



2018–2019

**HAWAI'I PACIFIC
UNIVERSITY**

**ACADEMIC
CATALOG**

PRESIDENT'S MESSAGE



Aloha, and welcome to Hawai'i Pacific University.

Founded in 1965, Hawai'i Pacific University is an international learning community set in the rich cultural context of Hawai'i, where student from all 50 U.S. states and over 65 countries join us for a unique educational experience at the crossroads of the Pacific.

Today, we are the state's largest private, non-profit university with a student population of approximately 5,000 undergraduate and graduate students. HPU prides itself on maintaining strong academic programs, small class sizes, personalized attention for students, and a diverse faculty and student population. Indeed, HPU is widely considered one of the most culturally diverse universities in the country.

We offer more than 34 acclaimed undergraduate programs and 17 distinguished graduate programs, and our faculty includes approximately 360 full-time and part-time professors with outstanding academic and business credentials. Fusing HPU's unmatched diversity with personal support and a deliberately intimate learning environment, our students get up-close and personal with the subjects they're passionate about, empowering them to look closer, see further, and do more.

Perhaps most importantly, HPU is a community that cares. Our faculty members care about teaching, mentoring, and contributing to society through their cutting-edge research and scholarly activities. Our students care about making a difference in the world and the importance of giving back to their communities. And our alumni are leaders who are proud of and deeply care about their alma mater. We are one university, one community, one *'ohana* united to make HPU a leader in innovative higher education. Our community is what truly sets us apart.

I hope you will share our excitement about Hawai'i Pacific University, what we do, and what you will do as you become an integral part of our remarkable community. Join us as we bring life to the Hawaiian saying, *Pupukahi I Holomua: Unite to Move Forward*.

John Y. Gotanda
President, Hawai'i Pacific University

CONSUMER INFORMATION

Hawai'i Pacific University, in compliance with the Higher Education Act of 1965, as amended, is required to disclose consumer information to interested parents and students. This information is available in a variety of formats: e.g., HPU's website, catalog, student handbook, financial aid handbook, registration material, mailers, and government reports. "Student Right-to-Know Information" and other consumer information about the University, such as campus security statistics, drug and alcohol abuse prevention and/or graduation rates, can be found at:

www.hpu.edu/about-us/information/student-right-to-know.html

Hawai'i Pacific University reserves the right to revise the contents of this publication. No contract is implied by this catalog. Current information can be found at the HPU website: www.hpu.edu.

The Hawai'i State Department of Commerce and Consumer Affairs (DCCA) has authorized Hawai'i Pacific University to operate as a post-secondary degree granting educational institution in the State of Hawai'i.

ASSESSMENT INFORMATION

Hawai'i Pacific University is committed to providing quality education and to assuring students gain the knowledge and skills necessary to be successful. Assessment of student learning provides the information HPU needs to make improvements in program structure, course content, and pedagogy. To this end, information is collected at the classroom, college, and institutional levels. All student performance data are aggregated and confidential. Questions or concerns about program assessment of learning should be directed to:

Institutional Research
Hawai'i Pacific University
1164 Bishop Street, Suite 800
Honolulu, HI 96813

NON-DISCRIMINATION NOTICE

Hawai'i Pacific University admits students without regard to sex, race, age, color, disability, religion, sexual orientation, or national or ethnic origin to all programs and activities generally accorded to or made available to students at the University.

As provided for and to the extent required by state and federal laws, the university provides educational opportunities without regard to—and prohibits discrimination including harassment against students—on the basis of sex, race, age, color, disability, religion, sexual orientation, gender identity or expression, national or ethnic origin, or any other characteristic protected by applicable law in the administration of its educational programs, policies, admissions policies, scholarships, activities, loan programs, and athletic and other university-administered programs. Complaints or concerns should be filed with the university's Title IX coordinator (go to www.hpu.edu/studenthandbook) for details,

This statement is intended to be consistent with the provisions of applicable local, state, and federal laws and covers admission and access to, as well as participation and treatment in, the university's programs, activities, and services. With regard to employment, the university is committed to equal opportunity in all personnel actions, policies, procedures, and practices. Inquiries regarding equal opportunity policies, access for disabled persons, or complaint procedures may be directed to:

Human Resources
EEO/Affirmative Action & Employee Relations Manager
Hawai'i Pacific University
1164 Bishop Street, Suite 800
Honolulu, HI 96813

Telephone: (808) 544-1188

Email: hr@hpu.edu

Inquiries regarding federal law and regulations concerning nondiscrimination in education or the University's compliance with those provisions may also be directed to:

Office for Civil Rights, Seattle Office

U.S. Department of Education

915 Second Avenue, Room 3310

Seattle, WA 98174-1099

Telephone: 206-607-1600

FAX: 206-607-1601; TDD: 206-607-1647

Email: OCR.Seattle@ed.gov



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ADDENDUM: HAWAI'I PACIFIC UNIVERSITY 2018-2019 ACADEMIC CATALOG

The Hawai'i Pacific University Academic Catalog is published annually. Every effort is made to ensure that the catalog is accurate at the time of publication; however, edits and updates are occasionally necessary to correct or clarify information. The purpose of this addendum is to provide information about the changes that have occurred since the initial publication of the 2017-2018 academic catalog. All changes have been made to the online version of the catalog and are listed below for reference.

Bachelor of Arts in Communication Studies (page 93)

Restricted Elective requirement updated from *Take one of the following* to *Take two of the following*

Bachelor of Science in Oceanography (page 151)

MATH 1123 moved from *Lower-Division Major Requirements* to *Overlapping General Education and Lower Division Courses*.

CHEM 2050 removed from *Lower-Division Major Requirements*.

MATH 2214 moved from *Overlapping General Education and Lower Division Courses* to *Lower-Division Major Requirements*.

Lower-Division Major Requirements credits required updated from 38-40 to 32-34.

Upper-Division Major Requirements credits required updated from 13 to 10-12

Associate of Science in Supervisory Leadership (page 170)

Overlapping General Education & Lower-Division Courses updated from PSCI 1400 American Politics (The American Experience) to PSCI 1400 American Politics (The American Experience) or PADM 1000 Introduction to Leadership in America (The American Experience).

Credit requirements for Major Requirements updated from *(15 Credits)* to *(9-12 Credits)*. Removed *Plus one additional course approved by the program director* from Major Requirements.

Minor in Environmental Studies (page 193)

Minor requirements updated from

Old Version

ENVIRONMENTAL STUDIES

Six upper-division courses beyond ENVS 2000:

Complete one or both of the following:

ENVS	3010	Environmental Impact Analysis
ENVS	3030	Earth Systems and Global Change

Plus:

ENVS	4100	Society Systems and Global Change
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Plus three or four of the following:

ANTH	3115	Culture, Religion, and the Environment
COM	3500	Technical Communication
ECON	3430	Environmental Economics
GEOG	3720	Population Dynamics
ENVS	3020	Environmental Policy Process
PHIL	3651	Environmental Ethics

to

New Version

ENVIRONMENTAL STUDIES

Complete one or both of the following:

ENVS 3010 Environmental Impact Analysis
ENVS 3030 Earth Systems and Global Change

Plus four or five of the following:

ANTH 3400 Anthropology of Food and Eating
ENVS 3002 Applications of Environmental Science
ENVS 3020 Environmental Policy Process
ENVS 3600 Natural Resource Management
ECON 3430 Environmental Economics
SOC 3650 Global Systems and Development

Master of Social Work (page 236)

Number of credits required updated from *60 credits* to *57 credits*

Update course prerequisites for PHYS 2054 General Physics III – Modern Physics (page 383)

Course prerequisites update from *MATH 2251 and PHYS 2052* to *MATH 2215 and PHYS 2052*

PSY 6770 Counseling Couples & Families (page 393)

Course added to university curriculum section.

Selected theories, methods, and techniques of marriage and family therapy with particular emphasis on diversity and legal and ethical issues in the practice of marriage and family counseling.

Prerequisites: PSY 6701 or approval of program director.



GENERAL INFORMATION

Hawai'i Pacific University is an independent, coeducational, career-oriented, comprehensive university with a foundation in the liberal arts. The university offers the Bachelor of Arts and the Bachelor of Science degrees in a variety of disciplines, as well as the Bachelor of Education, Bachelor of Public Administration, and Bachelor of Social Work. Graduate degrees are offered in the arts, business administration, education, public administration, public health, the sciences, and social work. HPU also offers associate degrees through the College of Professional Studies, and on O'ahu military installations.

Hawai'i Pacific University is:

- Accredited by: the WASC Senior College and University Commission (WSCUC); the Commission on Collegiate Nursing Education (CCNE); Council for the Accreditation of Educator Preparation (CAEP); the Council on Social Work Education (CSWE); and the Masters in Psychology and Counseling Accreditation Council (MPCAC).
- Authorized by the Hawai'i Post-Secondary Authorization Program and approved by Hawai'i as a State Authorization Reciprocity Agreement (SARA) institution.
- Designated as a State Approved Teacher Education (SATE) institution by the Hawai'i Teacher Standards Board.
- Approved for veterans' benefits and authorized to enroll nonimmigrant alien students.
- An applied learning institution offering a variety of hands-on research and career-related work experiences and internships as an integral part of the curriculum.

Please refer to the Hawai'i Pacific University website at www.hpu.edu for the latest updates on academic programs and university policies.

MISSION

Hawai'i Pacific University is an international learning community set in the rich cultural context of Hawai'i. Students from around the world join us for an American education built on a liberal arts foundation. Our innovative undergraduate and graduate programs anticipate the changing needs of the community and prepare our graduates to live, work, and learn as active members of a global society.

LOCATION

Hawai'i Pacific University has three campuses located on the island of O'ahu. Additionally,

HPU offers programs and courses on O‘ahu military installations and online.

Downtown Honolulu Campus

The urban campus is in the heart of Honolulu’s downtown business and financial district, within the center of the state’s capital district. This campus is home to the College of Business and the College of Liberal Arts. Students have ample opportunities to make the transition from student to professional in the various business offices, not-for-profit organizations, government agencies, financial institutions, accounting firms, and law firms in the area. Many of the university’s adjunct instructors are practitioners at the top of their professions who bring contemporary, real-life experiences into the classroom.

The downtown campus is within walking distance to stores, shops, and restaurants. ‘Iolani Palace, the only palace in the United States, is a few blocks away, as are the State Capitol, City Hall, other government buildings, and the Blaisdell Concert Hall and Arena. The Honolulu Museum of Art, Bishop Museum (the State Natural and Cultural History Museum), the Mission Houses Museum, Waikiki Aquarium, Honolulu Zoo, Waikiki Shell, and many other cultural and recreational areas are easily accessible to students.

Hawai‘i Loa Campus

The Hawai‘i Loa campus is located in Kāne‘ohe and is nestled at the base of the beautiful Ko‘olau Mountains. The campus is the site of the College of Health and Society and the College of Natural and Computational Sciences.

It is an easy eight-mile ride between the Hawai‘i Loa and downtown campuses on the free HPU shuttle. Various shopping malls, restaurants, beaches, and historic and scenic sites are also within reasonable distance and accessible by Honolulu’s public transportation system.

In accordance with the 2014 University Master Plan, Hawai‘i Pacific University is consolidating its academic programs downtown. This transition will take place over the next few years. HPU is investing in the urban student experience that will better serve the community.

The Oceanic Institute

For more than 50 years, the Oceanic Institute of Hawai‘i Pacific University (OI) has been a world leader in the advancement of sustainable aquaculture technologies and has contributed to a range of solutions to overcome current and emerging industry challenges. OI is located on 56 acres at scenic Makapu‘u Point in Waimānalo, and employs a team of 45 scientists and professionals. Its mission is to develop and transfer environmentally responsible techniques to increase aquatic food production while promoting the sustainable use of ocean resources. Toward this goal, OI conducts research, education, and training that focuses on marine aquaculture, aquatic feeds and nutrition, and coastal resource management. OI is home to the Master of Science in Marine Science degree program and several faculty-student research labs for the College of Natural and Computational Sciences.

HISTORY

Recognizing the need for an independent, nonsectarian liberal arts college in Honolulu, four prominent and public-spirited citizens—Eureka Forbes, Paul C.T. Loo, Elizabeth W. Kellerman, and the Reverend Edmond Walker—applied for a charter of incorporation for a not-for-profit corporation to be called Hawai‘i Pacific College. The state of Hawai‘i granted a charter of incorporation to Hawai‘i Pacific on September 17, 1965.

In September of 1966, Honolulu Christian College merged into Hawai'i Pacific College, and a new charter was granted by the state of Hawai'i.

In 1967, Dr. James L. Meader became Hawai'i Pacific College's first president. President Meader, in consultation with community leaders, developed a comprehensive educational program to meet various higher educational needs for the state of Hawai'i.

When Dr. Meader retired on June 30, 1968, the Board of Trustees elected the Reverend George A. Warmer as Hawai'i Pacific's second president. Under President Warmer's leadership, the college implemented academic programs in the liberal arts and cooperative education.

In 1972, Hawai'i Pacific College graduated seven students in its first commencement class and in the same year established a School of Business Administration. Chatt G. Wright became the founding dean of Hawai'i Pacific's new School of Business Administration.

In 1973, the college received full accreditation from the Western Association of Schools and Colleges. The following years saw the creation of the Division of Special Programs, which later became the College of Professional Studies, administering off-campus instruction at the various military installations on O'ahu.

President Warmer retired in 1976, and Chatt G. Wright became Hawai'i Pacific's third president. Under President Wright's leadership, Hawai'i Pacific saw rapid and continuous expansion. Augmenting its thriving undergraduate program of baccalaureate and associate degrees, Hawai'i Pacific successfully launched its first graduate program, a Master of Business Administration (MBA), in 1986.

Hawai'i Pacific continued to expand and develop throughout the 1980s, and in 1990 became Hawai'i Pacific University.

In 1992, Hawai'i Loa College, a small, independent liberal arts college located on the windward side of O'ahu, merged into Hawai'i Pacific University. This historic merger brought together the strength of two academically strong institutions and has helped to expand Hawai'i Pacific University's role as a leader in higher education for the state of Hawai'i and the Pacific Basin.

On July 1, 2003, the Oceanic Institute (OI)—a marine science research organization established in the 1960s and located on O'ahu—became affiliated with Hawai'i Pacific University. OI is dedicated to the development of marine aquaculture, biotechnology, and coastal resource management. The successful affiliation—marked by enhanced learning and research opportunities in the natural sciences for HPU faculty and students—led to a merger on January 1, 2014. The Oceanic Institute of Hawai'i Pacific University provides valuable links to outstanding research programs in aquaculture, marine biology, and environmental science at a facility with a growing international reputation.

President Wright retired in 2011, and Dr. Geoffrey Bannister became Hawai'i Pacific University's fourth president. Dr. Bannister was a strong advocate for international and study abroad education, and his extensive experience in these areas complemented Hawai'i Pacific University's global mission.

The athletics program became known as the "Hawai'i Pacific University Sharks" in August 2014. The shark has been associated with the HPU Athletics identity for many years, as teams competed

as the Sea Warriors. The reimagined new brand was developed with collaborative insights from a cross-representation of HPU students, coaches, alumni, faculty, and members of the community at large.

In August 2015, the Aloha Tower Marketplace revitalization project was completed, opening to students and the community. Aloha Tower Marketplace serves as an anchor for the university's core downtown Honolulu campus, including a first-class center for higher education and university housing integrated with retail and dining businesses and community gathering spaces.

On July 1, 2016, John Yukio Gotanda took office as Hawai'i Pacific University's fifth president. Born and raised in Hawai'i, President Gotanda returned home to lead HPU following a successful 30-year career in law and higher education on the East Coast. He most recently served as the dean of Villanova Law School. President Gotanda is stewarding HPU's vision to be a leader in innovative higher education.

ACCREDITATION

Hawai'i Pacific University is accredited by the WASC Senior College and University Commission (WSCUC).

The Nursing programs (BSN and MSN) are approved by the Hawai'i State Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE).

The Social Work programs are accredited by the Council on Social Work Education (CSWE).

The School of Education has received state approval status from the Hawai'i Teacher Standards Board (HTSB) and the Council for the Accreditation of Educator Preparation (CAEP).

The Master of Arts in Clinical Mental Health Counseling is accredited by the Masters in Psychology and Counseling Accreditation Council (MPCAC).

HPU ON THE INTERNET

HPU's website, www.hpu.edu, provides overviews on academic programs, course descriptions, the academic calendar, admissions, planned visits to various cities and countries by HPU's admission staff and student services, and other information of interest to prospective and current HPU students. The university's Intranet, HPU Pipeline, is an information and communication web portal available exclusively to HPU students, faculty, and staff. It provides easy access to campus email, the learning management system, and other internal HPU services. Important announcements, college news and events, as well as university policy and procedures, are posted to HPU Pipeline. For technical assistance with HPU Pipeline, please call the Service Desk at (808) 566-2411 or email help@hpu.edu.

DISTANCE EDUCATION

Hawai'i Pacific University's distance education programs provide individuals from around the globe the opportunity to take HPU courses leading to a degree or certificate. These programs replicate existing on-campus programs but are delivered via the internet.

Successful distance learners must be goal-oriented, good readers and writers, capable of working independently, able to prioritize their workload, and comfortable with technology.

Most distance education courses are highly interactive. While time requirements for individual courses may vary considerably, a typical distance education course will require at least the same amount of time as a traditional classroom course. Students are expected to complete all course requirements within the established period that the course is offered.

Most distance education courses can be completed entirely online, in which case students will not be required to come to campus. Some distance education courses may require that students report to an approved testing site periodically to take an examination or for other requirements.

Students interested in taking online courses or pursuing a degree online should consult with an academic advisor for assistance. International students living in the United States, traveling on an F-1 visa, have limitations on how many online courses can be taken in a given term.

STUDENT BODY

Combined student enrollment for Hawai'i Pacific University in 2016–2017 was 5000 students, including 738 graduate students. The diverse student body is composed of students from every state in the U.S. as well as 65 countries.

Fusing the university's unmatched cultural diversity with personal support and a deliberately intimate learning environment, students get up-close and personal with the subjects they are most passionate about, enabling them to "look close, see further, and do more."

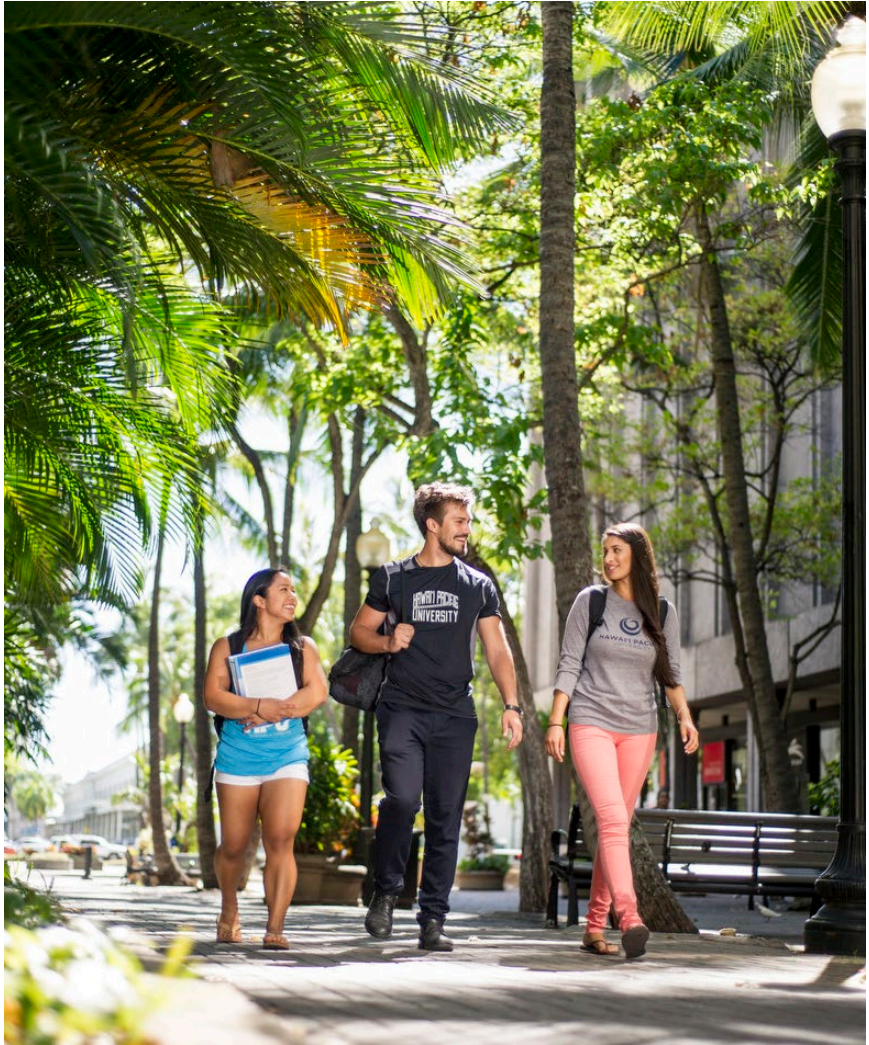
FACULTY AND STAFF

Approximately 700 men and women make up the faculty and administrative staff of Hawai'i Pacific University—individuals who share the university's mission as an institution of higher learning and its credo of personal and individualized attention and service to both students and the community. Staff and faculty are seen as a team of professionals working together to actualize the institution's mission and goals, as well as the educational and career objectives of students, faculty, and staff. Administrative staff and faculty members jointly serve on key committees and task forces of the university. Administrators and faculty have credentials from major universities including Harvard, Princeton, Stanford, University of California, Berkeley, Columbia University, Scripps Institution of Oceanography, Woods Hole Oceanographic Institution, and the University of Pennsylvania.

Augmenting the career faculty are leading practitioners in the arts, government, the not-for-profit sector, business, technology, science, accounting, and law, who provide students with a contemporary and pragmatic orientation to their respective fields. Although a great majority of faculty have international reputations as scholars, all are primarily classroom instructors, because teaching and learning constitute the principal responsibilities of HPU.



ADMISSION, FINANCIAL AID, AND TUITION



ADMISSION: GENERAL

Admission to Hawai'i Pacific University and to any of its degree programs is based primarily upon a combination of academic ability and motivation. All applicants are reviewed without regard to sex, race, age, color, disability, religion, sexual orientation, or national or ethnic origin. A student's previous academic records, grade point average (GPA), extra-curricular involvement, relevant test scores, recommendations, and work experience are all used to determine eligibility for enrollment.

FIRST-TIME FRESHMEN

GPA

Students are preferred to have a 3.0 GPA or above in high school college preparatory courses. The greatest weight is given to courses taken in the junior and senior years. Students with a GPA lower than a 3.0 may be considered for admission with additional supplemental requirements that may include an interview with an admission counselor, first-semester senior year transcripts, and a personal statement describing their educational and personal objectives. HPU encourages students to take Advanced Placement (AP), International Baccalaureate (IB), or other honors courses.

TEST SCORES

Domestic students should have results from the Scholastic Aptitude Test (SAT) or American College Testing (ACT) sent to the Office of Admission if the results are not on their high school transcripts. While strong scores enhance a student's chances of admission, low scores alone do not prevent acceptance.

International students and non-native speakers require proof of English proficiency.

LETTERS OF RECOMMENDATION

Letters of recommendation are strongly encouraged.

TRANSCRIPTS

"Unofficial" transcripts may be submitted with the application for admission purposes. However, upon enrollment, all official transcripts must be submitted. Official transcripts must be sent to the HPU Office of Admissions directly from the school registrar or institution's records office. Official documents should not be faxed or photocopied, and must contain an original signature, stamp or seal.

All international transcripts must be accompanied by an official English translation by a certified and accredited service.

ESSAY

Students are strongly encouraged to submit an essay with their application stating personal and educational objectives.

RECOMMENDED HIGH SCHOOL COURSES

In preparation for undertaking academic studies at the university, it is recommended that applicants have completed at a minimum the following courses:

- | | |
|---------|---------------------------|
| 4 years | English |
| 4 years | History or Social Science |
| 3 years | Mathematics |
| 2 years | Science |

2 years Modern or Foreign Language

ADDITIONAL REQUIREMENTS FOR HOME-SCHOOLED APPLICANTS

- Submission of transcript/record of grades and statement describing home school structure and mission.
- An interview with a member of the admission committee.

ADVANCED PLACEMENT OF FRESHMAN STUDENTS

Students who have taken the Advanced Placement Examinations of the College Board (AP) or the International Baccalaureate Program (IB) should have the official results forwarded to the Office of Admission. These results will be evaluated for proper advanced standing and/or college credit.

