursing administrator or faculty advisor to take the National League of Nursing Acceleration Challenge Exam tests for 200- or 300-

level nursing theoretical courses be considered for credit transfer from their ADN program.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

GENERIC BSN TRACK (124 CREDIT HOURS)

Description	Credits
General Education	49
Required Support Courses	11
Required Nursing Courses	64
Total Credit Hours	124

Required Support Courses (11 credit hours)

Course	Course Title	Credits	Term Offered
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS
BI124	HUMAN ANATOMY AND PHYSIOLOGY I	3	FALL ONLY/ ALL YEARS
BI124L	HUMAN ANATOMY & PHYSIOLOGY I LABORATORY	1	FALL ONLY/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
CH100	INTRODUCTION TO INORGANIC CHEMISTRY	3	FALL/SPRING/ ALL YEARS
CH100L	INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY	1	FALL/SPRING/ ALL YEARS
CH101	INTRODUCTION TO ORGANIC CHEMISTRY	3	FALL/SPRING/ ALL YEARS
CH101L	INTRODUCTION TO ORGANIC	1	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
	CHEMISTRY LABORATORY		
AN101	INTRODUCTION TO ANTHROPOLOGY	3	FALL/SPRING/ ALL YEARS
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS

*EN-110,/111, MA-151, BI-124/L, BI-125/L, CH-100/L, CH-101/L, AN-101, PY-101, CO-210, AL-185 courses count for both **General Education** and **Required Support Courses**.*

Required Nursing Courses (64 credit hours)

Course	Course Title	Credits	Term Offered
NU200B	COMMUNICATION AND METAL HEALTH CONCEPTS	3	FALL ONLY/ ALL YEARS
NU202B	FUNDAMENTALS OF NURSING	4	SPRING ONLY/ ALL YEARS
NU203B	FUNDAMENTALS OF NURSING PRACTICUM	4	SPRING ONLY/ ALL YEARS
NU204B	HEALTH ASSESSMENT	2	SPRING ONLY/ ALL YEARS
NU205B	HEALTH ASSESSMENT PRACTICUM	1	SPRING ONLY/ ALL YEARS
NU207B	PHARMACOLOGY IN NURSING	2	SPRING ONLY/ ALL YEARS
NU214	DOSAGE CALCULATION	1	FALL/SPRING/ AS REQUIRED
NU302B	ADULT HEALTH NURSING	6	FALL ONLY/ ALL YEARS
NU303B	ADULT HEALTH PRACTICUM I	4	FALL ONLY/ ALL YEARS
NU304B	FAMILY HEALTH NURSING	6	SPRING ONLY/ ALL YEARS
NU305B	FAMILY HEALTH NURSING PRACTICUM	4	SPRING ONLY/ ALL YEARS
NU310	PATHOPHYSIOLOGY	3	FALL ONLY/ ALL YEARS
NU403	COMMUNITY HEALTH NURSING PRACTICUM	3	FALL ONLY/ ALL YEARS
NU408	PSYCHIATRIC MENTAL	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
	HEALTH NURSING		
NU409	PSYCHIATRIC NURSING PRACTICUM	2	FALL ONLY/ ALL YEARS
NU412	COMMUNITY HEALTH NURSING	3	FALL ONLY/ ALL YEARS
NU415	INDEPENDENT NURSING PRACTICUM	3	SPRING ONLY/ ALL YEARS
NU416	RESEARCH IN NURSING AND HEALTH SCIENCES	3	FALL ONLY/ ALL YEARS
NU418	LEADERSHIP IN NURSING	3	SPRING ONLY/ ALL YEARS
NU419	LEADERSHIP IN NURSING PRACTICUM	1	SPRING ONLY/ ALL YEARS
NU420	TRENDS IN NURSING	2	SPRING ONLY/ ALL YEARS

Optional Elective Courses

Course	Course Title	Credits	Term Offered
NU344	AGING: MYTH AND REALITIES	3	FALL ONLY/ ALL YEARS
NU112	MEDICAL TERMINOLOGY	2	FALL/SPRING/ ALL YEARS
NU212	EMPOWERMENT STRATEGIES FOR NURSING STUDENTS	3	FALL/SPRING/ ALL YEARS

And transition courses:

Course	Course Title	Credits	Term Offered
NU223	CLINICAL MENTORSHIP	1	SUMMER/ SUMMER ONLY
NU323	CLINICAL MENTORSHIP	1	SUMMER/ SUMMER ONLY
NU423	CLINICAL MENTORSHIP	1	SUMMER

SECOND-STEP BSN TRACK (124 CREDIT HOURS)

Description	Credits
General Education	49
Required Support Courses	11
Required Nursing Courses	64
Total Credit Hours	124

Required Support Courses (11 credit hours)

Course	Course Title	Credits	Term Offered
EN110	FRESHMAN COMPOSITION	3	FALL/SPRING/ ALL YEARS
EN111	WRITING FOR RESEARCH	3	FALL/SPRING/ ALL YEARS
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS
BI125	HUMAN ANATOMY & PHYSIOLOGY II	3	SPRING ONLY/ ALL YEARS
BI125L	HUMAN ANATOMY & PHYSIO II LABORATORY	1	SPRING ONLY/ ALL YEARS
BI225	BASIC MICROBIOLOGY	3	FALL ONLY/ ALL YEARS
BI225L	BASIC MICROBIOLOGY LABORATORY	1	FALL ONLY/ ALL YEARS
BI100	ENVIRONMENTAL BIOLOGY	3	FALL/SPRING/ ALL YEARS
BI100L	ENVIRONMENTAL BIOLOGY LABORATORY	1	FALL/SPRING/ ALL YEARS
CH100	INTRODUCTION TO INORGANIC CHEMISTRY	3	FALL/SPRING/ ALL YEARS
CH100L	INTRODUCTION TO INORGANIC CHEMISTRY LABORATORY	1	FALL/SPRING/ ALL YEARS
CH101	INTRODUCTION TO ORGANIC CHEMISTRY	3	FALL/SPRING/ ALL YEARS
CH101L	INTRODUCTION TO ORGANIC CHEMISTRY LABORATORY	1	FALL/SPRING/ ALL YEARS

Course	Course Title	Credits	Term Offered
AN101	INTRODUCTION TO ANTHROPOLOGY	3	FALL/SPRING/ ALL YEARS
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
CO210	FUNDAMENTALS OF COMMUNICATION	3	FALL/SPRING/ ALL YEARS
ED201	HUMAN GROWTH AND DEVELOPMENT	3	FALL/SPRING/ ALL YEARS
AL185	HUMAN NUTRITION	3	FALL/SPRING/ ALL YEARS

*EN-110,/111, MA-151, BI-124/L, BI-125/L, CH-100/L, CH-101/L, AN-101, PY-101, CO-210, AL-185 courses count for both **General Education** and Required Support Courses.*

Required Nursing Courses (64 credit hours)

Course	Course Title	Credits	Term Offered
NU300S	COMMUNICATION AND MENTAL HEALTH CONCEPTS	3	FALL ONLY/ ALL YEARS
NU306S	HEALTH ASSESSMENT	2	SPRING ONLY/ ALL YEARS
NU307S	HEALTH ASSESSMENT PRACTICUM	1	SPRING ONLY/ ALL YEARS
NU310	PATHOPHYSIOLOGY	3	FALL ONLY/ ALL YEARS
NU324S	PROFESSIONAL NURSING	3	SPRING ONLY/ ALL YEARS
NU325S	PROFESSIONAL NURSING PRACTICUM	3	SPRING ONLY/ ALL YEARS
NU403	COMMUNITY HEALTH NURSING PRACTICUM	3	FALL ONLY/ ALL YEARS
NU408	PSYCHIATRIC MENTAL HEALTH NURSING	3	FALL ONLY/ ALL YEARS
NU409	PSYCHIATRIC NURSING PRACTICUM	2	FALL ONLY/ ALL YEARS
NU412	COMMUNITY HEALTH NURSING	3	FALL ONLY/ ALL YEARS
NU415	INDEPENDENT NURSING PRACTICUM	3	SPRING ONLY/ ALL YEARS
NU416	RESEARCH IN NURSING AND HEALTH SCIENCES	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
NU418	LEADERSHIP IN NURSING	3	SPRING ONLY/ ALL YEARS
NU419	LEADERSHIP IN NURSING PRACTICUM	1	SPRING ONLY/ ALL YEARS
NU420	TRENDS IN NURSING	2	SPRING ONLY/ ALL YEARS

Optional Elective Courses

Course	Course Title	Credits	Term Offered
NU344	AGING: MYTH AND REALITIES	3	FALL ONLY/ ALL YEARS
NU112	MEDICAL TERMINOLOGY	2	FALL/SPRING/ ALL YEARS
NU207B	PHARMACOLOGY IN NURSING	2	SPRING ONLY/ ALL YEARS
NU212	EMPOWERMENT STRATEGIES FOR NURSING STUDENTS	3	FALL/SPRING/ ALL YEARS
NU214	DOSAGE CALCULATION	1	FALL/SPRING/ AS REQUIRED