TRANSFER STUDENTS

24 or more transferable credits

Students seeking to transfer to HPU with 24 or more transferable credits are preferred to have a 2.75 GPA or higher.

Applicants must submit official transcripts from each regionally accredited college or university attended in order to be considered for transfer credit. Applicants transferring from schools located outside of the U.S. must also submit official, English-translated transcript(s) and course descriptions.

For applicants who have been out of school for several years, Hawai'i Pacific University makes a comprehensive assessment by examining not only their prior academic performance but other factors as well. Work experience and a student's motivation to succeed are taken into consideration along with letters of recommendation.

Additional Requirements for 23 or less transferable credits

Students seeking to transfer to HPU with fewer than 24 transferable credits must also submit their official high school transcripts, GED, or their international equivalent for review. A combination of both secondary and post-secondary transcripts will be reviewed, with greatest weight given to post-secondary transcripts. A student should have a 2.75 or above at the post-secondary level and a 3.0 or above at the secondary level.

ACADEMIC FOUNDATION PROGRAM (AFP)

International students that meet the academic criteria to attend HPU but do not have the English proficiency necessary to take regular HPU courses will be admitted to AFP. In order to matriculate into full-time regular courses, these students would need to successfully complete all levels of AFP.

BACKGROUND CHECKS

All students should be advised that Hawai'i Pacific University offers courses of study in many different fields, some of which prepare students for professional careers that require licenses from the various states where our graduates might find employment. Many of these states condition the granting of licenses based on criminal background checks to determine whether the applicant has felony criminal convictions. Also, some of the courses offered at Hawai'i Pacific University require that criminal background checks be conducted prior to placement in field-based activities or acceptance of students into clinical-type courses which are conducted off-campus in community agencies. As students decide to enter various degree programs here,

they should carefully read the specific program handbook and confirm the requirements for post-graduate employment.

MARINE SCIENCE AND ENVIRONMENTAL SCIENCE MAJORS

Admission of Freshmen

In addition to satisfying all regular Hawai'i Pacific University requirements, students must also have completed three years of high school science courses including biology and chemistry (physics is recommended) and mathematics through trigonometry (calculus is recommended), with a cumulative GPA of 3.0 or better in these courses.

Students not accepted into the marine biology or environmental science majors may have an opportunity to enroll in these majors at the end of the freshman year after demonstrating the ability to successfully complete college-level science and mathematics courses. Students should work directly with their academic advisor.

NURSING

In addition to satisfying all regular Hawai'i Pacific University admission requirements, students who are applying for the Bachelor of Science in Nursing program must meet additional requirements. Only those applicants who are deemed admissible to the university will be considered for admission into the BSN program. The nursing program is highly competitive. Meeting minimum criteria for admission does not guarantee acceptance to the program.

Any transfer student seeking admission into the nursing program who was previously pursuing a nursing degree at another college/university must submit a letter of good standing from the dean of that college or university program prior to receiving an evaluation for possible transfer nursing credit by Hawai'i Pacific University. The letter of good standing must be an original letter, printed on the school's letterhead, and must include the dean's or school official's name, signature, and legible contact information. The letter should be sent directly to the HPU Office of Admission.

Transfer students who have completed their prerequisite course work at an accredited university or college other than HPU must apply to both the university and the BSN program.

To review the admission criteria and procedures for the BSN, students are encouraged to refer to the College of Health and Society nursing website at www.hpu.edu/chs/nursing/bsn/index.html.

EARLY ENTRY

High school juniors and seniors with above-average academic records, who have exhausted the appropriate academic coursework at their high school and who can demonstrate that they would benefit from a university environment, may apply for early entry into the university. An assessment and recommendation from a high school counselor is required.

SPECIAL STATUS (NON-DEGREE SEEKING STUDENTS)

Students who wish to take undergraduate credit courses at Hawai'i Pacific University, who are not seeking a degree or participation in the cooperative education or federal financial aid programs, may apply directly with the Admission Office. Non-native speakers of English may be asked to demonstrate their English proficiency. Credit taken in this category is limited to 15 credit hours. These credits may be applied to a degree program should a special status

student apply for admission as a degree-seeking student.

VISITING STUDENT

A visiting student is defined as a student currently attending another university who wants to attend HPU for a predetermined period of time and take university-level classes that have been pre-approved by the student's home institution for a maximum of two semesters. A visiting student may also be a student who has completed a minimum of secondary school or equivalent and wants to take a semester or a year before starting university studies in his or her home country.

To establish status as a visiting student, one must apply directly to the "Visiting Student Program at Hawai'i Pacific University" using the appropriate application form and be accepted directly to the program. In addition, the student must submit an official transcript translated into English. Upon request for evaluation of previous academic experience, the student must submit specific course descriptions in English. Visiting students will be allowed to register for classes that have been approved by both their home university and by Hawai'i Pacific University. (For upper-level subjects, HPU will require that the student has successfully undertaken previous study in that discipline.)

If a visiting student later decides to become a degree-seeking student at HPU, he or she will be required to submit a degree-seeking application and abide by the University's catalog requirements for the student's major. In this case, a transcript evaluation will be completed to determine the amount of transfer credits awarded.

APPLICATION FORM

Undergraduate applicants apply using the Common Application available at www.commonapp.org or via HPU's Admission Application at www.hpu.edu/apply. The application fee is due at the time of application for admission.

All students should submit their application and supporting documents to:

Hawai'i Pacific University Admission Office
1 Aloha Tower Drive,
Honolulu, HI 96813-9887
TEL (808) 544-0238
FAX (808) 544-1136
Email: admissions@hpu.edu
Web: www.hpu.edu

FINANCIAL AID: GENERAL

The financial aid programs at Hawai'i Pacific University are designed to help students supplement their financial resources and those of their parents or spouses in financing their education. Since the responsibility for education lies first and foremost with the student and the student's family, each is expected to contribute financially toward the educational expenses of the student according to ability. Such factors as income, assets, number of dependents, etc., are taken into consideration. The University recognizes that a family may not be able to meet all of the student's educational expenses and has a strong commitment to awarding financial aid.

Hawai'i Pacific University Financial Aid Handbook

Visit www.hpu.edu/financialaid for details about financial aid. Information such as the student's

rights and responsibilities; how the selection, notification, and disbursement of funds process works; terms and conditions of awards; the federal refund policy; and so forth are found on the website.

Financial Aid Office

The Financial Aid Office, located at the downtown campus, is open Monday-Friday (except holidays), 8:00 a.m. to 5:00 p.m., and may be reached by calling (808) 544-0253, or toll-free (U.S. and Canada) (866) CALL-HPU (225-5478), or emailing financialaid@hpu.edu.

Eligibility for Federal Aid

To be considered for federally funded financial aid at Hawai'i Pacific University, an applicant must:

1. be a U.S. citizen or eligible noncitizen;
2. have a high school diploma, GED, or equivalent certification which includes secondary home school completion as recognized by state law, an associate's degree, or two years of credits toward a baccalaureate degree (60 semester credit hours of 72 quarter credit hours);
3. be enrolled as a regular student in a degree-seeking program; financial aid is not available for certificate programs;
4. have filed a Free Application for Federal Student Aid (FAFSA);
5. have submitted all verification documents required by the Financial Aid Office;
6. be making satisfactory academic progress toward a degree (continuing students);
7. not be in default on a loan or owe a refund on a federal grant;
8. have a demonstrated financial need or otherwise be eligible for an unsubsidized loan program;
9. be registered with Selective Service, if required;
10. comply with federal Anti-Drug Abuse Certification requirements and agree to use student aid only for education-related expenses.

The FAFSA is available online at www.fafsa.gov. A paper FAFSA can be obtained by calling (800) 433-3243. Financial aid is not automatically renewable from one year to the next, so a FAFSA or Renewal FAFSA must be submitted each year after October 1 preceding the award year. Submission of the FAFSA serves as the one-time annual application for all federal financial aid programs. Subsequent corrections may be required.

The process of applying for financial aid takes about six to eight weeks to complete. Students with a processed FAFSA by March 1 will be given first consideration for all forms of financial aid. The University will make initial offers of financial aid by mid-March to all applicants who have been accepted for admission and for whom the University has received processed information from the federal government's central processor.

Forms of Financial Aid

Grants and scholarships are direct gifts that do not normally require repayment. Federal grants are available to students who have demonstrated exceptional financial need through the processed FAFSA, which undergoes need analysis computation by the federal government.

Loans are borrowed money which must be repaid with interest. Most loan programs allow students the opportunity to defer repayment for their education until they have graduated from the university. Student loans generally have low interest rates and allow for long-term repayment. Most loans administered by the university are sponsored by the federal government.

Federal Work-Study (FWS) is awarded to students who have demonstrated need through the

FAFSA. Students work part-time in various university departments, or in community service jobs off campus, up to the limit of their established award and are paid bi-weekly.

Please note: Guidelines and provisions for financial aid are based on federal legislation. As such, programs may change as legislation is changed (e.g., introduction of a new loan program, new loan limits, application changes, etc., necessitated by the reauthorization of the Higher Education Act). For the latest information concerning financial aid, contact the university's Financial Aid Office.

FEDERAL FINANCIAL AID

The majority of funds awarded by Hawai'i Pacific University come from the federal government and are awarded primarily on the basis of financial need. The federal programs include:

Federal Pell Grant

A need-based award available to students who do not have a prior bachelor's degree. The actual amount of the grant award is determined by the Expected Family Contribution (EFC), which is calculated on the basis of federal methodology (includes analysis of income, assets, family size, number in college, etc.). For the 2017–2018 academic year, the Pell Grant award may range from \$593 to \$5,920, depending on the EFC calculated and enrollment status.

Federal Supplemental Educational Opportunity Grant (FSEOG)

A limited supplemental need-based award available to the students with the greatest need who are eligible for a Pell Grant and do not have a bachelor's degree. Award maximum is \$1,000 per school year based on the availability of funds.

Nursing Student Loan (NSL)

Available to nursing students who demonstrate financial need. Maximum awards of \$4,000 per year, or up to the student's remaining need, are made to nursing students enrolled in the final two years of their bachelor's program. Interest is five percent, and repayment begins nine months after the borrower graduates or leaves school.

Federal Work-Study (FWS)

Available to students enrolled in an undergraduate program of study who have financial need. Students may be offered work-study up to 19 hours per week depending upon financial need and the availability of funds. Awards range from \$1,500 to \$3,000 per year. Funds are paid for students working the hours of their job. There are a limited number of FWS jobs available for students and placement is not guaranteed.

WILLIAM D. FORD DIRECT LOAN PROGRAM

Federal Direct Subsidized Loan

Need-based, fixed interest loan made through the Department of Education to undergraduate and graduate students. Generally, repayment begins six months after the borrower graduates or ceases to be at least a half-time student. Interest rate is capped at 8.25 percent. The federal government pays (subsidizes) the interest on the loan while the student is attending school. First-year dependent students may borrow up to \$3,500; second-year students up to \$4,500; undergraduate students who have completed two years up to \$5,500 (as determined by credits completed). Aggregate loan limit is \$23,000 for undergraduate students.

Federal Direct Unsubsidized Loan

This is a non-need based loan. Through the unsubsidized loan, all students, regardless of income, are able to obtain a student loan. Interest payments begin on the day the loan is

disbursed; however, students may allow interest to accrue during in-school and other deferment periods. If accrued, interest will be capitalized by the lender and added to the loan principal. Repayment of loan principal begins six months after the student graduates or ceases to be enrolled at least half-time.

Eligible independent students (24 years of age, married, etc.) may also borrow \$6,000 for the first two years of undergraduate study. Independent students who have completed two years of undergraduate study may borrow up to \$7,000. Graduate students may borrow up to \$20,500 per year. Aggregate loan limit for undergraduate students is \$57,500. Graduate and professional students may borrow a combined amount of \$138,500 (including loans borrowed at the undergraduate level).

Federal Parent Loan for Undergraduate Students (PLUS)

This is a non-need based loan available to natural or adoptive parents of dependent students. Eligible parents may borrow up to the cost of attendance (total of tuition, books, room and board, personal expenses, transportation, etc.) minus any other aid awarded (refer to student's award letter). The interest rate is capped at 10.50 percent. Parents must have acceptable credit history to be eligible for the PLUS loan. Repayment usually begins after the loan is fully disbursed.

Federal Grad PLUS Loan

This is a non-need based loan available to eligible students pursuing a graduate degree. Students may borrow up to the cost of attendance minus any other aid awarded. This loan is based on the credit of the borrowing student. Repayment will begin after the loan is fully dispersed.

TUITION MANAGEMENT SYSTEMS

Hawai'i Pacific University is pleased to offer the services of Tuition Management Systems (TMS). Their payment plans are available to help students afford their educational expenses on a monthly basis. The plans are interest free and allow students to have smaller payment installments. These plans are offered for Fall and Spring (5-, 4-, and 3-month plans offered each term), and Summer (2-month plans). There are no payment plans for the 4-week Winter term. Students can see the deadlines to sign up for payment plans on the website: www.hpu.edu/business-office/monthly-payment.html. Learn more about TMS on their website: www.hpu.afford.com. Students can also contact TMS directly by phone at (800) 722-4867.

LEAVE OF ABSENCE

A student maintains "continuous enrollment" by being enrolled in courses at the university throughout each fall and spring term following admission. Students who plan to interrupt their continuous enrollment should apply for a leave of absence.

Students contemplating a leave of absence who have previously been awarded a loan under the Direct Loan Program (Stafford/PLUS Loan) are required to contact the Financial Aid Office and their lender prior to commencing a leave of absence to ascertain their repayment status. Students wishing to request a leave of absence should see an academic advisor who will assist them in requesting the leave. For Title IV purposes, a Leave of Absence is treated as a withdrawal.

HAWAI'I PACIFIC UNIVERSITY SCHOLARSHIP PROGRAMS

Hawai'i Pacific University scholarships are awarded on the basis of merit or talent as demonstrated in the application process. There are annual and endowed scholarships that are

available for primarily continuing students to the university. Continuing HPU students are notified when this application period is open and closes.

Contact the University's Athletic Office, 1166 Fort Street Mall, Honolulu, HI 96813, for information concerning potential opportunities to participate on an HPU athletic team and eligibility requirements to earn athletic scholarships.

TAX BENEFITS FOR EDUCATION

American Opportunity Tax Credit

(Current as of publication date)

The American Opportunity Tax Credit is a tax credit available for the first four years of college or postsecondary education. If eligible, up to \$2,500 can be subtracted from the total tax on the filer's tax return. It is offered to parents or students who pay college tuition for attendance at least half time. In order for a parent to claim the credit, the student must be his or her dependent, must be under age 24, and must be enrolled at least half-time in a degree program.

Lifetime Learning Tax Credit

Taxpayers enrolled in post-secondary education may be eligible to receive a 20 percent tax credit on the first \$10,000 of tuition and required fees paid each year. The maximum deduction is \$2,000.

Tax Benefits for Interest Paid on Student Loans

The interest paid on a qualified education loan may be deductible from taxpayer income. The maximum allowance is \$2,500 per year. Both students and parents are eligible. This will not be a credit to reduce tax, but a "deduction" from gross income. The deduction is available even if the taxpayer does not itemize deductions on Schedule A.

For more information on Tax Guidelines contact:

- A tax advisor
- The IRS hotline: (800) 829-1040 or website: www.irs.gov

TUITION

Like most independent universities, Hawai'i Pacific receives minimal support from public funds. Tuition and fees must cover the majority of what it costs the University to provide its services, with the balance of expenses being met by income from gifts and grants. Because prompt payment of student bills is crucial for University operations, tuition and fees are due two weeks prior to the start date of each term or session.

The tuition and fee schedules can be found at the HPU website: www.hpu.edu/business-office/fee-schedule.html. Tuition and fees are subject to change. This website is updated monthly to reflect the current charges.



STUDENT SUCCESS SUPPORT SERVICES



ADMISSION OFFICE

The Office of Admission assists students interested in applying to the university. The admission staff is available to answer questions about HPU, explain requirements for entrance, and evaluate transfer credits from other accredited institutions of higher learning. Tours of HPU's campuses are available and may be coordinated through this office. For more specific information about admissions requirements, see the Admission section.

For those interested in a graduate degree and the admission requirements, please refer to the Graduate Studies section of this catalog or visit the website: www.hpu.edu/grad.

BUSINESS OFFICE

The Business Office is responsible for the overall accounting, financial reporting, accounts receivable, accounts payable, fixed assets, and cash management for the university. The Business Office provides students with assistance in the following areas:

- Understanding the charges to their student account
- Creating eBill Statements for viewing on Pipeline's **eBill + Pay Bill**
- Creating a budget and setting up payment plans online through Tuition Management Systems (TMS)
- Accepting and receipting payments online or in person
- Servicing Federal Nursing and Perkins loans
- Processing financial aid refunds once the Financial Aid Office has awarded aid to the student's account
- Processing non-financial aid refund requests
- Processing 1098-Ts
- Reviewing financial holds: Account Balance (AB) and Super (MS)

Students can learn more about making payments, creating Monthly Payment Plans, billing and eBills, Business Office Policies and Deadlines, 1098-T information and much more by visiting our website, www.hpu.edu/business-office.

Paying Tuition: www.hpu.edu/business-office/paying-tuition.html.

Monthly Payment Plans: www.hpu.edu/business-office/fee-schedule.html.

Billing and eBills: www.hpu.edu/business-office/billing.html.

Policies and Deadlines: www.hpu.edu/business-office/policies-deadlines.html.

Form 1098-T: www.hpu.edu/business-office/1098t-tax-form.html.

Students may contact the Business Office in person (UB1200, 8:00 a.m. to 5:00 p.m. [HST], Monday through Friday, excluding observed University holidays), by phone (808) 356-5272, or by email (ar@hpu.edu). Email is the recommended form of communication with the Business Office. With email, students can provide in-depth details and attachments to help the staff understand and address their concern. Students should always include their Student ID number so the Business Office can easily access the appropriate student account.

The office is physically located on the Downtown Campus in the Upper Bishop Building (UB), 1164 Bishop Street, Suite 1200, Honolulu, HI 96813.

FINANCIAL AID OFFICE

The university participates in various federally-funded, need-based financial aid programs, including grants, low-interest loans, and work opportunities. The university also administers

merit-based scholarship programs for new and continuing students. For further information, see the Financial Aid section.

MILITARY/VETERANS CENTER

U.S. military veterans, active duty, members of the Selected Reserve, National Guard, and some family members may be eligible to receive education benefits through the Department of Veterans Affairs (VA). The HPU Military/Veterans Center is available to assist students with VA benefit information, paperwork, and enrollment certification.

MILITARY CAMPUS PROGRAMS AND SERVICES

College of Professional Studies (CPS), home of Military Campus Programs, maintains a full-time student services staff and offers courses as well as programs on all major O'ahu military installations. It operates the Military/Veterans Center on the downtown campus. Staff are also available by telephone and email to support the needs of students located off-island who are taking courses through CPS's distance learning programs. Further information is available in the College of Professional Studies section of the catalog and on the HPU website at www.hpu.edu/military-and-veterans/index.html.

VETERAN'S BENEFITS

Students planning to utilize VA education benefits while attending HPU must first apply for benefits through the Veterans On-Line Application (VONAPP) website. Disabled veterans seeking enrollment under the VA's Vocational Rehabilitation and Employment (VR&E) program should contact their local VA Regional Office for more information.

Once eligibility is confirmed by the VA, the student will receive a Certificate of Eligibility (COE) and is now ready to register for courses. Students may register for courses at any Hawai'i Pacific University registration center. Students must notify their advisor at the time of registration that they intend to use their VA education benefits. Students must also contact the Military/Veterans Center for guidance on the processing of their course certifications. Staying in contact with the Military/Veterans Center will facilitate the course certification process for the student, the school, and the VA. Late and adjusted certifications will result in a delay of all benefit payments, so it is incumbent upon the student to ensure accurate processing of program certifications.

All recipients of veteran's benefits must meet satisfactory progress standards in order to continue receiving benefits. These requirements vary with course load, length of the academic term, and the degree program of study. Federal law prohibits the certification of courses that do not meet specific degree program requirements. Degree-seeking students must declare an appropriate program of study and are eligible to receive VA education benefits. Non-degree-seeking students (Special Status) are generally ineligible for VA education benefits. However, degree-seeking students from other appropriately accredited and approved institutions may take courses with Hawai'i Pacific University for transfer to their home institution, provided the HPU Military/Veterans Center has documentation verifying the course will meet the student's degree requirements.

Students are required to immediately notify the HPU VA Coordinator of any changes to registration, tuition, or fees, for certification adjustments. Likewise, if a student fails to complete a certified course, either by drop or non-attendance, the student is required to immediately notify the HPU VA Coordinator. Students are responsible for any debts owed to the VA or the university resulting from schedule changes, drops or withdrawals, non-

attendance, failure to maintain academic progress, or less-than-anticipated eligibility or ineligibility of veteran benefits regardless of original method of payment.

Questions regarding eligibility, payments, or benefits should be directed to the VA at www.gibill.va.gov, or (888) GI-Bill-1. To contact the HPU VACertifying Official, please contact va@hpu.edu or (808) 356-5222.

ROTC

Interested and qualified HPU students may participate in the Military Science and Aerospace Studies (Army and Air Force ROTC) programs located nearby at the University of Hawai'i at Mānoa campus. These programs are traditionally four-year programs consisting of a basic course and an advanced course. However, a two-year program course of study for students at four-year colleges who did not take ROTC during their first two years is also offered. Students register for these courses at Hawai'i Pacific University and attend the training and lecture sessions at the University of Hawai'i at Mānoa campus. For more information, students should contact the HPU Military/Veteran Center or the Air Force or Army program representatives at (808) 956-7734 (Air Force ROTC) or (808) 956-7766 (Army ROTC).

ACADEMIC ADVISING

Academic Advisors help students set and achieve their academic and personal goals. These goals are realized through our cohort advising model, which enables students to develop a collaborative working relationship with a professional advisor. Through mentorship, students are able to define and implement sound educational plans that are consistent with their personal values, goals, and career plans.

The staff is available to assist students with the following:

- Making a smooth transition from high school, other institutions, or professional experiences
- Registering for classes
- Making satisfactory academic progress
- Declaring or changing a major, minor, and/or concentration
- Creating an academic plan and track progress toward graduation
- Understanding degree and university policies and requirements
- Counseling students who are struggling academically and making appropriate referrals as needed

For questions about advisor locations and availability, please contact the Academic Advising Office located on the downtown campus [phone: (808) 544-1198; email: advising@hpu.edu; office: 1164 Bishop Street, Suite 123 (UB Building)]. Most students are assigned advisors based on their intended major. Students who have not selected a major will work with an advisor who will guide them through selecting an appropriate degree program. While drop-in services are available on a first-come, first-served basis on selected days, students are encouraged to call or go online at hpu.edu/academic-advising for an appointment.

CAREER DEVELOPMENT CENTER

The Career Development Center (CDC) provides a wide array of career-related resources to meet the needs of all students and alumni. The professional career advising team helps students with major choices, career exploration, and professional development so that upon graduation, they can easily transition from student to working professional. In order to gain full advantage of the services, students are encouraged to visit the Career Development Center early and not

wait until they are ready to graduate. According to most employers, the one area most applicants lack is experience. HPU's internships and cooperative education programs offer valuable work experience opportunities and provide access into the field or industry in which students are majoring. Resources and services are provided free of charge to HPU's student body and alumni from the Downtown, Hawai'i Loa, Oceanic Institute, and Military Campuses. Arrangements can also be made to provide services for those in HPU's distance learning programs.

Services Provided:

- Career advising
- Career development workshops
- Interest and personality assessments
- On-campus employer recruitment
- Cooperative education and internship programs
- Job search assistance
- Résumé writing assistance
- HPU Connect: Online Job Search Platform
- Mock interviews

Employment for International Students

International students may engage in required practical experience subject to approval from the Office of International Students and Scholars (OISS). During their first year at Hawai'i Pacific University, international students must strive to develop proficient English verbal and written skills and are encouraged to learn about American social and business customs. Federal SEVIS immigration regulations provide limited opportunities for international students to engage in employment off campus. The Career Development advisors work together with OISS for approval to ensure that international students find appropriate co-ops and internships and meet all legal requirements for work as defined by the U.S. Bureau of Citizenship and Immigration Services.

Location and Hours:

The Career Development Center is located at 1164 Bishop Street (UB Building), Suite 122. Students and alumni are highly encouraged to schedule an appointment for one-on-one personalized services.

COUNSELING AND BEHAVIORAL HEALTH SERVICES

Counseling services are made available to provide support and help HPU students work through difficult or challenging life situations and/or changes through various counseling opportunities, including:

- Individual counseling
- Couples counseling
- Group counseling
- Family counseling
- Referral services
- Crisis support services
- Outreach Services

Licensed psychologists provide services at the Downtown and Hawai'i Loa campuses. To schedule an appointment, please call (808) 687-7076. Counseling services are free and confidential to all registered HPU students.

OFFICE OF INTERNATIONAL STUDENTS AND SCHOLARS

The Office of International Students and Scholars (OISS) has full-time advisors to assist international students with all their immigration concerns. Any questions about visas, passports, F-1 regulations, J-1 regulations, employment, full-time enrollment, physical presence enrollment, or any other immigration issue can be directed to the advisors.

OISS provides a variety of events, orientation sessions, immigration lawyer information sessions, and workshops for international students. The International Student Handbook, which can be found at the HPU website, provides a wealth of information on adjusting to American life, travel and immigration, employment, income tax, health care, community resources, and more.

International students are accepted for individual terms of study that include fall, spring and summer (certain programs only). Additional tuition is charged for those students who elect to attend the University's summer term. A Statement of Financial Support (SFS) showing sufficient financial resources in USD, along with a financial institution verification of liquid assets, must be submitted on bank letterhead.

Location and Hours

The Office of International Students and Scholars is located at 1164 Bishop Street (UB building) on the 2nd floor in Suite 200. Students are highly encouraged to call (808) 356-5299 to schedule an appointment. Hours of operation are Monday through Friday, 8:00 a.m. to 4:45 p.m. (HST), excluding observed University holidays and weekends. For more information, please visit our website at www.hpu.edu/OISS or email us at iss@hpu.edu.

REGISTRAR'S OFFICE

The Registrar's Office provides the HPU community with a comprehensive information and service center for registration, academic records, and other related functions. The friendly employees are available to assist students, faculty, and staff with the following:

- Providing general university information
- Answering questions related to registration policies and procedures
- Facilitating requests for record changes (e.g., student name, addresses, telephone, and emergency contact)
- Issuing letters to verify enrollment, degrees awarded, and student loan deferments
- Processing requests for official transcripts and/or course descriptions
- Processing degree evaluations and conferring degree(s), and issuing HPU diplomas
- Responding to inquiries about student records; maintaining student academic records
- Processing grades, grade changes, academic probation, suspension, and/or dismissal
- Coordinating student registration information and maintenance of academic records with various departments and offices
- Managing the security and confidentiality of student records in accordance with FERPA
- Issuing new and replacement ID cards

The Registrar's Office is located on the downtown campus at 1164 Bishop Street (UB Building), Suite 216. Hours of operation are Monday through Friday, 8:00 a.m. to 5:00 p.m. (HST), excluding observed University holidays. For more information, please contact registrar@hpu.edu or (808) 544-0239.

HPU UNICARD (ID CARD)

The HPU UniCard serves as the official photo identification for students, faculty, and staff and is required for several activities such as voting in student elections, using the intercampus shuttle service, borrowing materials from the University Libraries, entering the ATM Learning Commons, and receiving tutorial services on both campuses. It entitles the bearer to free or reduced-rate entrance to athletic events and other Student Activities-sponsored functions. Also, many merchants offer discounts to holders of the HPU UniCard.

HPU UniCard Services are provided in the Registrar's Office on the downtown campus, and at the ETC on the Hawaii Loa campus. There is no charge for the initial HPU UniCard, but there is a charge of \$25.00 for a replacement card. Replacement cards are only issued in the Registrar's Office.

New Students

To obtain an HPU UniCard, each new student must present his/her government-issued photo identification, such as passport, driver's license, or state ID card. HPU staff will verify that the student has registered for classes, take the student's photo, and create the HPU UniCard. The HPU UniCard is generally available for pick-up the same day that the photo is taken.

Continuing Students

Students who were issued HPU UniCards in a previous term need only to have their cards validated for the next term of enrollment. A student must present his or her HPU UniCard, and HPU staff will verify registration. Continuing students attending classes on the military bases may have their ID cards validated on the base.

New Faculty and Staff Members

New faculty and staff members will have their HPU UniCard photo taken at the Human Resources Office once they have completed the required new hire forms. Their HPU UniCard will be sent to their respective department office for pick-up.

UNIVERSITY BOOKSTORE

Barnes & Noble at Hawai'i Pacific University stocks required and recommended textbooks and related materials for courses, many of which are available in a digital format or for rent. The bookstore also stocks a wide variety of school spirit gifts and apparel, school and tech supplies, a robust general reading selection, along with cold drinks, dorm products, and trending lines such as Burt's Bees, SakRoots, and more.

The store is located at the Aloha Tower Marketplace, fronting Nimitz Highway. The textbooks for the Hawaii Loa and military campuses are available at the downtown campus store and online.

Textbooks and most products are available on our website at hpu.edu/student-services/bookstore.html.

STUDENT ACTIVITIES

The Office of Student Activities develops and implements comprehensive co-curricular and extra-curricular programs, activities, and services that support and enhance the college experience at HPU. In partnership with HPU departments, Student Activities strives to connect students with their peers, faculty, and staff; promote school spirit and pride; foster social and learning communities; offer leadership and mentorship opportunities; and

acclimate students to the university and Hawai‘i. In addition, the staff advises student groups; engages students in thoughtful discussion on local and world matters; and supports students’ personal and professional development.

Student Organizations, Programs and Initiatives

The Office of Student Activities staff advises the Student Government Association (SGA), Campus Activities Board (CAB), Registered Student Organizations (RSOs), and Student Activity Fee Allocation Committee. Activities and annual events include leadership development opportunities (e.g., HPU L.E.A.D.S., Take the Lead Seminars), Welcome Week, Club Carnival, Hawai‘i Spotlight, Halloween FunFest, Da Freakshow (talent show), and much more. For more information on current and future initiatives, visit our website at <http://www.hpu.edu/student-activities>, contact us at (808) 544-0277 or email us at studentlife@hpu.edu.

Registered Student Organizations (RSOs)

There are a variety of clubs and organizations that give students an opportunity to contribute to campus life at HPU. These Registered Student Organizations (RSOs), supported by the Office of Student Activities, provide a wide range of social, academic, professional, recreational, and community service activities to encourage student involvement. HPU RSOs are divided into three categories: academic and professional, cultural and spiritual, and special interest. Students are encouraged to join an organization or start a new club that meets their needs and interests. For more information, go to www.hpu.edu/clubs.

Student Government Association (SGA)

SGA is the student government of HPU, and the members serve as advocates and the voice for the student body. SGA is comprised of an executive branch, student senate, and judicial council. For more information, go to www.hpu.edu/sga.

Campus Activities Board (CAB)

CAB is a student-run organization that strives to enhance the HPU experience through quality entertainment, creative programming, and community involvement. For more information, go to www.hpu.edu/cab.

MUSIC PROGRAMS

Band

Hawai‘i Pacific University’s Band Program is comprised of a Pep Band, Hawaiian Ensemble, and Jazz Combo when instrumentation allows. Members of the Band Program play a variety of music, including show, rock, swing, and jazz, at HPU’s volleyball and basketball games. In addition to supporting our athletic teams, they are often featured at university pep rallies, graduations, orientations, and other special events on campus. Academic credit is offered as MUS 3700. Each candidate must demonstrate a high level of proficiency on at least one of the featured instruments (flute, oboe, clarinet, bassoon, alto, tenor, and baritone saxophone, trumpet, trombone, bass trombone, tuba, piano, guitar, bass guitar, and percussion).

Chamber and Symphony Orchestras

The HPU Chamber Orchestra is comprised of highly skilled violinists, violists, cellists, and double bassists. The Symphony is comprised of a combination of strings, woodwinds, brass, and percussion. The Orchestra performs for a variety of university and campus events, as well as with the International Chorale and Vocal Ensemble. Music performed is mainly from the Renaissance, Baroque, and Romantic genres. Academic credit is offered as MUS 3720.

International Chorale and Vocal Ensemble

Diversity plays a key role in the HPU experience and the International Chorale and International Vocal Ensemble. Choral activities, made up of talented students from Hawai'i, the mainland U.S., and other countries, truly embody that diversity. The International Chorale is composed of talented choral enthusiasts from the HPU community of students, faculty, and staff, as well as singers from the community at large and performs choral repertoire from multi-ethnic sources. The International Vocal Ensemble (IVE) is composed of select singers who are recruited and auditioned for their vocal talents and experience. The IVE makes up the vocal core of HPU's International Chorale. Performance venues include campus events, a fall and spring concert, as well as performance tours locally and globally. Academic credit is offered as MUS 1710 for International Chorale and MUS 3710 for IVE.

THEATRE AT HPU

Hawai'i Pacific University offers a unique experience for students interested in studying theatre. Acting and production courses give students the opportunity to apply both technical and performance skills to the two mainstage performances onstage at the Paul and Vi Loo Theatre in the fall and spring. Because these major productions involve actors, designers, and technicians from the community, students have the opportunity to work with many theatre professionals, both on- and off-stage, and every effort is made to bring HPU students into the mix. The HPU Paul and Vi Loo Theatre has earned numerous awards for acting, directing, ensemble performance, playwriting, and overall play production. There is also a lively drama club on campus, which offers extra-curricular activities for students interested in theatre and film.

OFFICE OF FIRST YEAR EXPERIENCE

The Office of First Year Experience (FYE) develops and implements comprehensive programs and services that promote, support, and enhance the academic and co-curricular experiences of first year students at HPU. In partnership with various departments within both Academic and Student Affairs, FYE works collaboratively to provide academic and student support services, foster learning communities, develop students' leadership skills, acclimate first-year students to university life, and connect new students with returning students, faculty, and staff.

FYE Events and Services

The primary events available to students in FYE are HoloHolo (fun and casual trips to explore different areas in Hawai'i), Live Hawai'i (events like surfing lessons, visiting Pearl Harbor, etc.), and Be My Guest (free coffee and lunch for students who want to get to know their faculty in a casual setting). FYE also hires Peer Mentors and seeks out Hānai volunteers, who work to support students in their first semester by ensuring they feel they have someone on campus to support them as soon as they arrive.

New Student Orientation

All new students kick off their HPU experience with new student orientation (Passport Week in the fall). These few days are informative and fun-filled for incoming undergraduate first-year, transfer, and visiting international students. HPU provides opportunities to meet others, ease the transition to HPU, and help new students become familiar with the University community, services, and resources. New undergraduate students are assessed a one-time program fee for orientation. The fee will be charged to the students' accounts in July or December, and payment is due along with tuition. Additional information and registration materials are sent to new students in the mail and are available online at www.hpu.edu/orientation.

HOUSING AND RESIDENCE LIFE

Students may select from two residential communities: Hawai'i Loa Campus and the Waterfront Lofts at the Aloha Tower Marketplace. Each community is staffed by live-in student Community Advisors (CAs). An Area Coordinator, a full-time professional staff member, also lives in the community and helps to ensure that students have a safe and secure environment in which to live and learn. Each bedroom is equipped with basic furniture, including an extra-long twin bed, desk, and closet space and/or dresser for each resident. A variety of room types are available: studios, lofts, suites and bedrooms. Most bedrooms house 2, 3, or 4 students with either semi-private or shared bathroom facilities (depending on room type and location). Each building offers a community area for resident activities, group study, and programs conducted by University faculty and staff. All on-campus housing is nonsmoking.

Meal plans are required for residents at both the Waterfront Lofts and the Hawai'i Loa Campus. Students pay for a meal plan as part of the room-and-board housing fee. The Hawai'i Loa Dining Commons (DC), managed by Sodexo, is located in the center of the Hawai'i Loa residence hall complex. The meal program for Waterfront Lofts residents is managed by Aramark and is located at Aloha Tower Marketplace. Both provide meal service for students, faculty, and staff.

The Hawai'i Loa Student Center and Fitness Center provide students with a centralized area for social activities, leisure time, exercise, and group study. At the Student Center, students may use computers with internet access, a large-screen television, DVD player, foosball table, ping pong table, and pool table. Residents may also check out board games and other recreational items. Students who reside at the Waterfront Lofts have easy access to places such as the Learning Commons, Student Fitness Center, eSports Arena, outdoor lounge spaces, games (e.g., ping pong table, billiards table), public transportation, eateries, and shops in the downtown Honolulu area.

HONOR SOCIETIES

Hawai'i Pacific University has 19 honor societies. Student records are reviewed on a regular basis, and those who qualify for membership in each honor society are invited to join. In most cases, reviews are conducted during both fall and spring semesters. Additional information about HPU's honor societies, including names and contact information for their sponsors and qualifications for membership, is available online at www.hpu.edu/honor-societies/.

Prospective members must possess good reputation and character, and those who have been reported for academic misconduct are ineligible for membership. Each honor society conducts various activities for its members throughout the year. Formal induction ceremonies for new members are generally conducted during the fall or spring term.

Except for Chi Alpha Sigma, which inducts only during the spring semester, sponsors review currently enrolled students each fall and spring semester and send out invitations to those who meet the stated membership criteria (which are listed on the page for each society). In most cases, invitations are sent to students' official HPU email address. Students who believe that they meet the requirements for a particular honor society and do not receive an invitation may contact the sponsor of that honor society directly.

Honor Societies

Alpha Chi National Honor Society	Juniors and seniors enrolled in any undergraduate degree program
Alpha Epsilon Delta National Honor Society	Students with future aspirations to become healthcare professionals
Alpha Lambda Delta National Honor Society	Students enrolled in their first year at the university
Alpha Sigma Lambda National Honor Society	Adult students enrolled in their first undergraduate degree program
Beta Beta Beta National Honor Society	Students enrolled in the biological sciences
Chi Alpha Sigma National Honor Society	Students participating on HPU's NCAA teams
Delta Mu Delta International Honor Society	Students enrolled in business programs
Kappa Mu Epsilon National Honor Society	Students who completed at least three college courses in mathematics
Lambda Pi Eta National Honor Society	Students majoring in Communication
Mu Kappa Tau National Honor Society	Students majoring in Marketing
Phi Alpha National Honor Society	Students majoring in Social Work
Phi Alpha Theta National Honor Society	Students majoring in History
Pi Lambda Theta	Students enrolled in the B.Ed. or M.Ed. programs
Pi Sigma Alpha National Honor Society	Students majoring in Political Science
Psi Chi International Honor Society	Students majoring in Psychology
Sigma Delta Pi National Honor Society	Students with academic excellence in the study of Spanish
Sigma Tau Delta International Honor Society	Students majoring in English or minoring in Writing, Film Studies, or English
Sigma Theta Tau International Nursing Honor Society	Students majoring in Nursing
Upsilon Pi Epsilon International Honor Society	Students majoring in Computer Science

ALUMNI

The HPU 'ohana has a network of 45,000 alumni worldwide. HPU provides alumni several ways to stay connected to the university, including benefits such as Alumni ENewsletter, HPU Connect (online job search and recruitment tool), networking activities, discounts with university partners, and much more. The University Relations Department seeks to encourage the creation of lifelong relationships and alumni involvement in its global community. To learn more ways to connect with HPU and fellow alumni, please visit www.hpu.edu/stayconnected.

For additional information or assistance, alumni may contact:

Hawai'i Pacific University
 University Relations
 1 Aloha Tower Drive
 Honolulu, HI 96813 U.S.A.
 Telephone: (808) 687-7040
 Toll Free Telephone (866) CALL-HPU [U.S. and Canada only]
 Email: alumni@hpu.edu
 Web: www.hpu.edu/alumni

Alumni Regional Connections

Alumni regional connections enable alumni worldwide to maintain connections with each other and the University, promoting fellowship as well as personal and professional networking and growth.

The Regional Connections directory is available at www.hpu.edu/alumni/connections/index.html.

Visit often to see upcoming events in specific region. HPU currently has active connection points and ambassadors in the following locations:

U.S.A. Connections

California (Northern)
California (Southern)
Washington District of Columbia (DC) Metro
Florida (Miami)
Hawai'i
Illinois (Chicago)
Nevada (Las Vegas)
New York (NYC)
North Carolina—Research Triangle Region
Oregon (Portland)
Pennsylvania (Philadelphia)
Texas (Dallas and Fort Worth)

International Connections

Asia

India (Hyderabad)
Indonesia (Jakarta)
Japan (Okinawa, Tokyo)
Malaysia (Kuala Lumpur, Penang)
Singapore
Taiwan (Taipei)
Thailand (Bangkok)
Vietnam

Europe

Austria (Salzburg, Vienna)
Denmark
England (London)
Germany (Munich)
Luxembourg
Norway (Oslo)
Sweden (Malmo)

North America

Canada (Ontario-Toronto)
Mexico (Puebla)

ATHLETICS

The Athletics Department oversees the intercollegiate athletics program, campus recreation, and spirit programs such as Cheer, Dance, and Mascot.

Intercollegiate Athletics

The Intercollegiate Athletics program at Hawai'i Pacific University functions as an integral part of the academic and social environment of the university and community. Its coaches, student-athletes, and professional staff strive to maintain the highest standards of

academic achievement, sportsmanship, athletic competitiveness, integrity, and citizenship. The Sharks compete in the National Collegiate Athletic Association (NCAA) Division II and the Pacific West Conference, fielding 14 competitive teams in softball, baseball, women's acrobatics and tumbling, and women's volleyball, in addition to men's and women's programs in basketball, soccer, tennis, cross country, and golf. For more information on the Intercollegiate Athletics Program, visit our website at www.hpusharks.com or contact us at sharks@hpu.edu.

Campus Recreation

Campus Recreation offers students, faculty and staff at Hawai'i Pacific University exciting opportunities to stay physically active. Offering 24-hour access to the Hawai'i Loa Fitness Center, intramural sports leagues/tournaments, sport club opportunities, outdoor recreational activities, and fitness classes, Campus Recreation promotes a fun and healthy balance to an academic life. Campus Recreation also partners with companies throughout Hawai'i to offer discounts within the recreational community exclusive to HPU students. More information can be obtained by calling at (808) 544-9370 or emailing campusrec@hpu.edu. Stay active and stay healthy!

Cheer Team

Hawai'i Pacific University's Cheer Program strives to garner school spirit while representing the University and the State of Hawai'i. The Cheer Team performs at HPU's volleyball and basketball games as well as University pep rallies, Club Carnivals, orientations, and other special events on campus and in the community. Students interested in joining the Cheer Team are encouraged to demonstrate a high level of proficiency in tumbling, stunting, jumping; however, these skills are not required. Partial tuition waivers are available for incoming undergraduate students and returning Cheer Team members. For more information, contact Kim Hom, Spirit Programs administrator, at khom@hpu.edu.

Dance Team

The Dance Team performs at HPU's volleyball and basketball games, as well as university pep rallies, Club Carnivals, orientations, Intercultural Day, and many other special events on campus and within the community. Interested individuals must have extensive training in hip-hop, jazz, and pom, as well as elite technical skills in jumps, turns, and leaps. Strong ballet training is recommended. Partial tuition waivers are available for incoming undergraduate students and returning Dance Team members. For more information, contact Kim Hom at khom@hpu.edu.

Mascot

In the fall of 2003, Hawai'i Pacific University introduced Sharky, who has increased school spirit by interacting with fans at HPU's volleyball and basketball games. Sharky also appears at many other campus and community events as well. For more information, contact Kim Hom at khom@hpu.edu.

LIABILITY

Hawai'i Pacific University takes every reasonable precaution to maintain a safe campus environment. The university, however, assumes no responsibility for injuries that students sustain on University property, or at University-sponsored activities and events.

STUDENT CONDUCT

Students are responsible for knowing the academic and administrative regulations of the university as stated in this catalog. Students, by the act of registration, agree to observe the

policies and guidelines of the University and the Code of Student Conduct.

The provisions of this catalog are not to be regarded as a contract between any student and the university. The university reserves the right to change any of the policies, rules, regulations, and standards of conduct at any time as may be necessary in the interest of the university. The university also reserves the right to modify or discontinue any of the services, programs, or activities described in this catalog.

The most up-to-date student handbook can be found online at www.hpu.edu/studenthandbook.

Code of Student Conduct

Students of Hawai'i Pacific University will conduct themselves at all times with propriety and will meet the stated expectations and standard of conduct of the university as stated under the university's Code of Student Conduct. The code formulates student conduct and accountability, and is found in the Student Handbook.

Students who violate the code will render themselves subject to the university's Student Conduct System described in the Student Handbook.

The Code of Student Conduct, as well as a summary of university policies and procedures relating to students, may be found in the Student Handbook, which is published annually by the Office of the Dean of Students. Copies of the Student Handbook are available in various offices (e.g., Student Life at Aloha Tower Marketplace, Academic Advising, Hawai'i Loa Academic Center) at the beginning of fall semester, and online at www.hpu.edu/studenthandbook.



ACADEMIC POLICIES AND PROCEDURES



STATEMENT ON ACADEMIC FREEDOM

Hawai'i Pacific University supports and protects the academic freedom of both the faculty and the students. The examination of partisan views, no matter how controversial, within the purview of a course of instruction, is the very life blood of freedom of thought and inquiry in an educational institution within a free society.

Like all other rights and privileges in a free society, academic freedom is constrained by other freedoms and rights of individuals within the society. Academic freedom necessitates the recognition of significant contrary viewpoints and requires a degree of respect for the rights of others to hold such contrary viewpoints. Academic freedom requires differentiation between personal views and opinions, and proven facts of broadly held conclusions within a discipline. It is neither possible nor desirable to attempt to enumerate the limits of academic freedom. In general, academic freedom is abused when important individual rights of others are denied under the guise of academic freedom.

All members of the university are expected to exercise their rights to academic freedom responsibly.

BACCALAUREATE REQUIREMENTS

The following requirements must be met in order to obtain a baccalaureate degree from Hawai'i Pacific University:

1. Completion of at least 120 credit hours. of which a minimum of 36 are upper-division credits (level 3000 and above);
2. Completion of the General Education requirements as well as the specific requirements prescribed for each degree program and major area of study;
3. Attainment of a cumulative GPA of at least 2.0 in all courses taken at HPU and all courses required and counted towards a major. Some degrees may have higher GPA and additional requirements;
4. Submission of the Petition to Graduate (PTG). Students must submit a PTG for the term in which they intend to complete their degree requirements, whether or not they plan to participate in the commencement ceremony. The PTG must be submitted by the published deadline, but the recommendation is to complete the form at least one term prior to the student's last term of enrollment. This early submission allows sufficient time for review and evaluation of their records;
5. Payment of all indebtedness to Hawai'i Pacific University. An account balance hold does not prevent a student from submitting a Petition to Graduate (PTG), but it will stop HPU from issuing the diploma and transcripts until the financial hold is resolved. Students with an account balance hold should contact the Business Office at businessoffice@hpu.edu or (808) 356-5272 to make arrangements to clear the hold.

Modern Language Requirements

Most Bachelor of Arts degrees require the study of a modern language. Some programs allow Latin to be substituted for a modern language. The language requirement enables students to communicate in another language and to understand the culture, customs, and beliefs of another ethnic group. Language is used as a means through which students learn to understand each other and to work together in the international community. Hawai'i Pacific University presently offers these modern languages: Chinese (Mandarin), French, Hawaiian, Japanese, and Spanish.

Bachelor of Arts degree programs that involve direct interaction with the international community require students to complete four semesters (16 credits) of the same language:

International Studies, and Teaching English to Speakers of Other Language (TESOL). These students should consult an advisor about language availability.

Other programs that do not necessarily involve direct interaction with the international community generally require that students complete two semesters (8 credits) of the same language: Elementary Education, East-West Humanities, English, History, Integrated Multimedia, Multimedia Cinematic Production, Political Science, and Psychology. If their program of studies permits, students are encouraged to take an additional two semesters of language in order to attain language proficiency. The Bachelor of Science in Diplomacy and Military Studies also requires modern language study.

Exemption from the Modern Language Requirements:

Non-native English-speaking Students

1. Non-native English-speaking students who 1) complete ESL or 2) satisfy HPU's English proficiency requirement through the TOEFL exam or other test are exempt from this requirement in that they already have demonstrated proficiency in a second language.
2. Non-native English-speaking students electing to take an HPU modern language must select a language in which they do not have any native or near-native competency.

Native English-speaking Students

1. A student wanting to continue with university-level studies of a language studied in high school takes a placement test at HPU to determine what level of HPU course should be selected. Such a student would have to complete the same HPU offered language only until the highest level required for the degree program is accomplished. Students are encouraged to consult with faculty in their program of study to determine which language is most appropriate to their field.
2. If an entering student has full proficiency in a language taught at HPU, as shown by completing the appropriate placement tests, then no additional language study is required.
3. If a student has proficiency in a language other than those offered at HPU, such proficiency is accepted only if the student has graduated from an academic institution where the language of instruction is not English, as indicated on a transcript. Otherwise, the student is expected to take one of the modern languages offered at HPU.
4. Academic credit is not given for any level of proficiency learned other than through HPU coursework, transfer credit from recognized colleges and universities, and/or CLEP exams.