And transition courses:

Course	Course Title	Credits	Term Offered
NU223	CLINICAL MENTORSHIP	1	SUMMER/ SUMMER ONLY
NU323	CLINICAL MENTORSHIP	1	SUMMER/ SUMMER ONLY
NU423	CLINICAL MENTORSHIP	1	SUMMER

ACCEPTANCE OF CREDITS FROM OTHER INSTITUTIONS

Courses taken in other programs (nursing, medical, military medical, etc.) may be given University of Guam credit through examination. The following exams may be used for credit

- NU-202: Fundamentals of Nursing (NLN Basic Nursing)
- NU-207: Pharmacology in Nursing (NLN Fundamentals of Drug Therapy)
- NU-302: Adult Health Nursing (NLN Tests for Adult Health Nursing)
- NU-304: Family Health Nursing (NLN Test for Maternal Child Nursing): NACE II RN-BSN Care of the Child and Childbearing Family
- Second Step Program Placement (NLN Acceleration Challenge Exam (ACE))

The student will request credit by exam by applying to the Nursing AASC. Course materials to support the application will be provided by the student. Upon review of the materials and transcript, the decision whether to allow for credit by exam will be made by the AASC. If a 75% or better is achieved, credit by examination for the theory course will be granted. Note: Successful completion of the NLN test and skills check off will constitute substitution for the equivalent nursing major course(s).

The acceptance of online or distance teaching courses is made by AASC in consultation with faculty. Refer to the Nursing Program Manual or your faculty advisor for additional information. Correspondence with the program's professional accreditation agency can be directed to:

Accreditation Commission for Education in Nursing Inc. (ACEN)

3343 Peachtree Road NE, Suite 850
Atlanta, GA 30326
Tel: (400) 975-5000
Website: www.acenursing.org

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SOCIAL WORK PROGRAM

PROSPECTUS

The University of Guam offers a four-year professional educational program in social work leading to a Bachelor of Social Work (BSW) degree. The BSW is recognized by the National Association of Social Workers as the entry-level degree for the profession.

Through the integration of liberal arts education and the teaching of social work knowledge, values, and skills, the Bachelor of Social Work at the University of Guam prepares individuals to think critically, to develop a global perspective of social welfare and social development, to actualize the concept of social caring, to demonstrate belief in the intrinsic value and dignity of all humankind, to serve those in need, and to act with conviction in advancing the principles of social justice and human rights within the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.

Accreditation

The Bachelor of Social Work program at the University of Guam is the only Council on Social Work Education-accredited baccalaureate program in the Western Pacific. The program was founded in 1980, attained candidacy status in 1999, and was granted initial accreditation in 2003. The program's accreditation was reaffirmed in 2007 and 2015, and it will seek reaffirmation again in 2023.

What is Social Work?

Social work is a practice-based profession and an academic discipline that promotes social change and development, social cohesion, and the empowerment and liberation of people. Principles of social justice, human rights, collective responsibility and respect for diversities are central to social work. Underpinned by theories of social work, social sciences, humanities and indigenous knowledges, social work engages people and structures to address life challenges and enhance well-being.

Relevance and Demand

The communities in Guam and other Micronesian islands experience many social problems, such as addictions, poverty, high incidences of sexual abuse, teen pregnancy, homelessness, and more. While these problems are complex and require changes at the micro, mezzo, and macro levels of society, a UOG graduate with a social work degree can function as a change agent and advance solutions with individual people and communities.

Why UOG?

UOG social work faculty members have diverse personal, cultural, and professional backgrounds and are involved with local communities as well as European, Asian, American and global professional networks. Students are admitted in cohort systems and develop mutually supportive learning environments. Theories and interventions taught are relevant and appropriate for indigenous and immigrant cultures of UOG students.

Career Possibilities

Graduates of the UOG social work program are employed in different professional settings (government, nonprofit, and for-profit) and work with various populations (children, adolescents, adults, and elderly). They work with individuals and their families, collaborate with teams, organize and lead groups, develop treatment plans and write reports, and engage in research, program, and policy advocacy, initiatives, and developments.