RESIDENCY REQUIREMENTS

Students seeking baccalaureate degrees must complete at least 12 credit hours of major coursework and the last 30 credit hours immediately preceding graduation in residence at Hawai'i Pacific University [exception: Servicemembers Opportunity Colleges (SOC) students must complete at least 30 credit hours with HPU, including 12 credit hours of major coursework. They are not required to complete the last 30 credit hours in residence].

Students seeking associate degrees must complete at least 15 credit hours of coursework with at least six of those hours in the degree major concentration.

All online courses at HPU are considered in residence.

ACADEMIC CREDITS

The unit of academic credit awarded by the university is called a "credit hour." Hawai'i Pacific University complies with federal regulations regarding the definition and assignment of credit

hours.

Standard Face-to-Face Courses:

One credit hour constitutes a minimum of three class work hours where a “class work hour” is defined as 55 minutes. Typically, class work hours include one hour of direct faculty instruction (“seat time”) and a minimum of two hours of out-of-class work by the student per week of the 15-week term for a one-credit-hour course. Out-of-class work includes time spent preparing for class, studying, doing homework, conducting research, completing assignments, etc. A standard 3-credit class thus meets for at least 41 contact hours (“seat time”) per term, and students should complete a minimum of 82 hours out-of-class work.

Online Courses:

The expectation for online courses is that students will spend the same amount of time working to achieve the learning outcomes of a course as they would in the same course offered in a face-to-face modality. Thus, if a standard face-to-face class requires a total of 123 work hours (41 of “seat time” and 82 of “out-of-class work”), to accomplish the learning outcomes, the online equivalent similarly necessitates 123 total work hours over the 15-week term by the student.

Independent or Directed Study:

Courses where students are working on independent projects, such as in thesis/dissertation and independent or directed studies, will conform to a minimum of three hours of student work per credit hour per week throughout the course of the term or the equivalent work distributed over a different period of time.

Laboratory Classes

Studio/Laboratory Courses: Studio/laboratory courses allow students to practice their skills in a guided environment. These are consistent with studio/laboratory experiences. Required student activities and assessments are largely limited to in-class time. Students practice their skills individually or in groups. There are few or no assessments outside of class. The faculty member is in the laboratory area 100% of the time. The course meets a minimum of 3 hours/week over the course of a term for each credit earned by the student. Teaching load credit for a studio/laboratory course is 1.5–2 contact hours, at the discretion of the dean.

Student credits:	1 credit hour
Faculty/instructor load:	1.5–2 contact hours
Minimum class time:	41 hours/term (typically 3 hours/week)

Intensive Laboratory Courses: Intensive laboratory courses provide students with firsthand experience in applying course concepts beyond that of a studio/laboratory course. In addition, students have the opportunity to learn and explore methods used by practitioners in that discipline. Such laboratory courses often include significant preparation for both students and instructors, coordination by the instructor of field-based activities and operation in uncertain field conditions, presentation by instructor of supplemental theory that supports integrating skills with theory, and student experiences with the advanced technology used in the discipline.

Student activities and assessments involve out-of-class reflection, applicable writing/literature research, processing and interpretation of data, and/or documentation of work specific to the field. As such, leading an intensive laboratory session has particular challenges and opportunities that differ from those in a studio/laboratory course and in the standard classroom environment. The faculty member is in the laboratory area 100% of the time. Teaching load credit for a 1-2 credit hour intensive laboratory course is 3 contact hours.

Student credits:	1-2 credit hours
Faculty/instructor load:	3 contact hours
Minimum class time:	41 hours/term (typically 3 hours/week)

Note: For 2-credit courses, total student effort is a minimum of 82 hours/term; of the 82 hours per term, in-class time typically accounts for 65 hours/term, with the remaining 17 hours in out-of-class work.

Terms Shorter Than Fifteen Weeks:

A course offered in a term of less than 15 weeks shall contain the same contact hours, preparation time, content, and requirements as the same course offered over a 15-week term.

UNDERGRADUATE TRANSFER CREDIT POLICY

The Office of Admission reserves the right to accept or reject transfer credits earned at any other institution of higher education. In general, Hawai'i Pacific University accepts credits earned at institutions fully accredited by the U.S. regional accrediting associations or an institution recognized by the Office of Admission, provided such credits are substantially equivalent to courses at Hawai'i Pacific University and have been completed with a grade of C- or better. An official evaluation of transfer credits will be completed only after a student has been admitted to HPU.

Transfer credits are accepted as one of three categories of credits: Elective, General Education, or Program Field of Study credits.

- **Elective:** These are courses that are not part of the program/major or General Education requirements, but may still count toward the baccalaureate degree. Some majors limit the amount of elective credit.
- **General Education:** These courses are similar at most colleges with a liberal arts foundation, and often include courses in English, history, math, science, and other subjects.
- **Program Field of Study:** These courses are primarily requirements for the chosen major/degree program. Prerequisites to courses in the major field of study usually can be transferred.

Transfer Credit Restrictions

Transfer credit is accepted for regular undergraduate degree-seeking students. Only course credits are accepted in and transfer to Hawai'i Pacific University. Grades and grade points from other institutions are not listed on the HPU transcript; however, may be use when a student's petition to graduate is reviewed.

Timeline

Courses considered for transfer will be evaluated by a transcript evaluator and will be accepted based on equivalency for program requirements. Certain colleges, departments, or programs (e.g., Nursing) may have specific expiration dates for transfer credits which will be applied during the transcript evaluation. Students have the first term of enrollment at HPU to reconcile transfer credits.

Maximum Transfer Credit

The maximum amount of total transfer credit from all transcripts and test scores is 90 credit hours. Credit hours awarded cannot exceed 90 total credits and are restricted by the sources below:

- Maximum of 90 credits from a regionally accredited four-year college or university
- Maximum of 60 credits from a community college or from American Council on Education (ACE) evaluation
- Maximum of 45 credits toward an associate's degree
- Maximum of 36 credits may be earned in passing courses by examination
- Maximum of 30 credits may be awarded for dual credit, or combined AP and IB

- Maximum of 15 credits of extension or continuing education
- Maximum of 4 credits in physical education/activity
- Only academic courses that carry a grade of C- or better will be accepted for transfer credit
- Repeated courses will only transfer credit once; the most recent attempt will be used for credit

Courses Receiving No Credit

Hawai'i Pacific University does not accept the following types of courses for transfer credit:

- Courses from unaccredited institutions: Coursework taken at any institution not fully accredited by a regional U.S. accrediting association or not recognized by the Office of Admissions is not transferable
- Courses below college level: At Hawai'i Pacific University, courses include those numbered below 1000
- Developmental or remedial courses are not transferable
- Life experience, internship or practicum credit are not transferable*
(*unless denoted as part of an articulation agreement)

Military Service or Schooling

Coursework taken through military schools may be considered for credit on the basis of recommendations of the American Council on Education (ACE). The student's DD-214 or DD-295 form should be submitted along with either the Army/American Council on Education Registry Transcript System (AARTS), Sailor-Marine American Council on Education Registry Transcript (SMART), Joint Services Transcript (JST), or Community College of the Air Force (CCF).

Courses with Non-traditional Grades

Courses completed with non-traditional grades such as CR (credit), P (pass), or S (satisfactory) may be transferrable only if the grade represents a C- or higher. Courses with non-traditional grades are generally only accepted as elective credit and do not fulfill university, college, school, or departmental requirements.

Current Student Transfer Credit

All transfer credit taken at another institution while concurrently enrolled as a Hawai'i Pacific University student are subject to approval by the university before transfer credit will be accepted. It is recommended to see an academic advisor to complete the process for credit approval.

GENERAL EDUCATION TRANSFER CREDIT

Students who transfer to HPU may satisfy all General Education (GE) areas (except for Hawai'i and the Pacific) by completing one of the following prior to matriculation:

- The full California State GE Breadth certification (CSU Cert) or University of California Intersegmental General Education Transfer Curriculum (UC/IGETC) certification
- An Associate of Arts degree with embedded CSU Cert or UC/IGETC certification
- Equivalent GE transfer degree or certification from an out-of-state community college
- A baccalaureate degree from an accredited college or university.

All other transfer credit is evaluated on a course-by-course basis, and may require the submission of course syllabi or catalog descriptions.

INTERNATIONAL TRANSFER CREDIT

Hawai'i Pacific University accepts academic credit earned at international institutions that are

fully accredited by their country's Ministry of Education, but only if the courses meet general transfer credit policies. Evaluation of credit is done at the time of admission based on official English-translated transcripts and course descriptions completed by an accredited translation service.

TRANSFER AND CUMULATIVE GPA CALCULATION

- All transferable credit attempted is calculated into the transfer and cumulative GPAs. This includes courses not meeting the minimum "C-" grade for transfer.
- When a course is repeated in transfer from one or more transfer institutions, the credit and grade for the most recent attempt of the course is counted.
- When a course is repeated between Hawai'i Pacific University and a transfer institution, only credit for the most recent course attempt will apply to the HPU degree requirements.

CREDIT BY EXAMINATION

Hawai'i Pacific University recognizes and accepts the use of national standardized and recognized testing instruments to measure knowledge acquired outside the classroom. Credit may be granted only for exams that meet Hawai'i Pacific University standards. Regarding AP, IB, CLEP, and DSST examinations and acceptable minimum scores for approved exams, score requirements, and credit granted, see the HPU website under "Transfer Credits."

College-Level Examination Program and DANTES Subject Standardized Test (DSST)

The College Level Examination Program (CLEP) enables students to earn college credit by examination in areas approved by the disciplines. Classified students may take CLEP tests to demonstrate college level competency no matter when, where, or how this knowledge has been acquired: through formal study, private reading, employment experiences, non-credit courses, military/industrial/business training, or advanced work in regular high school courses. This program gives individuals the opportunity to validate and receive credit for college-level knowledge they already possess.

No student is eligible to take CLEP General Examinations for credit after reaching sophomore standing; i.e., the student must have completed not more than 24 credit hours of college work.

Credit is awarded for approved CLEP or DSST examinations and may apply toward General Education requirements. Students seeking to fulfill major requirements must have preapproval from the department chair. Only elective credit will be awarded for CLEP general exams.

Hawai'i Pacific University awards credit to students whose score meets the established minimum for approved CLEP and DANTES Subject Examinations. Only elective credit will be awarded for CLEP general exams.

The university accepts no more than 36 credit hours earned through any type of credit by examination process.

Advanced Placement (AP)

Credit is awarded for approved AP exams that meet the minimum score requirements. Students must submit an official AP score report to Hawai'i Pacific University for credit

consideration.

International Baccalaureate (IB)

Credit is awarded for approved IB exams that meet the minimum score and diploma requirements. Students must submit an official IB score report or diploma transcript to Hawai'i Pacific University for credit consideration.

Challenge Exams

These are comprehensive exams that are created and administered within the university and test a student's level of mastery for a given university course. Only students with grade point averages of 3.0 or above who have completed at least 15 credits at the university are eligible to petition. A student may consult an academic advisor to submit a petition for permission to take a Challenge Exam. If the reviewing dean approves the petition, the student pays an examination fee, and the dean selects an appropriate instructor to design and administer the examination. If the student successfully passes the challenge exam, credits are awarded without a standard grade.

MAJOR COURSE OF STUDY

The major course requirements vary depending upon the degree program and the curriculum required. Students are encouraged to consult with an academic advisor as soon as possible after admission to begin the advising process for selection of a major field of study. All students must complete a minimum of 12 credit hours for credit in their major courses in residence with HPU. Students interested in double majors or more than one degree program should consult their academic advisor or military campus coordinator for information and academic planning. For students who wish to pursue a double major, more than one-half of the credits taken must be unique to the second major field of study (e.g., if one major requires 36 credits, then at least 19 credits must be unique to the second major field of study).

The major is listed on the diploma as well as on the transcript.

MINOR COURSE OF STUDY

In addition to undertaking a major, students may elect to do an optional minor program of study. The minor encompasses completion of selected courses that are fewer in number and less comprehensive than a major. At least twelve credits unique to each minor must be taken in addition to those required for fulfillment of the major program of studies. All students must complete a minimum of six credits of minor course work in residence with HPU in order to be awarded a minor. The minor is not listed on the diploma but is listed on the transcript, provided that the student has completed all necessary coursework and the degree has been conferred. Minors must be identified prior to degree conferral. Students may not add minor courses of study to degree programs that have already been completed and conferred on the original transcript.

SECOND BACHELOR'S DEGREE

An individual already holding a baccalaureate degree may pursue a second bachelor's degree in consultation with an academic advisor. To earn a second bachelor's degree, the student must satisfy the General Education requirements of the university or the equivalent and meet the specific requirements for the second degree. Credit hours earned for the first bachelor's degree may be counted for General Education or other specific requirements. The student must complete a minimum of 30 credit hours of coursework required in the new degree program subsequent to earning the first bachelor's degree. Those 30 credit hours must be taken in

residence at Hawai'i Pacific University.

CHANGES IN ACADEMIC PROGRAM REQUIREMENTS

Requirements for specific degrees and majors within degrees may change as curricula are revised and new programs are implemented. New students (including transfer students) are expected to meet the requirements of the program that are in existence at the time of the initial registration. A continuing student may select the new version of a given program. However, once selected, they may not select the former version of the program. A student who has been granted a leave of absence (for no more than one calendar year) may continue, upon return, in the program in which he or she was last enrolled. A student on leave who has not attended Hawai'i Pacific for more than one calendar year must adhere to the requirements in effect upon return [NOTE: Servicemembers Opportunity Colleges (SOC) students should consult with their advisor regarding program requirements].

CLASSIFICATION SYSTEM

Courses numbered from 1000 to 1999 are generally freshman-level courses that, except for two-course sequences, often have no college-level prerequisites. Courses numbered from 2000 to 2999 are generally sophomore courses, many of which have college-level prerequisites. Freshman and sophomore courses are, together, designated "lower-division."

Courses numbered 3000–4999 are "upper-division" requiring substantial preparation and most often one or more prerequisite classes, including a passing grade of C- or higher in a Written Communication and Information Literacy II course. Courses numbered at the 3000 level are considered to be junior-level courses. Courses numbered at the 4000 level are generally senior-level courses, often requiring the student to fulfill several upper-division prerequisites before being able to enroll for the course.

Courses numbered 5000–7999 are graduate-level courses. Enrollment in these courses is limited to graduate students. Undergraduate students may enroll in graduate courses by meeting certain criteria. Undergraduate students should consult an academic advisor to determine if they are eligible to register for graduate courses. Please refer to the Concurrent Enrollment section of this catalog for more details.

AVAILABILITY OF COURSES

Every effort will be made by the University to offer courses required in various degree programs and listed in the catalog. However, student enrollment and faculty availability may affect course offerings. Furthermore, some courses listed in this catalog are offered only once a year or only upon sufficient demand, as determined by the respective deans.

The university cannot guarantee that all courses needed by any one student in order to graduate will be offered during the summer or winter terms.

GENERAL PETITIONS

The General Petition form is used when extenuating circumstances require that an exception be made to current academic and/or university policies. Students should consult with an academic advisor, who will assist them in completing the form. Depending upon the nature of the request, review and approval of the form will be performed by the academic advisor and/or the appropriate dean or university administrator.

AUDITING COURSES

Students may petition to audit courses with consent of an academic advisor prior to or at the start of the term. Students who audit do not receive any credits or grades for the audited courses. Audited courses are subject to registration procedures and tuition payment.

PASS/FAIL COURSES

Certain courses such as COOP work experiences are graded only on a pass/fail basis. Students desiring to take another course as pass/fail must petition an academic advisor prior to or at the start of the term. Only 15 credit hours taken on a pass/fail basis may be applied to the unrestricted elective portion of a student's baccalaureate program.

CREDIT/NO CREDIT COURSES

Certain courses may also be taken, by petition, on a credit/no credit basis. Courses that may be taken for credit/no credit do not include those that are considered to be required or are restricted elective courses in a student's degree program. Under the credit/no credit option, a student receives a grade of CR (credit) or NC (no credit). A grade of CR is granted if the student earns a grade of C- or better in the course. Because no grade points are awarded for CR/NC grades, courses taken on a credit/no credit basis are not included in calculating a student's GPA.

Students desiring to take a course as CR/NC must petition an academic advisor prior to or at the start of the term.

Only 15 credit hours taken on a CR/NC basis may be applied to the unrestricted elective portion of a student's baccalaureate degree. Thirty credit hours taken on a CR/NC basis through an approved HPU study abroad program, may be applied to the unrestricted elective portion of a student's baccalaureate degree.

DIRECTED STUDY COURSES

Directed study courses are tutorial courses that are offered only under exceptional circumstances. They are approved only on a case-by-case basis for students who are unable to complete course requirements in the regularly scheduled classroom setting or via an online course offering. Directed study courses are equivalent to the lecture sessions and are assigned to specific instructors. Students should submit a directed study registration form requesting to enroll in a directed study course, which must be approved by the dean of the college offering the course.

USE OF COURSES TO MEET UNIVERSITY GRADUATION REQUIREMENTS

Courses may be counted only once toward fulfilling the 120-credit requirement to earn a baccalaureate degree at HPU. Under certain circumstances (described below), a course can be used to satisfy more than one University requirement (e.g., major, minor, General Education), but mathematically the credits can only count once toward the total number of credits needed.

Situations where a course can be used to satisfy university requirements are:

1. A course may satisfy both a General Education requirement and a lower-division major requirement up to a maximum of 4 courses.
2. An upper-division course may fulfill a requirement for more than one major or minor.
3. In most cases, courses completed in the General Education and lower- and upper-

division requirements for a given degree program are applicable to a second major, minor, or degree.

4. After a baccalaureate degree is conferred, a minimum of 30 additional credits must be completed to fulfill the requirements for an additional major or degree. Even if a student graduates with more than the 120 credits required for a baccalaureate degree, a minimum of 30 additional credits, including major, minor, or other degree requirements, must be completed.
5. Certain courses may be taken more than once for academic credit. Repeatable courses will receive credit each time up to the limit specified in the course description.

ACADEMIC YEAR

The academic year consists of fall, winter, spring, and summer terms. Fall term begins in late August or early September, and consists of 15 weeks of classes, including a week for final examinations. Spring term begins in mid-January and consists of 15 weeks of classes (with a one-week spring recess), including a week for final examinations. There are two eight-week sessions within each fall and spring term.

The winter term runs for approximately four weeks between the fall and spring terms. The summer term begins in mid-May and runs for 14 weeks. During this summer term, there are two sessions of seven weeks, one session of eight weeks, as well as classes that run the full 14 weeks.

CLASS SCHEDULES

During the regular 15-week fall and spring terms, most classes meet two or three times each week for periods of 85 and 55 minutes, respectively. Evening and Saturday classes run for two hours and 55 minutes once a week; instructors of such sessions usually schedule at least one break. During the winter term or summer term, individual class sessions are generally scheduled in Monday-Wednesday-Friday or Tuesday-Thursday-Saturday sequences or online.

Courses scheduled on military base locations follow a hybrid format. The classes consist of five instructional hours per week with three hours conducted in the classroom and two hours of interactive online coursework. In addition, students are required to complete approximately ten hours of homework per week. Some exceptions may apply.

A schedule of courses is published for each term and is available through Pipeline or by utilizing the “Course Search” link on the HPU Registrar’s Office website (www.hpu.edu/Registrar).

CLASS STANDING

A student’s class standing is determined by the number of credits that were taken and successfully completed:

FRESHMAN	00–29 credit hours completed
SOPHOMORE	30–59 credit hours completed
JUNIOR	60–89 credit hours completed
SENIOR	90 or more credit hours completed

COURSE LOADS

For undergraduate students, the minimum full-time load is 12 credit hours; the normal full-

time load is 15; and the maximum course load for a student with a GPA of 3.00 or higher and with the consent of an academic advisor is 18 credit hours. (For information on graduate course loads, refer to the section on graduate studies.) The maximum course load for students registering for Off-Campus/Military Campus Programs courses are as follows: 8-week session=9 credit hours, 4-week session=6 credit hours.

A student on probation, having a GPA below 2.00, may register for a maximum of 13 credit hours in a fall or spring term.

All undergraduate students seeking to enroll for 17 or more credit hours must meet with an academic advisor to request permission. Students may incur additional tuition and fees for an overload.

CHANGE IN REGISTRATION (ADD/DROP)

Courses may be changed only in accordance with the [academic calendar](#) for each term or session. All paper Add/Drop-Withdrawal forms submitted after the published deadlines are subject to a processing fee. Students receiving financial aid should consult with a financial aid counselor if the change will increase or decrease the number of credits for which they are registered. International students on F-1 visa status must be registered full-time to remain in status according to Department of Homeland Security guidelines. Students with registration holds will be required to clear them prior to any course changes.

Students who are having extreme difficulty in their courses should make every effort to work with their instructors, writing lab tutors, and/or tutors in the Center for Academic Success to gain additional support for improving their academic performance. A student who must withdraw or who receives a grade lower than a C- in one of these courses should register for the course again in the next term to avoid falling behind. Students should also be cautious about withdrawing from MATH and WRI courses that are required for progression in their degree programs.

Students who wish to change their schedules may do so via the web or in person.

Web changes

Most students can process course changes using HPU Pipeline in accordance with published deadlines. Students with registration holds will not be able to make changes until the holds are cleared through the appropriate office(s).

In-person changes

Students should obtain a paper Add/Drop-Withdrawal form from the Registrar's Office, Academic Advising, or military base location. A downloadable version is also available on the [Registrar's Office website](#). Students should fill out the pertinent information, sign the form, and take the form to an academic advisor for signature. Non-degree seeking students do not need an advisor approval. Students on financial aid must also take the form to the Financial Aid Office for signature. The academic advisor will direct the student to the appropriate office for final processing.

Deadlines to add and drop courses vary by term/session length. Refer to the [academic calendar](#) for important registration-related deadlines.

NOTE: If an "Unacceptable Practice" investigation is in progress and/or if a student receives an "Unacceptable Practice" citation in a nursing (NUR) course, the student may not withdraw from the course. Students will need to have a clearance (signature on the withdrawal form) from

the dean of the College of Health and Society or his/her designee in order to withdraw from nursing (NUR) courses. The effective date of the withdrawal is the day the registrar receives the signed form. A student who stops attending a class without an official withdrawal will be charged all fees as though attendance had been continued, and a grade of F will be recorded.

WITHDRAWAL POLICY

Any degree-seeking student discontinuing his or her studies at Hawai'i Pacific University is required to withdraw officially or apply for a leave of absence.

TYPES OF WITHDRAWAL

Administrative

Students are administratively withdrawn if:

1. They have not registered for classes within one year from the last term attended;
2. They have not returned to HPU when the approved period of the leave of absence has expired and have not applied for a continuation leave or regular withdrawal; or
3. They have not returned to HPU after the specified time from academic or disciplinary suspension, and the period of suspension has not been extended.

Medical

Upon the recommendation by a certified health care provider, a medical withdrawal may be granted by HPU. A medical/health clearance is required before the student can be considered for re-admission. A medical withdrawal cannot be an approved withdrawal unless documentation and proper paperwork is submitted. After the drop without a W grade deadline, all grades turn to W's; if **not** approved, all grades turn to F's.

Voluntary

It is a student's responsibility to file a notice of withdrawal with the Registrar's Office. Failure to do so may result in fees and unsatisfactory grades on a student's transcript, and this failure will be taken into consideration should the student apply for re-admission.

REQUIREMENTS FOR THE WITHDRAWAL OR LEAVE OF ABSENCE PROGRAM:

1. Complete the appropriate withdrawal or leave of absence form, bearing appropriate signatures.
2. Drop all classes.
3. Confirm with Financial Aid and the Business Office regarding payment policies.
4. International students must meet with the Office of International Students and Scholars in order to process the proper immigration paperwork.
5. Submit supplemental paperwork if needed.

The above steps must be completed before action can be taken on a withdrawal or leave of absence application. Completion of all proper paperwork is the responsibility of the student.

LEAVE OF ABSENCE

A student maintains "continuous enrollment" by being enrolled in courses at the university throughout each fall and spring term following admission. Occasionally, students may temporarily interrupt their academic studies due to health, personal, or emergency situations.