Examples of employment agencies of UOG social work graduates include, but are not limited to, the following: Guam Behavioral Health & Wellness Center, Department of Public Health & Social Services, Guam Memorial Hospital, Guam Regional Medical Center, the Department of Youth Affairs, Sanctuary Inc., Westcare Inc., GALA,

Erica's House, Department of Labor, Guma Mami, the Lighthouse Recovery Center, Oasis Empowerment Center, the Aleo Shelter, I Famagoun-ta, Guam Superior Court, New Beginnings Drug and Alcohol Program, and UOG CEDDERS.

Post-Graduate Studies

The UOG BSW program and the School of Social Work at the University of Hawaii developed a partnership that allows UOG social work graduates to earn an accredited Master of Social Work degree from the University of Hawaii in one year while maintaining residence in Guam. Students who are, in particular, interested in research and teaching for their careers can pursue doctoral degrees in social work or social welfare.

LEARNING OUTCOMES

Graduates of the BSW program demonstrate the integration and application of the following competencies:

1. Demonstrate ethical and professional behavior
2. Advance human rights and social, racial, economic, and environmental justice
3. Engage anti-racism, diversity, equity, and inclusion in practice
4. Engage practice-informed research and research-informed practice
5. Engage in policy practice
6. Engage with individuals, families, groups, organizations, and communities
7. Assess individuals, families, groups, organizations, and communities
8. Intervene with individuals, families, groups, organizations and communities
9. Evaluate practice with individuals, families, groups, organizations and communities

ADMISSION

There are two levels of social work majors: Pre-BSW and BSW. A pre-BSW student is any declared social work

major who has not yet completed the requirements for advancement to the BSW student status. A BSW student is one who has met these requirements and has been formally admitted to the BSW program.

To be eligible for the BSW junior level, applicants must:

- Complete at least 45 credits of General Education requirements
- Complete EN-111 Writing for Research
- Complete Mathematics General Education requirements
- Complete SO-101 Introduction to Sociology
- Complete PY-101 General Psychology
- Complete BA-110 Principles of Economics
- Complete SW-201 Social Welfare and Development: Global Challenges with a grade of "C" or better
- Have a cumulative GPA of 2.5 or higher
- Submit a completed application form and related documents.

Applications for advancement to BSW student status are accepted annually in April. Upon receipt of applications with all necessary documents, the social work faculty reviews applications and notifies applicants by letter of the faculty's decisions regarding admissions. Students must be advanced to BSW student status in order to take SW330 Generalist Social Work Practice Methods Overview. Social work application forms can be downloaded from the Margaret Perez Hattori-Uchima School of Health webpage on the UOG website.

ADVISEMENT

Academic advisers assist students throughout their educational careers as they become competent entry-level social workers. The adviser monitors student progress, provides consultation in planning a course of study, and assists in problem solving with regard to both classroom and field coursework. The faculty adviser serves as an "anchor person" with whom students may confer regarding any program-related problem or question. In general, the chair of the Division of Social Work advises pre-BSW students and other program faculty advise BSW students.

To get connected with an adviser, visit the [Academic Advisement](#) section of the Catalog.

Note: These courses may count toward General Education requirements and toward the major in CHamoru Studies.

DEGREE REQUIREMENTS

MAJOR REQUIREMENTS

Description	Credit Hours
Social Sciences Courses	15
Statistics Course	3
Social Work Courses	50
Elective Courses	6
Total Credit Hours	74

Note: The University of Guam requires a minimum of 124 credit hours for graduation.

Social Science Courses (15 credit hours)

Course	Course Title	Credits	Term Offered
PY101	GENERAL PSYCHOLOGY	3	FALL/SPRING/ ALL YEARS
SO101	INTRODUCTION TO SOCIOLOGY	3	FALL/SPRING/ ALL YEARS
BA110	PRINCIPLES OF ECONOMICS	3	FALL/SPRING/ ALL YEARS

In addition, two elective upper-division social sciences courses (300-level or above) may be drawn from the fields of anthropology, economics, political science, psychology, sociology, women and gender studies, and CHamoru studies or as approved by Social Work faculty advisor.