Approved leaves of absence permit students to resume their studies under the same degree requirements that were in effect at the time they began their leave. A leave of absence is

limited to a maximum of one academic year.

Students wishing to request a leave of absence should consult with an academic advisor, who will assist them in completing a petition requesting the leave.

Students contemplating a leave of absence who have previously been awarded a loan under the Federal Family Education Loan Program (Stafford/PLUS/Loans) are required to contact the university's Financial Aid Office and their lender prior to commencing a leave of absence to ascertain their repayment status.

DEFERRAL OF ENROLLMENT POLICY

Students who have been offered admission to a degree program at Hawai'i Pacific University and have **not** attended any classes may request a deferral of enrollment for up to one year from admission term by submitting the \$200 enrollment deposit and the intent to enroll form. Deferral pertains only to admission to the university, not admission to a particular major or program.

Deferral requests are not automatically granted and will be evaluated by the Office of Admissions on a case-by-case basis. Last day to defer is the Friday before the start of classes for the term of admission. If admission is deferred, there is no guarantee of scholarships or aid.

During the deferral period, the student will not apply or enroll at another college as a degree-seeking candidate and will not hold a deferral at another institution. Students who are found to have applied to other colleges or universities during the deferral period will have their admission revoked.

Requirements for the Deferred Enrollment Program:

1. Students who wish to defer their enrollment must submit the required, non-refundable enrollment deposit and complete the Deferral Form.
2. Students who are granted approval to defer their enrollment should understand that their approval is contingent upon successful completion of any coursework in progress at the time approval is granted.
3. A final official school transcript must be forwarded to Hawai'i Pacific University's Office of Admission.

The above steps must be completed before action can be taken on a deferral request. Completion of all deferral procedures is the responsibility of the applicant.

READMISSION POLICY

A candidate for readmission to Hawai'i Pacific University is an individual who was admitted and who attended the university as a degree-seeking student. A readmission applicant is defined as one who has not enrolled in classes for one year or longer.

Readmitted students fall under the catalog year of readmission and are responsible for the graduation requirements and academic policies which exist at the time of re-entrance.

All special circumstances for readmission must be approved by petition.

The university will require an applicant for readmission to provide supplementary information as is needed for proper consideration. Please contact admission for questions.

Reapplications fall under the current term scholarship and financial aid requirements.

Students under academic suspension are ineligible for readmission for one calendar year. They should present evidence of successful achievement at another college or university as part of their application for readmission.

Applications for readmission are reviewed individually. Decisions are based upon such factors as previous level of achievement, reasons for withdrawal, the candidate's potential for successfully completing a degree program, and institutional capacity.

PROCESS OF READMISSION

1. Complete and file the application for readmission to the Admission Office. Pay reapplication fee.
2. Submit an official transcript if student has attended another college or university since leaving Hawai'i Pacific University.
3. Submit a letter from a certified health care provider stating the status of the student's health if withdrawn for medical reasons.
4. A personal interview may be required as circumstances warrant.
5. Clear any previous university holds.

The above steps must be completed before action can be taken on an application. Completion of all admissions procedures is the responsibility of the applicant.

REFUND POLICY

Refund policies are noted on the HPU [business office website](#) and are subject to change. Registration policies and payment deadlines for all parts of term are available on the [academic calendar](#) website.

During the 15-week fall and spring terms, the university adheres to the following schedule for tuition refunds when a student drops or withdraws from a class or classes:

1. Withdrawal through the first week of class = 100% refund, 0% student responsibility for payment
2. Withdrawal through the second week of class = 50% refund, 50% student responsibility for payment
3. Withdrawal through the fourth week of class = 25% refund, 75% student responsibility for payment
4. Withdrawal after the fourth week of class = 0% refund, 100% student responsibility for payment

Federal refund policy will apply to students receiving financial aid. Refer to the HPU website at <https://www.hpu.edu/business-office/refunds.html> for specific information.

PETITION TO GRADUATE

Students completing their program course requirements by the end of a given term must complete a Petition to Graduate (PTG) form, available online or in the Registrar's Office, Academic Advising, and military base locations. The completed form should be submitted to the student's academic advisor for approval by the deadline published on the [academic calendar](#). Students must submit a PTG whether or not they intend to participate in the commencement ceremony.

An account balance hold does not prevent a student from submitting a PTG, but it will stop HPU from issuing a student's diploma and transcripts until the financial hold is resolved. Students with an account balance hold on their record should contact the Business Office to make arrangements to clear the hold.

RECORD OF STUDENT INFORMATION

Changes to a student's contact information (addresses, phone numbers, email, emergency contact, etc.) may be updated online using HPU Pipeline, or submitted in writing to the Registrar's Office. Students may also submit changes by email from their @my.hpu.edu account. Requests to update a student's name, social security number, or date of birth must be made in writing to the Registrar's Office and include supporting documentation (e.g., copy of marriage license, divorce decree, etc.).

CONFIDENTIALITY OF ACADEMIC RECORDS (FERPA)

Notification of Student Rights

The Family Educational Rights and Privacy Act of 1974 (FERPA) affords students certain rights with respect to their education records. These rights are:

1. The right to inspect and review student education records within 45 days of the day the university receives a request for access.

Students should submit to the university registrar, dean, or appropriate official, a written, dated, and signed request that identifies the record(s) they wish to inspect. The request must include the requestor's full name, date of birth, and student identification number. The university official, in consultation with the registrar, will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the university official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request amendment of the student education records that a student believes is inaccurate, misleading, or otherwise in violation of his or her right to privacy.

Students who wish to ask the university to amend a record should write the university official responsible for the record, clearly identify the part of the record they want changed, and specify why it should be changed.

If the university decides not to amend the record as requested by the student, the university will notify the student in writing of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the university discloses personally identifiable information contained in student education records, except to the extent that FERPA authorizes disclosure without consent.

The university discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is defined as a person employed by the university in an administrative, supervisory, academic or research, or support staff position; a person or company with whom the university has contracted as its agent to provide a service instead of using university employees or officials (such as an attorney, auditor, or collection agent); a person serving on the Board of

Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

The university designates the following as “directory information” and may, upon inquiry, disclose this information at the university’s discretion without prior consent of the student.

- a. Name of student
- b. Local and other addresses
- c. Local and other telephone numbers
- d. Email addresses
- e. Date of birth
- f. Dates of attendance
- g. Enrollment status (full-time, part-time, etc.)
- h. Major field of study
- i. Education level (i.e., undergraduate, graduate)
- j. Class standing (i.e., freshman, sophomore, etc.)
- k. Previous educational institution(s) attended
- l. Degrees received and dates of conferral
- m. Honors and awards received
- n. Participation in officially recognized activities and sports
- o. Weight and height of members of athletic teams

HPU is under no obligation to release directory information to anyone who inquires. FERPA only states that an institution *may* release directory information. When in doubt, HPU will not release directory information and may require that a written release from the student be provided before directory information is released.

Students have the right to restrict the release of their directory information. To exercise this right, a student must submit a signed request in writing to the HPU Registrar’s Office in person or by mail, 1164 Bishop Street, Suite 216, Honolulu, HI 96813. A request form is available at the Registrar’s Office or at www.hpu.edu/registrar/ferpa.html. Requests must be submitted no later than the last day to add/register for classes, as published by the university, for the term that the student is enrolled. Once the request is filed, it becomes a permanent part of the student’s record and shall remain in effect until the student instructs Hawai‘i Pacific University, in writing, to have the request removed.

The university will not disclose official transcripts and/or information not identified as “directory information” to non-school officials without prior written consent from the student unless it is an exception under FERPA.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Hawai‘i Pacific University to comply with the requirements of FERPA.

The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
Department of Education
400 Maryland Avenue, SW
Washington DC 20202-4605

Questions regarding the rights and release of information that this act provides to Hawai‘i Pacific University students should be directed to the university registrar:

Registrar's Office
 1164 Bishop Street, Suite 216
 Honolulu, Hawai'i 96813
 Tel. (808) 544-0239
 Email: registrar@hpu.edu

ACADEMIC RECORDS

Complete academic records are maintained in the Registrar's Office. Students may request the registrar to send an official transcript of their work to a third party at www.hpu.edu/transcripts. The student must pay the transcript fee and settle any outstanding obligations with the university before a transcript can be released. Students who have undertaken academic work at other institutions of higher learning must direct those institutions to have official transcripts forwarded to the Admissions Office at Hawai'i Pacific University to determine any transfer credit awards. These and other documents may not be issued to third parties nor be reproduced without the permission of the registrar.

GRADING AND GRADE POINT AVERAGE (GPA)

Instructors determine students' scholastic standing in their courses based on assignments, tests, examinations, class attendance, participation, and other criteria established in course syllabi. Letter grades are awarded by instructors according to a 4.0 scale, outlined as follows:

LETTER GRADE	DESCRIPTION	QUALITY POINTS
A	EXCELLENT	4.0
A-		3.7
B+		3.3
B	GOOD	3.0
B-		2.7
C+		2.3
C	AVERAGE	2.0
C-		1.7
D+		1.3
D	POOR	1.0
F	FAILURE	0.0
W	WITHDRAW	
	<i>Does not affect GPA but will permanently appear on the transcript</i>	
P	PASSING	
	<i>Does not affect GPA</i>	
CR/NC	CREDIT or NO CREDIT	
	<i>Does not affect GPA</i>	
I	INCOMPLETE	
	<i>Does not affect GPA (see policy below)</i>	
AU	AUDIT	
	<i>Does not affect GPA; will not earn credit or grade for course</i>	

Note: Grades for graduate courses are generally A, A-, B+, B, B-, C+, C, or F. For more on this policy and its exceptions, see the Graduate Studies section of this catalog.

The GPA is determined by dividing the total number of quality points earned by the total number of GPA credit hours. The GPA is calculated to two decimal points without rounding.

COURSE INCOMPLETE POLICY

The assignment of incomplete grades is reserved for cases of illness, unforeseen predicaments, military assignments, or other emergencies that prevent a student from completing the course by the due date, normally after the last day to drop without a W grade. In such cases, the instructor should ask for documentation and has the option of issuing an “Incomplete” grade at the end of the term. If granted, the “Incomplete” grade will allow a student a maximum period of six months to complete the appropriate coursework. If the student does not complete the assignments and the instructor does not submit a grade to the Registrar’s Office by the end of the six-month period, a grade of “F” will be assigned. A student cannot graduate with an outstanding “Incomplete” grade.

COURSE REPEAT POLICY

Undergraduate students who receive a grade in a course that is lower than C may repeat that course. Only the last grade attained in a repeated course will be used in the calculation of the student’s grade point average (GPA). An undergraduate student cannot repeat any course for credit in which a grade of C or better is earned unless the course is defined in the current catalog as repeatable for credit. If a course is designated in the catalog as repeatable, then all grades earned in the allowed course attempts will be calculated into the GPA.

If an undergraduate student wants to repeat a course in which a grade of C or better was earned, neither the credit nor the second grade will replace the first course attempt. Requests to repeat a course in which a grade of C or better is earned, and the course is not designated as repeatable in the catalog, shall require the consent of the department chair and the dean of the college in which the course is offered.

Graduate students who receive a grade lower than B may repeat that course only once more. Only the last grade earned will be calculated into the GPA. A graduate student cannot repeat any course for credit in which a grade of B or better is earned unless the course is defined in the current catalog as repeatable for credit or if the repeat is approved by the department chair and the dean of the college in which the course is offered. If a course is designated in the catalog as repeatable, then all grades earned in the allowed course attempts will be calculated into the GPA.

The following rules apply to any student who repeats a course for credit:

1. Any course being repeated must be taken in a graded status A–F unless the course is only offered on a pass/fail basis.
2. When a course is repeated, all applicable tuition and required fees apply.
3. Credit toward a degree with a passing grade of D or higher may be earned only once for a particular course unless a department or division has, in other policies, allowed for multiple credits from that course.
4. If the subject code or course number has changed since the student completed the initial course attempt, the department or program offering the course will verify that the repeated course is substantially the same in order to have the policy apply.
5. If the initial course is a cross-listed course, a student may apply the policy in any course in which the initial course is cross-listed and is currently equivalent. If the initial attempt of a course has a modifier such as university honors, the repeated course is not required to have the same course modifier.

Once a bachelor’s or a master’s degree has been granted by HPU, repeating courses for any reason (as a special status or post-baccalaureate student) will not affect the GPA or content of the degree already earned.

Students are strongly encouraged to visit with an academic advisor to determine whether repeating a course is in their best interest. Repeating a course may have an impact on financial aid, insurance, entrance to professional schools, participation in athletics or other extra-curricular activities, immigration status, and other matters.

HONORS AT GRADUATION

Honors are based upon the Honors Point Average (HPA). The HPA is based only on credits earned within the university, including repeated courses. Grades for coursework transferred from other institutions of higher learning are not included in the HPA.

The commencement program is printed prior to final grades being posted to the students' records. However, grades posted from Session 8A will be included in the honors calculation for the program. Students qualifying for honors at the time of the ceremony have the appropriate honors indicated in the program and are presented with an honors sash to wear at the ceremony.

Honors, as defined below, are based upon all completed courses and grades at HPU. Final graduation status, including the awarding of degrees and honors, is determined and certified by the university registrar as posted to the official academic transcript, six to eight weeks after the end of the term.

Honors are awarded based upon the following criteria:

Associate Degree:

Students completing an associate degree may graduate with the designation "With Honors" by completing at least 24 credit hours of coursework at the university and having a minimum grade point average (GPA) of 3.4 for HPU courses and a minimum honors point average (HPA) of 3.4.

Baccalaureate Degree:

Students in a baccalaureate degree program may graduate with "Latin honors" if they have completed at least 45 credit hours of coursework at the university. They must have earned a minimum grade point average (GPA) of 3.4 for HPU courses and have achieved the requisite honors point average (HPA) requirements. The corresponding honors designation for the baccalaureate degrees are as follows:

- 3.4–3.69 Cum Laude
- 3.7–3.89 Magna Cum Laude
- 3.9–4.00 Summa Cum Laude

Graduate Degree:

Students with a minimum GPA of 3.8 are considered for the award of "With Distinction" at graduation. Specific requirements include:

- Completion of at least 15 credit hours of work at HPU for all graduate programs except for: 27 credits toward the MATESOL or 33 credits for a joint degree program
- A minimum honors point average (HPA) of at least 3.8

DEAN'S LIST

At the end of the fall and spring term, full-time undergraduate students (12 or more earned hours of credit) who have earned a GPA of 3.5 or better for the term just completed, are recognized by being placed on the Dean's List by the provost/vice president of Academic Affairs. This honor becomes a permanent part of the student's academic record and is printed on the transcript.

College programs requiring practicums or clinical courses in their major, who determine success by a designation of pass/fail credit for those courses, may use the following amended calculation to determine student Dean's list designation:

- Students must achieve 12 or more earned credit hours for the term.
- A minimum of 6 of the 12 credits must receive a grade designation; however, all of the student's graded credits for the term will be used to determine the term GPA.
- Students must pass any course designated as pass/fail.
- Pass/fail determinations are not defined as graded credits. The number of pass/fail course credits will not be added in the calculation that determines the term GPA.

ACADEMIC PROBATION, SUSPENSION, AND DISMISSAL

Undergraduate students must maintain the minimum GPAs listed below to remain in good academic standing. The number of credit hours attempted and the corresponding GPA are as follows:

Credit Hours Attempted	GPA
12–60	1.8
Over 60	2.0

After attempting 12 or more credits, a student who does not meet the minimum requirements will be placed on academic probation. Students enrolled part-time will be evaluated after 15 credit hours have been attempted.

Students enrolled in a major with a higher GPA requirement than the standard listed above will be evaluated on the major's higher standard.

At the end of each fall and spring term, students will be placed on probation when their cumulative GPA falls below the standard listed above for the cumulative credits attempted.

While on probation, a student must schedule periodic meetings with an academic advisor who will work with the student and monitor the student's progress. A student on probation is recommended to enroll in 12 credit hours or less during a spring or fall term.

Students who do not raise their GPA to the accepted level outlined above by the end of the next spring term will be subject to academic suspension. Thus, a student placed on probation at the end of one spring term could continue on probation for the following fall term and into the next spring. Students who do not raise their GPA to the required level, based on credits attempted, by the next spring term will be subject to academic suspension.

Suspension appeals are a formalized process initiated by the student and submitted to the provost/vice president of Academic Affairs or his or her designee. Students approved to return will remain on continued probation for the term in which they return. A student whose suspension appeal has been approved may not appeal a subsequent suspension.

Students who have successfully appealed their suspension will be placed on continued probation status. Students who fail to raise their GPA to the published standard by the end of the next spring term after their suspension has been lifted, will be subject to dismissal, which is final.

ACADEMIC INTEGRITY POLICY

It is Hawai'i Pacific University's policy that any act of academic dishonesty will incur a penalty up to and including expulsion from the university. A student who cheats on an academic exercise, lends unauthorized assistance to others, or hands in a completed assignment that is not his or her work will be sanctioned. The term "academic exercise" includes all forms of work submitted either electronically or on paper for points, grade or credit. For details on the Academic Integrity Policy, go to the Student Handbook at

www.hpu.edu/studenthandbook.

ACADEMIC GRADE APPEAL PROCEDURES

A student has the right to appeal a final course grade when the student believes that the assigned grade does not reflect what the student has earned, according to the criteria for grading as outlined by the instructor of the course. It is the responsibility of the instructor of each course to define his/her grading policy and criteria at the beginning of the term and as explicitly as possible. If there is any deviation from this original statement of grading criteria due to extenuating circumstances, all affected students must be informed. It is assumed that the final course grade assigned is correct; thus the student appealing that grade must justify the need for a change of the grade assigned. Students who desire to appeal a final course grade must follow the process described as noted in the Student Handbook at www.hpu.edu/studenthandbook.

ACADEMIC GRIEVANCE PROCEDURES

Students with individual grievances concerning unfair treatment in the course of their studies must follow the procedures as noted in the Student Handbook at www.hpu.edu/studenthandbook.

ADDITIONAL RESOURCES



UNIVERSITY LIBRARIES AND LEARNING COMMONS

Hawai'i Pacific University Libraries serve the HPU community at three locations: 1) Meader Library on the downtown campus, 2) Atherton Library at Hawai'i Loa, and 3) the HPU Learning Commons at Aloha Tower Marketplace (operated in conjunction with Information Technology Services). Additionally, library services and resources are available 24/7 via the library's website. The HPU Libraries are committed to meeting the diverse needs of our students, faculty and staff through classroom visits, research support, and curriculum-supporting collections.

Mission

The Hawai'i Pacific University Libraries and Learning Commons support student learning and faculty research with innovative services, resources, and facilities. They further serve as gathering places for study, collaboration, and instruction, with the goal of exemplifying the mission and shared values of HPU.

The Collections

The HPU Libraries' collections consist of databases, electronic books, print books, periodicals (magazines, journals, and newspapers), and media. Print books are housed in both the Meader and Atherton libraries. Emphasis is given to acquiring titles that are academically oriented and relevant to courses offered by the University. Books, eBooks, journals, articles, streaming video, and more are available through the HPU Libraries' discovery service (hpu.on.worldcat.org/discovery). Online databases are available via the HPU Libraries' website (hpu.edu/libraries) and the Libraries tab on HPU Pipeline.

Reference and Instruction Services

Reference and instruction services are offered in each library to provide students and faculty with professional research assistance. Both locations offer library instruction sessions to individuals and classes as well as new student group orientations. For off-campus access to research help, a 24/7 chat service is accessible via the library's homepage. The chat service can also be accessed through course menus in Blackboard.

Access Services

General library services are offered at each branch, including item check-outs and check-ins, book delivery services, reading assignments from instructors, and interlibrary loan services. By request, books can be transported between the Meader and Atherton branches, and between the HPU Libraries and the Oceanic Institute.

Library Hours

During the major academic terms, the HPU Libraries are generally open seven days a week including evening hours. Hours vary by location. Extended evening hours are provided prior to final examination periods during the major academic terms. Library hours are generally shortened during the summer and winter terms. The HPU Libraries are closed on university-observed holidays.

MEADER LIBRARY

Meader Library is located on three floors in the 1060 Bishop Street Building in downtown Honolulu. The library is named in honor of Dr. James Laurence Meader, the first president of Hawai'i Pacific University (then Hawai'i Pacific College). Study rooms, collaborative spaces, comfortable seating, and quiet study areas are provided throughout the library. Computer workstations, printers, photocopiers, media equipment, and wireless internet are also available.

Archives and Closed Collections

This specially designated room contains the various volumes of books that, because of their uniqueness and presentation of information, require special consideration and handling. Access to the volumes in this room is by appointment only, under supervised and controlled conditions.

ATHERTON LIBRARY

Atherton Library is located on the third floor of the Cooke Academic Center on the Hawai'i Loa campus. It is named to commemorate Frank and Eleanore Atherton and was funded as a gift of the Atherton Family Foundation. There are individual study carrels, individual study rooms, and general seating areas in the library to accommodate various needs.

Hawaiian-Pacific Collection

The majority of HPU Libraries' Hawaiian-Pacific Collection (books on Hawai'i and the Pacific region) are located in Atherton Library. These materials document the social, historical, educational, scientific, and economic events of this area and its people. The collection is further divided into circulating and reference materials.

HPU ALOHA TOWER LEARNING COMMONS

The HPU Learning Commons, located on the ground floor of Aloha Tower Marketplace, is the centerpiece of the revitalized Aloha Tower Marketplace. It is a state-of-the-art learning and technology center that provides students and faculty with a modern space to collaborate, exchange ideas, socialize, and learn as a group. Additionally, the space enriches Honolulu's intellectual and cultural scene by providing a home for seminars on arts and culture, as well as think-tank sessions for a broad range of ages and demographics.

Students have access to both PC and Mac computers in the HPU Learning Commons. PC laptops are available for checkout by students. Wi-Fi access to the internet is available throughout the facility. The four collaborative meeting rooms have 60" monitors that allow students to share their laptop or mobile device displays. The meeting rooms are also equipped for web conferencing. There are various types of work spaces for students to use for studying or group collaborations.

INFORMATION TECHNOLOGY SERVICES

The Information Technology Services (ITS) Division provides reporting and response systems for various types of computer system issues throughout the university via the ITS Service Desk. The ITS Service Desk supports HPU students, faculty, and staff with several software and hardware-related requests, including Pipeline accounts, Virtual Cloud support and associated academic applications, email, Blackboard (distance learning), and wireless connectivity.

Technical support is provided to all faculty and staff using University-provided computers and software. The ITS Service Desk may be contacted by email at help@hpu.edu, online at hpu.edu/its, or by telephone at (808) 566-2411. Requests for assistance received during working hours are acknowledged within 24 hours or the following business day for after-hours requests.

Education Technology Center (Hawaii Loa Campus)

The Education Technology Center (ETC) in the Academic Center on the Hawai'i Loa Campus provides similar services as the main Computer Center downtown, with virtual cloud desktop access, printing, copying, and scanning services. The ETC also has a hands-on testing computer classroom available to faculty; and the room is also open to staff by reservation.

The official HPU identification card, the UniCard, is processed each term by the Education Technology Center for Hawaii Loa Campus students.

HPU Pipeline

HPU Campus Pipeline is HPU's centralized in-house information and communication center. Applicants to HPU are granted access to Pipeline when they are accepted for admission. Accounts for others are set up within 24 hours of their first registration.

Announcements about activities, deadlines, and services are posted daily and are accessible from anywhere a student can log on to the internet. Through Pipeline, students may: personalize their calendars; review course schedules, financial aid status, and check grades; update mailing address; view course homepages; review course offerings for upcoming sessions; access library resources; link to many other resources and services; and access Blackboard courses.

Traditional face-to-face, online, and hybrid courses are accessed via Pipeline's Blackboard class links.

Internet Access

All students and faculty of Hawai'i Pacific University have access to the internet, online resources, and academic software and documents through various cloud workstations located in the University libraries, the Computer Centers, the Education Technology Center (ETC), Student Center, Sharky's Cove, Veteran's Center, and Learning Commons. Additionally, the libraries and computer labs are equipped with iMacs. All students are given a university email address (@my.hpu.edu). Official university communication is sent only to this email address. While not institutionally required, it is highly recommended that all students consider owning their own personal computer and peripherals in order to accomplish their academic work.

Wireless Connectivity

The HPU wireless network is available in all buildings and classrooms on the downtown campus, in the Academic Center and residence halls on the Hawai'i Loa campus, as well as most facilities, including Aloha Tower Marketplace and the Oceanic Institute, and all military campus education center locations.

Wireless technology allows students and faculty to access their email, do research on the World Wide Web, and use other internet resources to complete academic work. The wireless system also enables students and faculty to remotely access most of the programs available on the virtual cloud interface using the VMWare client.

The downtown Computer Center and ETC provide on-site assistance to students, faculty, and staff with configuring their computers for wireless use. The Service Desk is available by phone to assist with wireless setup of mobile devices, and an FAQ online is also available to guide with wireless connectivity setup.

CENTER FOR ACADEMIC SUCCESS (CAS)

The Center for Academic Success (CAS), formerly the Tutoring and Testing Center, has expanded to offer academic support services in the areas of accessibility, testing, and tutoring. As the name suggests, the aim is to help HPU students develop knowledge, skills, strategies, and tools to succeed in their academic journey and beyond.

The main center is located on the 6th floor of the Lower Bishop building (1060 Bishop Street). Additionally, tutoring services are offered at satellite locations on the Hawai'i Loa campus and in the Learning Commons at Aloha Tower Marketplace (ATM). The main contact number is

(808) 544-9334. Additional contact options and more information about the services available can be found on the website at www.hpu.edu/cas.

Accessibility Services

Under the administration of the Center for Academic Success (CAS), Accessibility Services specializes in helping students and faculty determine and provide appropriate and reasonable academic accommodations for students with documented physical and/or mental disabilities in order to support their retention and graduation. Conditions covered by the Americans with Disabilities Act (ADA) may include cognitive impairments, learning challenges, mobility restrictions, psychiatric, physical disabilities, or chronic health disorders.

Accessibility Services is committed to assisting students with permanent and temporary disabilities to gain equal access to academic programs, experiences, and facilities at HPU through academic support services, technology, and advocacy. Students are strongly encouraged to contact the office as far in advance as possible to ensure better access to available resources. The office is located on the downtown campus, Lower Bishop Building, 6th floor (1060 Bishop Street). Students may also contact the office via email at access@hpu.edu. More information is available at www.hpu.edu/access.

Americans with Disabilities Act (ADA) Syllabus Statement

Under the Rehabilitation Act of 1973 (Section 504), the Americans with Disabilities Act Amendments Act 2008 (ADAAA), and Title III (Public Accommodations), Hawai'i Pacific University does not discriminate against individuals with disabilities. Any student who feels he or she may need an accommodation based on the impact of a disability is invited to contact Accessibility Services at HPU at 808-544-1197, access@hpu.edu, www.hpu.edu/access, or at the Lower Bishop Building (LB), Suite 602, 1060 Bishop Street. This is a necessary step to ensure reasonable accommodations in a course. Students are not expected to disclose their specific disability to the professor; Accessibility Services will provide a letter for an instructor explaining the accommodations and **not** the nature of the disability. If a student would like to discuss other concerns such as a possible medical emergency or assistance needed for an emergency evacuation, make an appointment to talk with the professor as soon as possible.

Testing Services

The Center for Academic Success (CAS) houses a small, full-service testing facility on the downtown campus in the Lower Bishop Building, 6th floor (1060 Bishop Street) to support the educational endeavors of both HPU students and the larger community. Placement exams for mathematics, modern languages, and writing courses are offered free of charge for HPU students. Other exams including credit-by-exam programs (see also the section "Undergraduate Transfer Credit policy"), pre-professional testing, and non-HPU related proctoring typically require additional costs including administrative fees.

Credit by exam programs

- College Level Exam Program (CLEP)
- DANTES Subject Standardized Testing (DSST)

Placement testing

- Mathematics
- Modern languages (Chinese, French, Japanese, and Spanish)
- Writing composition

Proctoring services

Test of Essential Academic Skills (TEAS)— Pre-nursing

The Testing Office also provides quiz and exam proctoring for students registered with Accessibility Services who qualify for test-taking under prescribed, specialized conditions. Contact the office by email at assessment@hpu.edu. More information is available at

www.hpu.edu/testing.

Tutoring Services

The Center for Academic Success (CAS) offers free tutoring services for registered students and alumni at three locations. The main center is on the 6th floor of the Lower Bishop building. Similar services, including math, sciences, and writing/research paper review, are provided in the Education Technology Center (ETC) on the Hawai'i Loa campus. Evening/Weekend hours are offered in the Learning Commons at Aloha Tower Marketplace (ATM).

Tutoring is available for a wide variety of courses and subject areas such as accounting, computer science, economics, management, mathematics, modern languages, science, and all aspects of English, with heavy emphasis on both developmental and research writing. All tutoring complements and supports classroom instruction. It is designed to meet each student's individual needs and is generally given in one-to-one sessions. Instructors recommend HPU tutoring, as it is tailored to aid students in the mastery of basic skills as well as the further development and refinement of analytical skills, polishing of reports, professionalism in presentations, and other skills necessary for academic and career-related success. Use of the Center's computer lab for specified computer-assisted tutoring is also available. For more information please email tutoring@hpu.edu or visit the website www.hpu.edu/tutoring.

OFF-CAMPUS/MILITARY CAMPUS PROGRAMS

Mission

Military Campus Programs specializes in helping military service members, their families, veterans, U.S. Government civilians and other non-traditional students achieve their educational and professional goals. We provide an American education built on a liberal arts foundation recognizing the need for flexibility without sacrificing academic integrity. We use various traditional and distance learning course delivery methods to educate our students to live, work, and learn in an ever-changing global society.

Program Availability

Hawai'i Pacific University offers programs online and on several military installations on O'ahu:

- Joint Base Pearl Harbor-Hickam
- Marine Corps Base Hawai'i—Camp Smith
- Marine Corps Base Hawai'i—Kāne'ohe Bay
- Schofield Barracks
- Tripler Army Medical Center
- Coast Guard Station—Sand Island

Off-Campus/Military Campus Programs offers accelerated sessions throughout the academic year.

Civilian students without access to military installations are responsible for applying and picking up their base passes before the start of each term. Information about the base pass process is available at www.hpu.edu/military-and-veterans/military-campus/base-access.html.

Application and Admission

Military-affiliated and civilians with high school diploma or GED equivalent are eligible for admission to the Off-Campus/Military Campus Program. Department of Defense (DOD) and veterans' education benefits or tuition assistance may be applicable for some applicants. The degree programs are non-sequential to facilitate entry at any point.

Off Campus/Military Campus Programs' office staff assist with the application and admission

process. An application for admission is available online at www.hpu.edu/military-and-veterans/how-to-apply.html. (Note: Undergraduate active duty Army students using tuition assistance must apply through the GoArmyEd Portal at www.goarmyed.com.)

Applicants may apply as degree-seeking or “special status.” Degree-seeking students are those who intend to pursue an academic program of study resulting in the conferral of a degree. Special status students are eligible to take up to 15 credits without declaring a degree program.

Degree-seeking students with no prior college transfer credits must submit official high school transcripts or GED. Prospective students with at least 24 credit hours of transferrable credits (prior university/college, CLEP/DSST) may not be required to submit high school or GED transcripts. However, students must provide official college transcripts confirming the 24 transferable credit hours.

Special status students must complete a special status application. If a special status student decides to pursue a degree, the student will need to complete a degree-seeking application. (Applicants to HPU’s graduate programs should refer to the graduate admissions section.)

Course Registration

A schedule of courses is available online at www.hpu.edu/military-and-veterans/military-campus/course-schedules.html.

Students may register in person for classes at any Off-Campus/Military Campus Programs office on O’ahu, the Military/Veteran Center, or through their campus Pipeline account. Active duty Army students, Army Reservists, and Army National Guard members using Army tuition assistance benefits must register for their courses through the Army’s GoArmyEd web portal. Off-island students may register online through HPU’s online portal, Pipeline (Army students should register through GoArmyEd portal). Off-island students may also request a downloadable version of the registration form by contacting their respective Military Campus Programs/Base Office.

Veterans’ Benefits

See Military/Veterans Service Center section in the Student Services section of this catalog for detailed information.

Online Courses

Off-Campus/Military Campus Programs (OCP/MCP) offers eligible students the opportunity to pursue their educational programs with HPU regardless of location. The OCP/MCP online program provides students the opportunity to complete courses with HPU toward its associate or select bachelor degrees. Online courses apply toward meeting residency requirements.

Servicemembers Opportunity Colleges (SOC)

Hawai’i Pacific University is a member of the Servicemembers Opportunity Colleges (SOC) Consortium and network, which meets the educational needs of service members and their families. SOC institutions recognize and evaluate specialized learning acquired through military service insofar as such learning applies to a program of study. Select degree programs can be completed with the university online. Upon completion of the university’s residency requirements, a relocated student may also continue to study at another accredited institution. Credits earned at the other institution may serve as transfer credits to fulfill Hawai’i Pacific University degree requirements.

SOC Eligibility Requirements

Active and retired military, members of the Reserves and National Guard, veterans, Department of

Defense employees, and their immediate family members are eligible for participation. SOC guarantees are restricted to specific degree programs. For all other degree programs, consult with an advisor, the assistant dean, or dean.

SOC contracts are binding for the degree program of study upon issuance. The contract guarantees that program requirements will not change. Students may, however, opt into a more current version of the program of study at their request.

Students may change their degree programs or majors and receive another SOC contract, provided they have not completed a program of study in effect with HPU at the same academic level (associate or baccalaureate).

Students must complete all university academic and residency requirements to be eligible for graduation under the SOC program. The university currently has established no time limits for completion of SOC degree programs.

HPU/SOC Residency Requirements

SOC students must complete 30 credit hours with HPU, including 12 credit hours of major coursework in baccalaureate programs (15 credit hours with HPU and six in the major for associate degree programs). There are no “final semester” residency requirements for SOC-eligible students. A student unable to complete residency requirements prior to departure from Hawai‘i may complete appropriate HPU online courses to meet these requirements, if available.

SOC Degree Programs

The following is a list of Hawai‘i Pacific University’s SOC-approved degree programs or degree programs for which SOC contracts are issued:

Associate Degree Programs

Associate of Arts

- General Studies

Associate of Science

- Computer Science
- Criminal Justice
- General Business
- Health Professions
- Homeland Security
- Mathematics
- Military Studies
- Supervisory Leadership

Baccalaureate Degree Programs

Bachelor in Public Administration

Bachelor of Arts

- History
- Human Resource Development
- Individualized Major
- International Studies
- Psychology

Bachelor of Science

- Business Administration
- Computer Science
- Criminal Justice
- Diplomacy and Military Studies

All associate degree programs and select baccalaureate degree programs are available in formats of hybrid, online, or a combination of both. Refer to the Off-Campus/Military Campus Programs website at www.hpu.edu/military-and-veterans/military-campus/programs-of-study.html for the most current list of degree programs available entirely online.

Navy-College Program Distance Learning Program (NCPDLP) Partnership and EARMYU

HPU participates as a partner in both the Navy College Program Distance Learning Partnership and EarmyU. Refer to the Off-Campus/Military Campus Programs website www.hpu.edu/military-and-veterans/index.html for the most current information on these programs.

Military National Test Centers

Off-Campus/Military Campus Programs operates five National Test Centers (NTC) at military bases on O‘ahu. The NTCs provide military-affiliated students access to CLEP, DSST, and Pearson VUE examinations. The MCP NTCs are located at: Joint Base Pearl Harbor-Hickam (both locations), Tripler Medical Center, Schofield Barracks, and MCBH–Kāne‘ohe Bay. Testing schedules vary by base. For additional information, email mcptesting@hpu.edu.

UNDERGRADUATE PROGRAMS



Undergraduate Programs

Hawai'i Pacific University offers the following undergraduate degree programs and majors. Some of these programs include multiple concentration options. For more detailed information, please refer to the program requirement elsewhere in this catalog.

<p>College of Business Associate of Science ¹</p> <ul style="list-style-type: none"> • General Business <p>Bachelor of Science in Business Administration ²</p> <p>College of Health and Society Bachelor of Science in Nursing Bachelor of Science in Public Health Bachelor of Social Work</p> <p>College of Liberal Arts Bachelor of Arts</p> <ul style="list-style-type: none"> • Communication Studies • East-West Humanities • English • History² • Integrated Multimedia • International Studies² • Multimedia Cinematic Production • Political Science • Psychology² • Teaching English to Speakers of Other Languages (TESOL) <p>Bachelor of Science</p> <ul style="list-style-type: none"> • Diplomacy and Military Studies² • Mass Communication <p>College of Natural and Computational Sciences Bachelor of Arts</p> <ul style="list-style-type: none"> • Environmental Studies 	<p>Bachelor of Science</p> <ul style="list-style-type: none"> • Biochemistry • Biology • Biomedical Engineering • Biotechnology Engineering • Chemistry • Computer Science • Electrical Engineering • Environmental Science • Marine Biology • Mathematics • Oceanography <p>College of Professional Studies Associate of Arts ¹</p> <ul style="list-style-type: none"> • General Studies <p>Associate of Science ¹</p> <ul style="list-style-type: none"> • Computer Science • Criminal Justice • Cybersecurity • Health Professions • Homeland Security • Mathematics • Supervisory Leadership <p>Bachelor in Public Administration Bachelor of Arts</p> <ul style="list-style-type: none"> • Human Resource Development • Individualized Major ³ <p>Bachelor of Education in Elementary Education Bachelor of Science</p> <ul style="list-style-type: none"> • Criminal justice
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¹ Associate degrees are only available to military community students through the College of Business and the College of Professional Studies.

² Degree also delivered through College of Professional Studies online and on base through the Military Campus Programs.

³ Individualized Major: Students may also choose to earn a BA degree with a specialized major outside of the established majors. Such students must consult with an academic advisor and have their respective program approved by the coordinator and program chair in the College of Professional Studies.

Minors

Hawai'i Pacific University offers minor programs of study in many fields. Students may choose to pursue a minor in addition to their major field of study.

A minor program of study encompasses completion of selected courses that are fewer in number and less comprehensive than a major. At least four courses are required for a minor. Students must complete a minimum of six credit hours of minor coursework in residence with HPU in order to be awarded the minor. Although the minor is not listed on the student's diploma, it does appear on the HPU transcript, provided that the student has completed all necessary coursework at the time the student's degree is conferred. Minors must be identified prior to degree conferral. Students may not add minor courses of study to degree programs that have already been completed and conferred on the HPU transcript. Please refer to the "Minors" section of this catalog for specific requirements for each minor

College of Business

- Accounting
- Business Economics
- Finance
- Hospitality and Tourism Management
- International Business
- Management
- Marketing

College of Health and Society

- Forensic Health Science
- Gerontology
- Health Promotion

College of Liberal Arts

- American Studies
- Art History
- Classical Studies
- Communication Studies
- Diplomacy and Military Studies
- East-West Classical Studies
- English
- Film Studies
- Gender and Women's Studies
- Global Communication
- History
- Humanities
- Industrial/Organizational Psychology
- International Studies
- Japanese
- Media Studies
- Multimedia

- Music
- Philosophy
- Political Science
- Psychology
- Religious Studies
- Social Sciences
- Spanish
- Speech Communication
- Studio Art
- Teaching English to Speakers of Other Languages (TESOL)
- Theater
- Writing

College of Natural and Computational Sciences

- Biology
- Chemistry
- Computer Information Systems
- Computer Science
- Environmental Studies
- Mathematics
- Oceanography
- Physical Sciences
- Pre-Medical Studies

College of Professional Studies

- Criminal Justice
- Human Resource Development
- Public Administration

GENERAL EDUCATION

The General Education Program at Hawai‘i Pacific University is designed to help students lead exultant and courageous lives as intelligent members of a complex society. By introducing students to different ways of knowing, the General Education Program challenges students to become creative and innovative, both within their chosen career fields and in their wider lives. In so doing, the General Education Program prepares students for the challenges and opportunities of the 21st century.

The purpose of the General Education Program is to provide students with a liberal arts foundation set in the rich cultural context of Hawai‘i. Diverse courses outside the major will inspire lifelong learning by introducing students to ideas, perspectives, and experiences relevant to their lives. The General Education Program cultivates the skills, knowledge, and values expected of all educated persons through the achievement of specific student learning outcomes.

The unique features of the General Education Program are the Hawaiian context and Hawai‘i’s place as the crossroads of the Pacific. This curriculum is delivered to an internationally diverse, engaged student body and emphasizes multidisciplinary approaches, applied learning, and experiential learning, rooted in a tropical island community.

The General Education Curriculum is aligned with the following WASC Senior College and University Commission (WSCUC) core competencies: critical thinking, information literacy, oral communication, quantitative reasoning, and written communication.

GENERAL EDUCATION PROGRAM OBJECTIVES:

The General Education Curriculum features three program objectives that are aligned with thirteen student learning outcomes:

Skills (Mākau Na‘auao):

Students will develop skills in writing, quantitative reasoning, critical thinking, group process, and communication so they can find, evaluate, and implement information effectively to solve problems.

- **Critical Thinking**—Students synthesize information, explain issues, analyze concepts and evidence, assess assumptions, define their own perspectives and positions, and evaluate the implications and consequences of their conclusions.
- **Oral Communication**—Students speak clearly and effectively for a variety of audiences and purposes.
- **Written Communication**—Students write clearly and effectively for a variety of audiences and purposes.
- **Information Literacy**—Students locate, interpret, determine the credibility of, and use information effectively, ethically, and legally.
- **Quantitative Reasoning**—Students use quantitative reasoning to analyze problems and identify solutions.
- **Technology and Innovation**—Students apply an understanding of technology to solve problems; explore innovative practices for acquiring, analyzing, and sharing information; and understand the impact of technology on society.
- **Aesthetic Appreciation**—Students will engage in creative practices to interpret and express ideas through various art forms.
- **Teamwork**—Students work effectively in teams.

Knowledge and Perspectives ('Ike):

Students will explore diverse social and cultural viewpoints and gain knowledge about the historical, geographical, natural, technological, and contemporary forces that impact and shape the world.

- **Natural Sciences**—Students apply concepts from the natural sciences to describe, analyze, or explain natural phenomena.
- **Historical and Conceptual Perspectives**—Students investigate and apply concepts from history or the humanities to describe and analyze phenomena over time.
- **Sustainability**—Students identify how ecological, social, and economic systems work together to promote sustainable futures.
- **Societies and Cultures**—Students explore cross-cultural perspectives that both distinguish and connect regions, countries, languages, and cultures.

Values (Mea Waiwai):

Students will discern and assess the values that underlie various critical positions, articulate their own values with coherence and integrity, and participate in community projects that bridges academia and the public good.

- **Civic Engagement**—Students identify and engage in efforts that constructively influence the public good.
- **Ethical Reasoning and Values**—Students identify, explain, and evaluate the ethical perspectives of others and themselves.

FIRST YEAR CORE CURRICULUM AREAS

Hawai'i and the Pacific (1 course—3 semester credits or 4 quarter credits for transfer students)

This curriculum area provides multidisciplinary courses and is required for all HPU students (including transfer students with an Associate in Arts or Associate in Science Degree). Courses in this curriculum area are designed to deepen student awareness of the unique place where they have chosen to live and study. Multidisciplinary courses analyze historical developments, science, politics, values, art, geography, music, religion, and cultural practices within Hawai'i and across the Pacific.

Students successfully completing these courses will obtain the following skills, knowledge, perspectives, and values:

Skills (Mākau Na 'auao):

- **Aesthetic Appreciation**—Students will engage in creative practices to interpret and express ideas through various art forms.

Knowledge and Perspectives ('Ike):

- **Historical and Conceptual Perspectives**—Students investigate and apply concepts from history or the humanities to describe and analyze phenomena over time.
- **Sustainability**—Students identify how ecological, social, and economic systems work together to promote sustainable futures.

Values (Mea Waiwai):

- **Civic Engagement**—Students identify and engage in efforts that constructively influence the public good.

Students must select one course from the following options:

AL	1050	Languages in the Pacific
ANTH	1500	Contemporary Social Activism in Hawai'i
ARTH	1001	Arts of Oceania

BIOL	2170	Ethnobotany: People and Plants
ENG	1101	Representations of Pacific Life
HAWN	1100	Beginning Hawaiian I
HIST	1558	Living History of Hawai'i
PHIL	1001	Philosophies of Hawai'i and the Pacific

Courses in this curriculum area must be taken in a student's first year at HPU and are required for all HPU students (including transfer students with an Associate in Arts or Associate in Science Degree).

Quantitative Analysis and Symbolic Reasoning (1 course—3 semester credits or 4 quarter credits for transfer students)*

Courses in this curriculum area prepare students for an increasingly data-driven society in which the ability to use and critically evaluate information, especially numerical information, is central to the role and requirements of an informed citizen. Students will acquire the skills necessary to identify and understand a given problem, organize relevant information and assumptions, form a conjecture, decide upon and apply an appropriate strategy, draw conclusions, and communicate the result to others. Through these processes, students will enhance their ability to make rational decisions based on data, and apply mathematical, statistical, or symbolic reasoning to complex problems and decision-making.

Students successfully completing these courses will obtain the following skills:

Skills (*Mākau Na 'auao*)

- *Technology and Innovation*—Students apply an understanding of technology to solve problems; explore innovative practices for acquiring, analyzing, and sharing information; and understand the impact of technology on society.
- *Critical Thinking*—Students will synthesize information from text and/or other media, explain issues, analyze concepts and evidence, assess assumptions, define their own perspectives and positions, and evaluate the implications and consequences of their conclusions.
- *Quantitative Reasoning*—Students use quantitative reasoning to analyze problems and identify solutions.

Students must select one course from the following options:

CSCI	1534	Data Analysis and Visualization-the Good, the Bad, the Ugly
MATH	1120	How Numbers Shape Our Lives
MATH	1123	Statistics
MATH	1130	Pre-calculus I
MATH	1150	Pre-calculus I and II Accelerated
MATH	2214	Calculus I
PHIL	2090	Principles of Logic
PSY	1100	Probabilistic Thinking: Randomness, Chaos, and Chance

Courses in this curriculum area must be taken in a student's first year at HPU or directly following any required developmental mathematics course(s).

**Place out option: Students who score 630 or above on the SAT math or 28 or above on the ACT math may place out of the Quantitative Analysis and Symbolic Reasoning course requirement. Students will not receive course credit for a course in this category; however, they will have satisfied the Quantitative Analysis and Symbolic Reasoning course requirement.*

Written Communication and Information Literacy I (1 course—3 semester credits or 4 quarter credits for transfer students)*

The first course in this sequence facilitates students' entry into the intellectual life of Hawai'i Pacific University by helping them to become more capable and independent academic readers and writers. With their small section size and emphases on research, information literacy, the writing and revision process, critical analysis, and collaboration, courses in this curriculum area help students develop academic habits and skills important to their success in future courses.

Students successfully completing these courses will obtain the following skills:

Skills (Mākau Na 'auao):

- *Written Communication*—Students write clearly and effectively for a variety of audiences and purposes.
- *Critical Thinking*—Students synthesize information, explain issues, analyze concepts and evidence, assess assumptions, define their own perspectives and positions, and evaluate the implications and consequences of their conclusions.
- *Information Literacy*—Students locate, interpret, determine the credibility of, and use information effectively, ethically, and legally.

Courses in this curriculum area must be taken in the student's first year at HPU or directly following any required foundational writing course(s).

Students must select one course from the following options*:

WRI	1100	Writing and Analyzing Arguments
WRI	1150	Literature and Argument

**Place out option: Students who score 630 or above on the SAT critical reading or 28 or above on the ACT English may place out of the Written Communication and Information Literacy I course requirement. Students will not receive course credit for a course in this category; however, they will have satisfied the Written Communication and Information Literacy I course requirement.*

Written Communication and Information Literacy II (1 course—3 semester credits or 4 quarter credits for transfer students)

The second course in this sequence further facilitates students' entry into the intellectual life of Hawai'i Pacific University by helping them to become more capable and independent academic readers and writers. With their small section size and emphases on research, information literacy, the writing and revision process, critical analysis, and collaboration, courses in this curriculum area help students develop academic habits and skills important to their success in future courses.

Students successfully completing these courses will obtain the following skills:

Skills (Mākau Na 'auao):

- *Written Communication*—Students write clearly and effectively for a variety of audiences and purposes.
- *Critical Thinking*—Students synthesize information, explain issues, analyze concepts and evidence, assess assumptions, define their own perspectives and positions, and evaluate the implications and consequences of their conclusions.
- *Information Literacy*—Students locate, interpret, determine the credibility of, and use information effectively, ethically and legally.

Students must select one course from the following options:

WRI	1200	Research, Argument, and Writing
WRI	1250	Introduction to Research in the Humanities

GENERAL EDUCATION CORE CURRICULUM AREAS

The American Experience (1 course—3 semester credits or 4 quarter credits for transfer students)

Courses in this curriculum area explore multiple histories, social movements, cultural heritages, and belief systems that shape the United States—its norms, laws, public policies, and discourses—in the context of the country’s rich and varied cultural diversity. Students will develop oral communication skills, consider ethical and social decisions from multiple perspectives, explore individual and group beliefs, and critically examine factors supporting and sustaining inequitable treatment of groups of people in the U.S.