Statistics Course (3 credit hours)

Course	Course Title	Credits	Term Offered
MA151	INTRODUCTORY STATISTICS	3	FALL/SPRING/ ALL YEARS

Social Work Courses (50 credit hours)

Course	Course Title	Credits	Term Offered
SW201	SOCIAL WELFARE AND DEVELOPMENT: GLOBAL CHALLENGES	3	FALL/SPRING/ ALL YEARS
SW313	RESEARCH METHODS FOR HEALTH AND SOCIAL SERVICES	3	SPRING ONLY/ ALL YEARS
SW330	Generalist Social Work Practice Methods AND OVERVIEW	3	FALL ONLY/ ALL YEARS
SW331	GENERALIST SOCIAL WORK PRACTICE METHODS WITH GROUPS	3	SPRING ONLY/ ALL YEARS
SW332	GENERALIST SOCIAL WORK PRACTICE METHODS WITH ORGANIZATIONS AND COMMUNITIES	3	FALL ONLY/ ALL YEARS
SW333	GENERALIST SOCIAL WORK PRACTICE METHODS INDIVIDUALS AND FAMILIES	3	SPRING ONLY/ ALL YEARS
SW345	SOCIAL JUSTICE	3	FALL ONLY/ ALL YEARS
SW350	HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I	3	FALL ONLY/ ALL YEARS

Course	Course Title	Credits	Term Offered
SW351	HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II	3	SPRING ONLY/ ALL YEARS
SW406	SOCIAL POLICY	3	FALL ONLY/ ALL YEARS
SW408	ADVOCACY FOR SOCIAL JUSTICE	3	SPRING ONLY/ ALL YEARS
SW410	SOCIAL WELFARE AND SOCIAL DEVELOPMENT IN MICRONESIA	3	FALL ONLY/ ALL YEARS
SW460	BEHAVIORAL HEALTH PRACTICE FOR SOCIAL WORKERS	3	FALL ONLY/ ALL YEARS
SW480	FAMILY VIOLENCE	3	SPRING ONLY/ ALL YEARS
SW485A	FIELD INSTRUCTION	4	FALL ONLY/ ALL YEARS
SW485B	FIELD INSTRUCTION	4	SPRING ONLY/ ALL YEARS

Elective Courses (6 credits)

Course	Course Title	Credits	Term Offered
SW344	AGING: MYTH & REALITIES	3	FALL ONLY/ ALL YEARS
SW355	HUMAN SEXUALITY	3	SPRING ONLY/ ALL YEARS
SW400	FIELDS OF SOCIAL WORK PRACTICE	3	FALL/SPRING/ ALL YEARS

Note: Due to the nature of the course, SW400 Fields of Social Work Practice can be taken more than once.

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ROBERT F. KENNEDY MEMORIAL LIBRARY

LIBRARY SCIENCE PROGRAM

OVERVIEW

PROSPECTUS

Courses in Library Science are offered periodically. Library Science courses are designed to meet the school librarian certification requirements of the Guam Commission of Educator Certification (GCEC). The primary objective of the courses is to prepare school librarians who will be knowledgeable in all main areas of librarianship and who will be able to develop, promote, and administer effective school library programs. The courses will lead to Professional I, School Library Certification on Guam. These courses are in addition to requirements for teacher certification. School librarians on Guam must also meet teacher certification requirements. The current requirements for GCEC School Librarian Certification are 24 semester hours.

Check the GCEC website (<https://gcec.guam.gov>) for current requirements.

REQUIREMENTS

MINOR AND CERTIFICATION IN LIBRARY SCIENCE REQUIREMENTS (24 CREDIT HOURS)

Required Courses (15 credit hours)

Course	Course Title	Credits	Term Offered
LS312	SCHOOL LIBRARY/MEDIA ADMINISTRATION	3	SPRING ONLY/ ODD YEARS
LS315	REFERENCE AND INFORMATION SOURCES AND SERVICES	3	SPRING ONLY/ EVEN YEARS
LS410	CATALOGING AND CLASSIFICATION OF SCHOOL LIBRARY MATERIALS	3	FALL ONLY/ EVEN YEARS
LS411	BUILDING SCHOOL LIBRARY COLLECTIONS	3	SPRING ONLY/ EVEN YEARS
LS419	PACIFIC CHILDREN'S LITERATURE	3	FALL/SPRING/ ALL YEARS
LS420	YOUNG ADULT LITERATURE	3	SPRING ONLY/ ODD YEARS

*LS419 required for Elementary Education Majors
*LS420 recommended for Secondary Education Majors

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Elective Courses (9 credit hours)

Course	Course Title	Credits	Term Offered
LS314	SCHOOL LIBRARY METHODS: TEACHING AND LEARNING IN THE SCHOOL LIBRARY	3	FALL ONLY/ ODD YEARS
LS451	AUDIO VISUAL EDUCATION	3	FALL/SPRING/ ALL YEARS
LS452	COMPUTERS IN EDUCATION	3	FALL ONLY/ ALL YEARS
LS453	MULTIMEDIA MATERIALS AND SERVICES	3	FALL ONLY/ EVEN YEARS

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