Students successfully completing these courses will obtain the following skills, knowledge, perspectives, and values:

Skills (*Mākau Na ‘auao*):

- *Oral Communication*—Students speak clearly and effectively for a variety of audiences and purposes.

Knowledge and Perspectives (*‘Ike*):

- *Historical and Conceptual Perspectives*—Students investigate and apply concepts from history or the humanities to describe and analyze phenomena over time.
- *Societies and Cultures*—Students explore cross-cultural perspectives that both distinguish and connect regions, countries, languages, and cultures.

Values (*Mea Waiwai*):

- *Ethical Reasoning and Values*—Students identify, explain, and evaluate the ethical perspectives of others and themselves.

Students must select one course from the following options:

AMST	2000	Topics in American Studies
HIST	1401	American Stories: Themes in American History to 1877
HIST	1402	The American Experience: 1865 to the Present
HUM	1270	Introduction to Gender and Women’s Studies
PADM	1000	Introduction to Leadership in America
PHIL	2500	Ethics in America
PSCI	1400	American Political System
SOC	1000	Introduction to Sociology

Creative Arts (1 course—3 semester credits or 4 quarter credits for transfer students)

The creative arts celebrate the human capacity to imagine, create, and transform ideas into expressive forms, such as paintings, poems, music, theater, digital design, and photography. Courses in this curriculum area introduce students to ways of experiencing and understanding a variety of artistic concepts, structures, and forms. Students will engage in imaginative and intuitive practices to develop their ability to understand creative works and express ideas through the arts.

Students successfully completing these courses will obtain the following skills, knowledge, and perspectives:

Skills (*Mākau Na ‘auao*):

- *Aesthetic Appreciation*—Students will engage in creative practices to interpret and express ideas through various art forms.

- *Oral Communication*—Students speak clearly and effectively for a variety of audiences and purposes.
- *Written Communication*—Students write clearly and effectively for a variety of audiences and purposes.

Knowledge and Perspectives (*Ike*):

- *Societies and Cultures*—Students explore cross-cultural perspectives that both distinguish and connect regions, countries, languages, and cultures.

Students must select one course from the following options:

ARTH	2301	Topics in World Art History
ARTS	1000	Introduction to Visual Arts
ARTS	2150	Introduction to Design
ENG	2000	The Art of Literature
MUS	1000	Introduction to Western Classical Music
MUS	2101	Music in World Culture
THEA	2320	Acting I: Basic Acting for Stage and Screen
WRI	2601	Introduction to Creative Writing

Critical Thinking and Expression (1 course—3 semester credits or 4 quarter credits for transfer students)*

Critical thinking intersects with oral, written, and visual communication skills as fundamental proficiencies required for academic, professional, and personal success. Courses in this curriculum area prepare students to think critically about questions of fact, value, or concept. Students will learn the techniques, strategies, and methods of critical thinking, practice oral and visual communication skills, and demonstrate the ability to express ideas and arguments clearly and coherently.

Students successfully completing these courses will obtain the following skills:

Skills (*Mākau Na ‘auao*):

- *Oral Communication*—Students speak clearly and effectively for a variety of audiences and purposes.
- *Written Communication*—Students write clearly and effectively for a variety of audiences and purposes.
- *Technology and Innovation*—Students apply an understanding of technology to solve problems; explore innovative practices for acquiring, analyzing, and sharing information; and understand the impact of technology on society.
- *Critical Thinking*—Students synthesize information, explain issues, analyze concepts and evidence, assess assumptions, define their own perspectives and positions, and evaluate the implications and consequences of their conclusions.

Students must select one course from the following options:

COM	1000	Introduction to Communication Skills
COM	2000	Public Speaking
ECON	2010	Principles of Microeconomics
ENG	2100	Reading Literature, Film, and Culture
GEOG	2000	Visualizing Human Geography
HIST	1717	Reacting to the Past
PH	1300	Public Health Ethics
PSY	1000	Introduction to Psychology

**It is highly recommended that students fulfill this curriculum area requirement early in their degree plan.*

Global Crossroads and Diversity (1 course—3 semester credits or 4 quarter credits for transfer students)

Courses in this curriculum area explore cross-cultural perspectives and selected concepts that underscore contemporary issues of global concern. Students will develop awareness of cultural practices and traditions in the context of a changing, globalizing world while reflecting on their own values and customs. Students will learn exchange ideas and connect with diverse communities and cultures.

Students successfully completing these courses will obtain the following skills, knowledge, and perspectives:

Skills (*Mākau Na ‘auao*):

- *Teamwork*—Students work effectively in teams.

Knowledge and Perspectives (*‘Ike*):

- *Historical and Conceptual Perspectives*—Students investigate and apply concepts from history or the humanities to describe and analyze phenomena over time.
- *Societies and Cultures*—Students explore cross-cultural perspectives that both distinguish and connect regions, countries, languages, and cultures.

Students must select one course from the following options:

AL	2000	Introduction to Linguistics
ANTH	2000	Cultural Anthropology
GEOG	1500	World Regional Geography
HIST	1002	Global Crossroads: 1500–Present
INTR	1000	The International System
MULT	2000	Global Cinema Studies
PH	2060	Comparative Healthcare Systems
REL	1000	Introduction to World Religions

The Natural World (1 course—3 semester credits or 4 quarter credits for transfer students)

Courses in this curriculum area focus on the nature of discovery, scientific reasoning, and invention to develop critical awareness of the methods and limits of scientific inquiry. Students will cultivate observational and analytical skills, particularly in reference to the natural world.

Students successfully completing these courses will obtain the following skills, knowledge, and perspectives:

Skills (*Mākau Na ‘auao*):

- *Quantitative Reasoning*—Students use quantitative reasoning to analyze problems and identify solutions.
- *Creative Problem-Solving*—Students will define and research problems, identify problem-solving strategies, generate and select appropriate solutions, and evaluate their outcomes.

Knowledge and Perspectives (*‘Ike*):

- *Natural Sciences*—Students apply concepts from the natural sciences to describe, analyze, or explain natural phenomena.

Students must select one course from the following options:

BIOL	1000	Introductory Biology
BIOL	1300	Nutrition: Eat Smarter
CHEM	1000	Introductory Chemistry
CHEM	2050	General Chemistry I

GEOG	1000	Introduction to Physical Geography
GEOL	1000	The Dynamic Earth
MARS	1000	Introductory Oceanography
PHYS	1020	Astronomy

The Sustainable World (1 course—3 semester credits or 4 quarter credits for transfer students)

Courses in this curricular area help students understand the changing world they live in and become active contributors as society seeks to achieve sustainability. Students will examine, through multidisciplinary perspectives, the inherent connection between natural, social, and economic systems and engage in applied and experiential learning opportunities. Students will engage in community activities that encourage them to think of a future they wish to create, rather than react to present problems by reductive problem solving.

Students successfully completing these courses will obtain the following skills, knowledge, perspectives, and values:

Skills (*Mākau Na ‘auao*):

- *Teamwork*—Students work effectively in teams.

Knowledge and Perspectives (*‘Ike*):

- *Natural Sciences*—Students apply concepts from the natural sciences to describe, analyze, or explain natural phenomena.
- *Sustainability*—Students identify how ecological, social, and economic systems work together to promote sustainable futures.

Values (*Mea Waiwai*):

- *Civic Engagement*—Students identify and engage in efforts that constructively influence the public good.

Students must select one course from the following options:

AQUA	1200	Global Aquaculture for Food Security and Conservation
ARTS	1003	Sustainable Art and Design
BIOL	1500	Conservation Biology
ENVS	1000	The Sustainability Challenge
ENVS	1030	Tropical Ecology and Sustainability
MARS	1500	Marine Biology and Global Oceans
SWRK	2010	Social Sustainability, Social Work, and Entrepreneurship

Technology and Innovation (1 course—3 semester credits or 4 quarter credits for transfer students)

Courses in this curriculum area explore technology systems and processes in order to develop an understanding of the impact of technology on individuals, the environment, and the global community. Students will apply modern technology for acquiring, analyzing, and sharing information; and through this endeavor, they will learn both physical and social aspects of technology, explore innovative practices and be challenged to draw upon their imagination and knowledge to propose novel solutions to problems.

Students successfully completing these courses will obtain the following skills:

Skills (*Mākau Na ‘auao*):

- *Creative Problem-Solving*—Students will define and research problems, identify problem solving strategies, generate and select appropriate solutions, and evaluate their outcomes.
- *Critical Thinking*—Students synthesize information, explain issues, analyze concepts and evidence, assess assumptions, define their own perspectives and positions, and evaluate

the implications and consequences of their conclusions.

- *Information Literacy*—Students locate, interpret, determine the credibility of, and use information effectively, ethically, and legally.

Students must select a course from the following options:

CSCI	1041	Digital Literacy in a Global Society
CSCI	1061	Mobile Technologies for the 21st Century
CSCI	1611	A Gentle Introduction to Programming
ENGE	1000	Introduction to Engineering Systems and Professional Practice
HIST	2630	The History of Science and Technology
MATH	1234	Introduction to Cryptology
MIS	2000	Information Tools for Business
MULT	1100	Foundations of Multimedia Production

Traditions & Movements that Shape the World (1 course—3 semester credits or 4 quarter credits for transfer students)

Courses will help students explore the historical development of human societies and important movements and themes that have shaped and continue to influence the world. Students will assess information, ask questions, debate ideas, and explain the significance of political, social, scientific, and cultural trends in a historical context.

Students successfully completing these courses will obtain the following knowledge, perspectives, and values.

Knowledge and Perspectives ('Ike):

- *Historical and Conceptual Perspectives*—Students investigate and apply concepts from history or the humanities to describe and analyze phenomena over time.
- *Societies and Cultures*—Students explore cross-cultural perspectives that both distinguish and connect regions, countries, languages, and cultures.

Values (Mea Waiwai):

- *Ethical Reasoning and Values*—Students identify, explain, and evaluate the ethical perspective of others and themselves.

Students must select a course from the following options:

AL	1100	Language, Power, and Identity
CLST	1000	Great Books, East and West
ECON	2015	Principles of Macroeconomics
ENG	2500	World Literature
HIST	1001	Traditions and Encounters: World Cultures to 1500
PH	1200	Introduction to Public Health Professions
PSCI	2000	Introduction to Politics
SOC	2600	Peace Studies

COLLEGE OF BUSINESS



ASSOCIATE OF SCIENCE
MAJOR: GENERAL BUSINESS
Total Credits Required: 60 Credits

Hawai'i Pacific University offers the Associate of Science degree in General Business to students enrolled through Military Campus Programs upon completion of 60 credit hours of required and elective subjects. Students may continue to take the courses required for a Bachelor of Science in Business Administration with a concentration in General Business, Accounting, Business Economics, Finance, Hospitality and Tourism Management, International Business, Management, or Marketing.

PROGRAM OBJECTIVES

Students who earn the Associate of Arts in General Studies will:

1. *Conduct analysis of data and use business reasoning to resolve business issues to achieve organizational goals.*
2. *Demonstrate the ability to apply technology.*
3. *Describe in writing the primary management functions of a business and organizational structure options.*
4. *Solve business problems and make decisions based on data, analysis, and best practices.*
5. *Present orally analysis, findings, and recommend action to be taken in business situations.*

FOUNDATIONAL COURSES (0 TO 11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (12 CREDITS)

ECON	2010	Principles of Microeconomics (<i>Critical Thinking & Expression</i>)
ECON	2015	Principles of Macroeconomics (<i>Traditions & Movements that Shape the World</i>)
MATH	1130	Pre-Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)
MIS	2000	Information Tools for Business (<i>Technology & Innovation</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (9 CREDITS)

BUS	1000	Introduction to Business
MATH	1123	Statistics
MATH	2326	Mathematics for Decision-Making

UNRESTRICTED ELECTIVES (15 CREDITS)

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach 60 credit hours.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION WITH CONCENTRATION

Total Credits Required: 120 Credits

The mission of the College of Business Administrations is to prepare profession-ready global leaders. The Bachelor of Science in Business Administration allows the student a choice from among nine concentrations—Accounting, Business Economics, Finance, General Business, Hospitality and Tourism Management, International Business, Management, Management Information Systems, and Marketing. Courses often use project-based learning activities as a means to connect the knowledge and skills that are developed in the classroom with the application in real-world settings. The emphasis in courses is on cross-functional awareness by considering organizations as systems whereby each functional area has a role to play in successful and well-managed operations.

PROGRAM OBJECTIVES

Students who complete this degree will have the capability to:

- 1. Demonstrate an understanding of organizational vocabulary, structures, and cultures.*
- 2. Demonstrate an understanding of the processes that support systems, stakeholders, and decision-making in professional and global contexts.*
- 3. Use critical thinking skills to collect and analyze data, draw logical conclusions, and present information in a comprehensive manner.*
- 4. Effectively communicate qualitative and quantitative information in speaking, writing, and presenting.*
- 5. Perform research using the appropriate authoritative literature and other secondary sources.*
- 6. Contribute to project-based activities as both a leader and team member.*
- 7. Identify attitudes that reflect sound principles, values, ethics, and professional responsibility.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (12 CREDITS)

ECON	2010	Principles of Microeconomics (<i>Critical Thinking & Expression</i>)
ECON	2015	Principles of Macroeconomics (<i>Traditions & Movements that Shape the World</i>)
MATH	1130	Pre-Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)
MIS	2000	Information Tools for Business (<i>Technology & Innovation</i>)

LOWER-DIVISION BUSINESS REQUIREMENTS (18 CREDITS)

ACCT	2000	Principles of Accounting I
ACCT	2010	Principles of Accounting II
BUS	1000	Introduction to Business
HTM	2010	Applied Methods in the Hotel and Travel Industry or MGMT 2000 Principles of Management
MATH	1123	Statistics
MATH	2326	Mathematics for Decision Making

UPPER-DIVISION REQUIREMENTS

UPPER-DIVISION BUSINESS REQUIREMENTS (21 CREDITS)

ECON	3020	Managerial Economics
FIN	3000	Business Finance
MGMT	3060	The Legal and Regulatory Context for Managers
MGMT	3100	Business in Contemporary Society
MGMT	3300	International Business Management
MIS	3000	Fundamentals of Information Systems
MKTG	3000	Principles of Marketing

CAPSTONE REQUIREMENT (3 CREDITS)

MGMT 4001 Business Policy

CONCENTRATION REQUIREMENTS (21 CREDITS)

Accounting Concentration

This concentration is for those students who like the challenges of demystifying puzzles as well as problem solving. Students are prepared to seek accounting positions in public accounting, private industry, government service, and not-for-profit organizations. Internships are available and may be considered as an elective for this concentration. Alumni are employed by international firms, regional and local firms, by public and private corporations, and by various government and non-government agencies.

ACCT	3000	Intermediate Accounting I
ACCT	3010	Intermediate Accounting II
ACCT	3020	Intermediate Accounting III
ACCT	3200	Managerial Accounting
ACCT	3300	Federal Income Tax—Individuals
ACCT	4100	Auditing

Plus one upper-division accounting elective

Business Economics Concentration

Business Economics is a structured concentration and provides excellent preparation for students who prefer exposure to the various functional areas of business such as finance, accounting, marketing, management, and management information systems as a solid grounding in economic fundamentals. Business Economics graduates are employed by financial institutions, brokerage firms, insurance companies, government, and other financial-related organizations.

ECON	3010	Intermediate Microeconomics
ECON	3015	Intermediate Macroeconomics
ECON	3100	Introduction to Econometrics
ECON	3300	Money and Banking
ECON	3400	International Trade and Finance

Plus two upper-division electives from economics or finance

Finance Concentration

Students selecting this concentration develop analytical and financial management skills, improve decision-making abilities, and enhance their communication skills. Students are provided with a sound foundation in economic theory that underlies the functions of domestic and international financial markets. In addition, the curriculum encourages an intensive focus on both the application and theory of operations of the capital markets. Finance graduates are employed by banks, credit unions, brokerage houses, financial institutions, insurance companies, government agencies, and other related organizations.

ECON	3100	Introduction to Econometrics
ECON	3300	Money and Banking
ECON	3400	International Trade and Finance
FIN	3200	Personal Finance
FIN	3300	Investments
FIN	3400	Financing in the Money and Capital Markets

Plus one upper-division elective from economics, finance, or real estate

General Business Concentration

This concentration allows students the flexibility to select courses from several business disciplines without the constraint of completing a pre-determined set of courses.

Any seven upper-division business electives are required for this concentration.

Hospitality and Travel Management Concentration

Few places of the world are better suited to study Hospitality and Tourism Management than Hawai'i, one of the world's greatest tourist destinations. Students will have the opportunity to experience a living laboratory of tourism management; with over 8 million tourists visiting per year,

tourism is the heart of Hawai'i's economy. Through internships and partnership projects with major hotels and travel providers, plus one of the most diverse cultural student and faculty populations and affiliations with major global associations and professional travel clubs, HTM students are often already connected to their first career position when they graduate.

The Hospitality and Tourism Management concentration will expose students to all aspects of hospitality and tourism from a management focus. The courses combine theory and practice with opportunities for project-based learning, group projects, and field experiences to prepare students to be professional-ready global leaders in the field of hospitality and tourism. 600 hours of work experience in the hospitality-related field is required.

HTM	3110	Hotel and Resort Management
HTM	3210	Food and Beverage Management
HTM	3220	Special Events Management
HTM	3580	Cultural Values and Hotel Management
HTM	3610	Travel Industry Marketing
HTM	4410	Destination Development and Marketing

HTM WORK EXPERIENCE (600 hours of hospitality related work experience: 3 credits)

International Business Concentration

This concentration provides a strong foundation in the current issues and problems that international managers face. It is based on an analytical approach that is comparative in nature, and the orientation is toward practical applications. Global problems related to population, resources, energy, food, the environment, and other pertinent topics are also presented and discussed. A variety of international cultures are studied with particular attention given to values and consumer patterns in those cultures. Students will have the opportunity to analyze business activities across cultures, social and environmental consequences of location decisions, and the alternative use of resources. This concentration is based on an understanding of basic economic and business decision making.

Complete the following courses:

ECON	3400	International Trade and Finance
MKTG	3420	International Marketing

Plus one appropriate upper-division business elective

Plus one of the following courses:

GEOG	3730	Economic Geography
PSCI	3500	Comparative Politics
PSCI	3510	Political Development
PSCI	3520	Politics and Government in Asia
PSCI	3525	Islam and Politics
PSCI	3560	The Politics of Culture and Race

Plus one of the following courses:

INTR	3100	International Political Economy
INTR	3275	Global Governance
INTR	3300	International Law
INTR	3400	International Relations of Asia

Plus one of the following courses:

INTR	39XX	Any Contemporary Nations series course
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Plus one of the following courses:

HIST	3231	Europe: the 20 th Century
HIST	3501	Islam and the Middle East
HIST	3551	Pacific Island History
HIST	3650	History of Oil in the Modern World

Management Concentration

This concentration provides for the study of contemporary management principles applicable to

all occupations and organizations. A strong business administration core is augmented by a wide variety of management electives directed toward the student's particular interests. Current issues and problems related to organizational environments and structures are introduced, with a strong emphasis on internal business management. The place, function, and effects of small business in the U.S. economy are examined. In order to meet the challenges of today and tomorrow, an exploration of the process of change in organizations, and models of innovation are studied. A systems approach to planning and decision-making (including the management processes), information support, and the evaluation of public relations are also examined.

Complete the following courses:

MGMT	3000	Organizational Behavior
MGMT	3110	Production and Operations Management
MGMT	3400	Human Resource Management
MGMT	3440	Organizational Change and Development
MGMT	3750	International Human Resource Management
MKTG	3630	Global Distribution and Supply Chain Marketing

Plus one course from the following:

MGMT	3442	Managing Organizational Culture
MGMT	3444	Training and Development in Organizations
HTM	3220	Special Events Management

Management Information Systems Concentration

This concentration is designed to produce leaders in management information systems; this concentration combines a business administration core with hands-on computer systems experience. The curriculum is based on the ACM standards. Students have opportunities to enroll in internships that may lead to career positions. There is also the opportunity to participate in career-related student organizations and honor societies. This concentration also provides the foundation for students who wish to continue their education in the Master of Science in Information Systems (MSIS) degree program.

MIS	3020	Information Systems Project Management
MIS	3050	Application Development
MIS	3060	Systems Analysis and Design
MIS	3065	Data and Information Management
MIS	3070	IT Infrastructure
MIS	4000	Enterprise Architecture

Plus one appropriate upper-division business elective

Marketing Concentration

This concentration is for those who want a broad exposure to the fundamentals of marketing. The concentration prepares practitioners and managers through exposure to the many facets of marketing: development, advertising, distribution, sales, or products and services. Students will gain an understanding of research, planning, analysis, communication, business relations, and decision-making techniques, and applications are presented. Problems, issues, and alternative solutions involving product strategy, pricing, distribution, promotion, and marketing research will be discussed, both from a national and international perspective. In general, marketing principles will be applied to multinational and international business practices. Retailing and management of the marketing function will also be studied.

MKTG	3100	Consumer Behavior
MKTG	3110	Market Research
MKTG	3420	International Marketing
MKTG	3630	Global Distribution and Supply Chain Marketing
MKTG	4400	Marketing Management

Plus any two appropriate marketing electives

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

COLLEGE OF HEALTH AND SOCIETY



BACHELOR OF SCIENCE IN NURSING

Total Credits Required: 120 Credits

The Bachelor of Science in Nursing (BSN) degree is conferred upon students who satisfactorily complete the General Education requirements and the prescribed curriculum. To earn this degree, a student must complete a minimum of 120 credit hours and meet all the requirements of the nursing major (60 credit hours) with at least a 2.75 cumulative nursing grade point average and an overall HPU cumulative grade point average of 2.75 or higher.

The Nursing Program is approved by the Hawai'i Board of Nursing and is accredited by the Commission on Collegiate Nursing Education (CCNE).

PROGRAM LEARNING OUTCOMES

The BSN graduate will:

1. **Patient-centered Care:** *Demonstrate patient-centered nursing practice across the lifespan.*
2. **Teamwork and Collaboration:** *Collaborate and communicate effectively with other professionals and interdisciplinary teams to improve healthcare outcomes.*
3. **Evidence-based Practice:** *Integrate evidence to guide clinical practice and evaluate outcomes of care.*
4. **Quality Improvement:** *Use quality improvement measures to evaluate the effect of change on the delivery of patient-centered care and patient outcomes.*
5. **Healthcare Informatics:** *Use evidence-based information and patient care technology to assist in the provision of safe, quality, patient-centered care.*
6. **Safety:** *Evaluate effectiveness of strategies used to reduce the risk of harm to patients, self, and others in healthcare, home, and community settings.*
7. **Professionalism:** *Practice nursing care by incorporating legal and ethical decision making, utilizing current standards of practice.*
8. **Leadership:** *Integrate leadership and communication skills into practice within diverse settings.*

GENERAL PREREQUISITES

Minimum course requirements to be considered for admission to NUR 2000 level courses:

- Completion of all prerequisite courses
- 3.0 cumulative GPA in all college courses taken
- 3.0 cumulative GPA in all science and math prerequisite course

Other requirements to be considered for admission to the nursing program:

- Completed application by set deadline date
- A score of 70% or higher on the Test of Essential Academic Skills (TEAS)
- Two professional letters of support
- A personal statement

See the BSN webpage for full description of admission procedures. The nursing program is highly competitive. Meeting minimum criteria for admission does not guarantee acceptance to the program.

General notes about the BSN program:

- All nursing students must achieve a final course grade of C (73%) in each nursing course. Failure to achieve a grade of C or better in a nursing course will prevent the student from continuing to the next sequential nursing course.
- *Two* nursing courses with deficient grades (final course grade of C-, D+, D, or F) in the nursing program will lead to final dismissal from the nursing program, but not the university.
- Nursing students are expected to maintain a minimum HPU GPA of 2.75 and NUR GPA of 2.75 throughout their course of study.
- Nursing clinical courses require that students travel for clinical experiences throughout O'ahu. Each student must have a reliable source of transportation to clinical sites.

- If an “Unacceptable Practice” investigation is in progress and/or if a student receives an “Unacceptable Practice” citation in a nursing course, the student may not withdraw from the course. Students will need to have a clearance (signature on the withdrawal form) from the dean of nursing or designee in order to withdraw from nursing courses.
- Admission to the program requires that students meet specific clinical health requirements. See the BSN webpage for current clinical health requirements.

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (12 CREDITS)

CHEM	1000	Introduction to Chemistry (<i>The Natural World</i>)
MATH	1123	Statistics (Quantitative Analysis & Symbolic Reasoning)
WRI	1100	Analyzing and Writing Arguments or WRI 1150 Literature and Argument (<i>Written Communication and Information Literacy I</i>)
WRI	1200	Research, Argument, and Writing or WRI 1250 Introduction to Research in the Humanities (<i>Written Communication and Information Literacy II</i>)

LOWER-DIVISION PREREQUISITE COURSES (15 CREDITS)

BIOL	2030	Anatomy and Physiology I
BIOL	2031	Anatomy and Physiology I Laboratory
BIOL	2032	Anatomy and Physiology II
BIOL	2033	Anatomy and Physiology II Laboratory
BIOL	2040	Microbes and Human Health
BIOL	2041	Microbes and Human Health Laboratory
CHEM	2030	Introduction to Organic Chemistry and Biochemistry

MAJOR ELECTIVES (6 CREDITS)

One course from the following:

COM	1000	Introduction to Communication or
PSY	1000	Introduction to Psychology or
SOC	1000	Introduction to Sociology
And		

One course from the following:

BIOL	1300	Nutrition: Eat Smarter or
PHIL	2500	Ethics in America or
PSY	3400	Lifespan Development

LEVEL I SEMESTER ONE NURSING REQUIREMENTS (15 CREDITS)

NUR	2710	Pathopharmacology
NUR	2720	Foundations of Professional Nursing
NUR	2721	Foundations of Professional Nursing Clinical/Lab
NUR	2730	Health Assessment and Promotion
NUR	2731	Health Assessment and Promotion Lab

LEVEL I SEMESTER TWO NURSING REQUIREMENTS (15 CREDITS)

NUR	3710	Evidence-Based Practice and Research
NUR	3720	Comprehensive Nursing Care I
NUR	3721	Comprehensive Nursing Care I Clinical/Lab
NUR	3730	Mental Health Nursing
NUR	3731	Mental Health Nursing Clinical/Lab

LEVEL II SEMESTER THREE NURSING REQUIREMENTS (14 CREDITS)

NUR	3740	Comprehensive Nursing Care II
NUR	3741	Comprehensive Nursing Care II Clinical/Lab
NUR	3750	Child and Family Health
NUR	3751	Child and Family Health Clinical/Lab

NUR	3760	Maternal-Newborn Nursing
NUR	3761	Maternal-Newborn Nursing Clinical/Lab

LEVEL II SEMESTER FOUR NURSING REQUIREMENTS (16 CREDITS)

NUR	4710	Gerontology
NUR	4770	Comprehensive Nursing Care III
NUR	4771	Comprehensive Nursing Care III Clinical/Lab
NUR	4780	Community Health Nursing
NUR	4781	Community Health Nursing Clinical/Lab

UNRESTRICTED ELECTIVE (3 CREDITS)

Recommended Inter-professional (IP) courses:

PH	1100	Introduction to Human Sexuality
PH	2010	Drugs and Society
PH	3015	Culture and Health
PH	3025	Sexuality in Health and Society (also offered as SWRK 3025)
SOC	2000	Social Problems and Policy
SWRK	2010	Social Sustainability, Social Work and Social Entrepreneurship

NURSING PATHWAYS

RN TO BSN PATHWAY

Students who are Registered Nurses with an associate degree are eligible for this pathway. The Bachelor of Science in Nursing degree is conferred upon students who satisfactorily complete the General Education requirements and the prescribed curriculum. To earn this degree, a student must complete a minimum of 120 credit hours and meet all the requirements of the nursing major (60 credit hours) with at least a 2.75 cumulative nursing grade point average and an overall HPU cumulative grade point average of 2.75 or higher. The Nursing Program is approved by the Hawai'i Board of Nursing and is accredited by the Commission on Collegiate Nursing Education (CCNE).

General notes about the BSN program

- All nursing students must achieve a final course grade of C (73%) in each nursing course. Failure to achieve a grade of C or better in a nursing course will prevent the student from continuing to the next sequential nursing course.
- *Two* nursing courses with deficient grades (final course grade of C-, D+, D, or F) in the nursing program will lead to final dismissal from the nursing program, but not the university.
- Nursing students are expected to maintain a minimum HPU GPA of 2.75 and NUR GPA of 2.75 throughout their course of study.
- Nursing clinical courses require that students travel for clinical experiences throughout O'ahu. Each student must have a reliable source of transportation to clinical sites.
- If an "Unacceptable Practice" investigation is in progress and/or if a student receives an "Unacceptable Practice" citation in a Nursing course, the student may not withdraw from the course. Students will need to have a clearance (signature on the withdrawal form) from the dean of nursing or designee in order to withdraw from nursing courses.
- Admission to the program requires that students meet specific clinical health requirements. See the BSN webpage for current clinical health requirements
- The Nursing program is highly competitive. Meeting minimum criteria for admission does not guarantee acceptance to the program. See the BSN webpage and BSN Handbook for full description of admission procedures and other policies.

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION PREREQUISITE COURSES (12 CREDITS)

CHEM	1000	Introduction to Chemistry (<i>The Natural World</i>)
MATH	1123	Statistics (<i>Quantitative Analysis and Symbolic Reasoning</i>)
WRI	1100	Analyzing and Writing Arguments or WRI 1150 Literature and Argument (<i>Written Expression and Information Literacy I</i>)
WRI	1200	Research, Argument, and Writing or WRI 1250 Introduction to Research in the Humanities (<i>Written Expression and Information Literacy II</i>)

LOWER-DIVISION PREREQUISITE COURSES (15 CREDITS)

BIOL	2030	Anatomy and Physiology I
BIOL	2031	Anatomy and Physiology I Laboratory
BIOL	2032	Anatomy and Physiology II
BIOL	2033	Anatomy and Physiology II Laboratory
BIOL	2040	Microbes and Human Health
BIOL	2041	Microbes and Human Health Laboratory
CHEM	2030	Introduction to Organic Chemistry and Biochemistry

MAJOR ELECTIVES (6 CREDITS)

One course from the following:

COM	1000	Introduction to Communication or
PSY	1000	Introduction to Psychology or
SOC	1000	Introduction to Sociology

And

One course from the following:

BIOL	1300	Nutrition: Eat Smarter or
PHIL	2500	Ethics in America or
PSY	3400	Lifespan Development

Upon admission the RN will receive 28 HPU transfer credits for successful completion of an accredited RN program:

NUR	2720	Foundations of Professional Nursing
NUR	2721	Foundations of Professional Nursing Clinical/Lab
NUR	3720	Comprehensive Nursing Care I
NUR	3721	Comprehensive Nursing Care Clinical/Lab I
NUR	3730	Mental Health Nursing
NUR	3731	Mental Health Nursing Clinical/Lab
NUR	3740	Comprehensive Nursing Care II
NUR	3741	Comprehensive Nursing Care II Clinical/Lab
NUR	3750	Child and Family Health
NUR	3751	Child and Family Health Clinical/Lab
NUR	3760	Maternal-Newborn Nursing
NUR	3761	Maternal-Newborn Nursing Clinical/Lab

SEMESTER ONE REQUIREMENTS (16 CREDITS)

NUR	2710	Pathopharmacology
NUR	2730	Health Assessment and Promotion
NUR	2731	Health Assessment and Promotion Lab
NUR	2740	Transition to Baccalaureate Nursing Practice
NUR	2741	Transition to Baccalaureate Nursing Practice Lab
NUR	3710	Evidence-Based Practice and Research

SEMESTER TWO REQUIREMENTS (16 CREDITS)

NUR	4710	Gerontology
NUR	4770	Comprehensive Nursing Care III
NUR	4771	Comprehensive Nursing Care III Clinical/Lab
NUR	4780	Community Health Nursing
NUR	4781	Community Health Nursing Clinical/Lab

UNRESTRICTED ELECTIVE (3 CREDITS)

Recommended Inter-professional (IP) courses:

PH	1100	Introduction to Human Sexuality
PH	2010	Drugs and Society
PH	3015	Culture and Health
PH	3025	Sexuality in Health and Society (also offered as SWRK 3025)
SOC	2000	Social Problems and Policy
SWRK	2010	Social Sustainability, Social Work and Social Entrepreneurship

LVN/LPN TO BSN PATHWAY

Students who are Licensed Practical Nurses are eligible for this pathway. The Bachelor of Science in Nursing degree is conferred upon students who satisfactorily complete the General Education requirements, nursing prerequisites, and the prescribed curriculum. To earn this degree, a student must complete a minimum of 120 credit hours and meet all the requirements of the nursing major (60 credit hours) with at least a 2.75 cumulative nursing grade point average and an overall HPU cumulative grade point average of 2.75 or higher. The Nursing Program is approved by the Hawai'i Board of Nursing and is accredited by the Commission on Collegiate Nursing Education (CCNE).

General notes about the BSN program:

- All nursing students must achieve a final course grade of C (73%) in each nursing course. Failure to achieve a grade of C or better in a nursing course will prevent the student from continuing to the next sequential nursing course.
- *Two* nursing courses with deficient grades (final course grade of C-, D+, D, or F) in the

nursing program will lead to final dismissal from the nursing program, but not the university.

- Nursing students are expected to maintain a minimum HPU GPA of 2.75 and NUR GPA of 2.75 throughout their course of study.
- Nursing clinical courses require that students travel for clinical experiences throughout Oahu. Each student must have a reliable source of transportation to clinical sites.
- If an “Unacceptable Practice” investigation is in progress and/or if a student receives an “Unacceptable Practice” citation in a nursing course, the student may not withdraw from the course. Students will need to have a clearance (signature on the withdrawal form) from the dean of nursing or designee in order to withdraw from nursing courses.
- Admission to the program requires that students meet specific clinical health requirements. See the BSN webpage for current clinical health requirements.
- The nursing program is highly competitive. Meeting minimum criteria for admission does not guarantee acceptance to the program. See the BSN webpage and BSN Handbook for full description of admission procedures and other policies.

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION PREREQUISITE COURSES (12 CREDITS)

CHEM	1000	Introduction to Chemistry (<i>The Natural World</i>)
MATH	1123	Statistics (<i>Quantitative Reasoning & Symbolic Reasoning</i>)
WRI	1100	Analyzing and Writing Arguments or WRI 1150 Literature and Argument (<i>Written Expression and Information Literacy I</i>)
WRI	1200	Research, Argument, and Writing or WRI 1250 Introduction to Research in the Humanities (<i>Written Expression and Information Literacy II</i>)

LOWER-DIVISION PREREQUISITE COURSES (15 CREDITS)

BIOL	2030	Anatomy and Physiology I
BIOL	2031	Anatomy and Physiology I Laboratory
BIOL	2032	Anatomy and Physiology II
BIOL	2033	Anatomy and Physiology II Laboratory
BIOL	2040	Microbes and Human Health
BIOL	2041	Microbes and Human Health Laboratory
CHEM	2030	Introduction to Organic Chemistry and Biochemistry

MAJOR ELECTIVES (6 CREDITS)

One course from the following:

COM	1000	Introduction to Communication or
PSY	1000	Introduction to Psychology or
SOC	1000	Introduction to Sociology

And

One course from the following:

BIOL	1300	Nutrition: Eat Smarter or
PHIL	2500	Ethics in America or
PSY	3400	Lifespan Development

Upon admission the LPN/LVN will receive 16 HPU transfer credits for successful completion of an accredited LPN/LVN program:

NUR	2720	Foundations of Professional Nursing
NUR	2721	Foundations of Professional Nursing Clinical/Lab
NUR	3720	Comprehensive Nursing Care I
NUR	3721	Comprehensive Nursing Care Clinical/Lab I
NUR	3740	Comprehensive Nursing Care II
NUR	3741	Comprehensive Nursing Care II Clinical/Lab

SEMESTER ONE REQUIREMENTS (16 CREDITS)

NUR	2710	Pathopharmacology	4
NUR	2740	Transition to Baccalaureate Nursing Practice	3

NUR	2741	Transition to Baccalaureate Nursing Practice Lab	1
NUR	2730	Health Assessment and Promotion	3
NUR	2731	Health Assessment and Promotion Lab	2
NUR	3710	Evidence-Based Practice and Research	3

SEMESTER TWO REQUIREMENTS (12 CREDITS)

NUR	3730	Mental Health Nursing	3
NUR	3731	Mental Health Nursing Clinical/Lab	2
NUR	3750	Child and Family Health	3
NUR	3751	Child and Family Health Clinical/Lab	1
NUR	3760	Maternal-Newborn Nursing	2
NUR	3761	Maternal-Newborn Nursing Clinical/Lab	1

SEMESTER THREE REQUIREMENTS (16 CREDITS)

NUR	4710	Gerontology	3
NUR	4770	Comprehensive Nursing Care III	3
NUR	4771	Comprehensive Nursing Care III Clinical/Lab	4
NUR	4780	Community Health Nursing	3
NUR	4781	Community Health Nursing Clinical/Lab	3

UNRESTRICTED ELECTIVE (3 CREDITS)

Recommended Inter-professional (IP) courses:

PH	1100	Introduction to Human Sexuality	
PH	2010	Drugs and Society	
PH	3015	Culture and Health	
PH	3025	Sexuality in Health and Society (also offered as SWRK 3025)	
SOC	2000	Social Problems and Policy	
SWRK	2010	Social Sustainability, Social Work and Social Entrepreneurship	

MILITARY HOSPITAL CORPSMAN (HM) TO BSN PATHWAY

Students who are Military Hospital Corpsman (HM) are eligible for the pathway. The Bachelor of Science in Nursing degree is conferred upon students who satisfactorily complete the General Education requirements, nursing prerequisites, and the prescribed curriculum. To earn this degree, a student must complete a minimum of 120 credit hours and meet all the requirements of the nursing major (60 credit hours) with at least a 2.75 cumulative nursing grade point average and an overall HPU cumulative grade point average of 2.75 or higher. The Nursing Program is approved by the Hawai'i Board of Nursing and is accredited by the Commission on Collegiate Nursing Education (CCNE).

General notes about the BSN program:

- All nursing students must achieve a final course grade of C (73%) in each nursing course. Failure to achieve a grade of C or better in a nursing course will prevent the student from continuing to the next sequential nursing course.
- *Two* nursing courses with deficient grades (final course grade of C-, D+, D, or F) in the nursing program will lead to final dismissal from the nursing program, but not the university.
- Nursing students are expected to maintain a minimum HPU GPA of 2.75 and NUR GPA of 2.75 throughout their course of study.
- Nursing clinical courses require that students travel for clinical experiences throughout Oahu. Each student must have a reliable source of transportation to clinical sites.
- If an "Unacceptable Practice" investigation is in progress and/or if a student receives an "Unacceptable Practice" citation in a nursing course, the student may not withdraw from the course. Students will need to have a clearance (signature on the withdrawal form) from the dean of nursing or designee in order to withdraw from nursing courses.
- Admission to the program requires that students meet specific clinical health requirements. See the BSN webpage for current clinical health requirements.

- The nursing program is highly competitive. Meeting minimum criteria for admission does not guarantee acceptance to the program. See the BSN webpage and BSN Handbook for full description of admission procedures and other policies.

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION PREREQUISITE COURSES (12 CREDITS)

CHEM	1000	Introduction to Chemistry (<i>The Natural World</i>)
MATH	1123	Statistics (<i>Quantitative Analysis & Symbolic Reasoning</i>)
WRI	1100	Analyzing and Writing Arguments or WRI 1150 Literature and Argument (<i>Written Expression and Information Literacy I</i>)
WRI	1200	Research, Argument, and Writing or WRI 1250 Introduction to Research in the Humanities (<i>Written Expression and Information Literacy II</i>)

LOWER-DIVISION PREREQUISITE COURSES (15 CREDITS)

BIOL	2030	Anatomy and Physiology I
BIOL	2031	Anatomy and Physiology I Laboratory
BIOL	2032	Anatomy and Physiology II
BIOL	2033	Anatomy and Physiology II Laboratory
BIOL	2040	Microbes and Human Health
BIOL	2041	Microbes and Human Health Laboratory
CHEM	2030	Introduction to Organic Chemistry and Biochemistry

MAJOR ELECTIVES (6 CREDITS)

One course from the following:

COM	1000	Introduction to Communication or
PSY	1000	Introduction to Psychology or
SOC	1000	Introduction to Sociology

And

One course from the following:

BIOL	1300	Nutrition: Eat Smarter or
PHIL	2500	Ethics in America or
PSY	3400	Lifespan Development

Upon admission the HM will receive 16 HPU transfer credits for successful completion of an accredited Military Hospital Corpsman (HM) program:

NUR	2720	Foundations of Professional Nursing
NUR	2721	Foundations of Professional Nursing Clinical/Lab
NUR	3720	Comprehensive Nursing Care I
NUR	3721	Comprehensive Nursing Care I Clinical/Lab
NUR	3740	Comprehensive Nursing Care II
NUR	3741	Comprehensive Nursing Care II Clinical/Lab

SEMESTER ONE REQUIREMENTS (16 CREDITS)

NUR	2710	Pathopharmacology	4
NUR	2740	Transition to Baccalaureate Nursing Practice	3
NUR	2741	Transition to Baccalaureate Nursing Practice Lab	1
NUR	2730	Health Assessment and Promotion	3
NUR	2731	Health Assessment and Promotion Lab	2
NUR	3710	Evidence-Based Practice and Research	3

SEMESTER TWO REQUIREMENTS (12 CREDITS)

NUR	3730	Mental Health Nursing	3
NUR	3731	Mental Health Nursing Clinical/Lab	2
NUR	3750	Child and Family Health	3
NUR	3751	Child and Family Health Clinical/Lab	1
NUR	3760	Maternal-Newborn Nursing	2

NUR	3761	Maternal-Newborn Nursing Clinical/Lab	1
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SEMESTER THREE REQUIREMENTS (16 CREDITS)

NUR	4710	Gerontology	3
NUR	4770	Comprehensive Nursing Care III	3
NUR	4771	Comprehensive Nursing Care III Clinical/Lab	4
NUR	4780	Community Health Nursing	3
NUR	4781	Community Health Nursing Clinical/Lab	3

UNRESTRICTED ELECTIVE (3 CREDITS)

Recommended Inter-professional (IP) courses:

PH	1100	Introduction to Human Sexuality	
PH	2010	Drugs and Society	
PH	3015	Culture and Health	
PH	3025	Sexuality in Health and Society (also offered as SWRK 3025)	
SOC	2000	Social Problems and Policy	
SWRK	2010	Social Sustainability, Social Work and Social Entrepreneurship	

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Total Credits Required: 120 Credits

The Public Health program provides graduates with the knowledge and essential skills necessary to become active members of the public health workforce. The curriculum provides a strong base for anyone wishing to pursue a career in public health or move forward onto graduate school. Core courses require students to explore the history of the public health, ethics, human physiology, human disease, community health, drugs and society, healthcare systems, culture and health, epidemiology, health policy, health education program planning and evaluation, health promotion and wellness management, research methods, international health, and environmental health. Three semesters of public health practicum courses have hands-on learning opportunities in real-world settings, wherein students apply what they have learned from the classrooms and on-campus laboratories, under the mentorship of experienced public health professionals from established off-campus health organizations. The overall goal of the program is to prepare students for public health careers and to reinforce a desire for lifelong learning and humanitarian service to our local and global communities.

PROGRAM OBJECTIVES

Students who major in Public Health will:

1. *Integrate knowledge from General Education courses and biological, physical, social and health sciences to synthesize skills in computing, speaking, writing and analysis, research, and critical thinking in daily tasks and activities related to public health practices.*
2. *Apply acquired knowledge and communication skills to work effectively individually and in teams toward accomplishing goals in public health.*
3. *Apply knowledge of public health issues and cultural competency and the impact of cultural values and ethnicity on understanding health and illness, wellness management, and the utilization of public health services to improve population health.*
4. *Analyze current federal and state health legislation, regulations, and standards, and their effect on public health professional practice.*
5. *Evaluate population-based data and patterns of morbidity and mortality using epidemiological methods.*
6. *Analyze health-related theories that drive health-behavior change interventions and programs.*
7. *Utilize scientific research methods to evaluate efficacy of health promotion, wellness management and disease prevention programs.*

FOUNDATIONAL COURSES (0 - 11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

WRI	1100	Writing & Analyzing Arguments (<i>Written Expression and Information Literacy I</i>)
WRI	1200	Research, Argument, and Writing (<i>Written Expression and Information Literacy II</i>)
MATH	1123	Statistics (<i>Quantitative Analysis and Symbolic Reasoning</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (27 CREDITS)

BIOL	2030	Anatomy and Physiology
BIOL	2032	Anatomy and Physiology II
BIOL	2040	Microbes and Human Health
PH	1000	Introduction to Personal and Community Health
PH	1200	History of Public Health
PH	1300	Public Health and Ethics
PH	2010	Drugs and Society
PH	2020	Human Disease
PH	2060	Comparative Healthcare Systems

UPPER-DIVISION REQUIREMENTS (39 CREDITS)

PH	3001	Research, Evaluation, and Planning for Health Science
PH	3015	Culture and Health
PH	3020	Epidemiology
PH	3025	Sexuality in Health and Society
PH	3030	Health Behavior Theory and Program Planning
PH	3050	Global Health
PH	3090	Public Health Communication
PH	3999	Special Topics in Public Health
PH	4000	Environmental Health
PH	4010	Health Policy Analysis
PH	4030	Practicum I
PH	4910	Practicum II
PH	4920	Public Health Capstone Seminar

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SOCIAL WORK

Total Credits Required: 120 Credits

The mission of Hawai'i Pacific University's Bachelor Degree in Social Work is to prepare appropriate undergraduate students, especially working adults, for entry into the competent, effective generalist practice of social work at the beginning level. Hawai'i Pacific University's social work students should unashamedly want to "make the world a better place" through caring and professional practice. They should appreciate that social work's heritage, commitment, values, and methods offer one means of doing this.

PROGRAM GOALS

1. Student demonstrates ethical and professional behavior.
2. Student engages diversity and difference practice.
3. Student advances human rights and social, economic, and environmental justice.
4. Student engages in practice-informed research and research-informed practice.
5. Student engages in policy practice.
6. Student engages with individuals, families, groups, organizations, and communities.
7. Student assesses individuals, families, groups, organizations, and communities.
8. Student intervenes with individuals, families, groups, organizations, and communities.
9. Student evaluates practice with individuals, families, groups, organizations, and communities.

FOUNDATIONAL COURSES (0 TO 11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

PSY	1000	Introduction to <i>Psychology (Critical Thinking & Expression)</i>
PSCI	1400	American Political System (<i>The American Experience</i>)
SWRK	2010	Social Sustainability, Social Work and Social Entrepreneurship (<i>The Sustainable World</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (9 CREDITS)

MATH	1123	Statistics
SOC	1000	Introduction to Sociology
SOC	2000	Social Problems and Policy

UPPER-DIVISION REQUIREMENTS (45 CREDITS)

INTR	3500	Global Systems and Development
PSY	3235	Cross-cultural Psychology or SOC 3380 Cross-Cultural Relations
SWRK	3000	Methods of Social Work I
SWRK	3003	Human Behavior in the Social Environment I
SWRK	3005	Human Behavior in the Social Environment II
SWRK	3010	Methods of Social Work II
SWRK	3300	Research and Writing in Social Work
SWRK	3570	American Social Welfare Policy
SWRK	3700	Special Topics in Social Work—students are required to take one special topics course. Topics will change each semester. Students can repeat for credits up to 6 credits
SWRK	3900	Social Work Practicum I
SWRK	4000	Methods of Social Work III
SWRK	4010	Methods of Social Work IV
SWRK	4900	Social Work Practicum II
SWRK	4910	Social Work Practicum III
SWRK	4960	Social Work Capstone

UPPER-DIVISION ELECTIVE REQUIREMENTS (3 CREDITS)

Social Work students are required to select, in conjunction with their Social Work advisor, 3 credits outside the Department of Social Work which further their Social Work degree plans.

Choose one 3-credit course from the following list. Courses outside this list are eligible with approval of the program director.

ANTH	3600	Poverty and Culture
CJ	3520	Drug Abuse and Justice
CJ	3530	Juvenile Deviancy and Justice
PHIL	4500	Global Justice
PSCI	3200	Public Administration
PSY	3140	Psychology of Substance Abuse
PSY	3700	Personality

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

COLLEGE OF LIBERAL ARTS



BACHELOR OF ARTS
MAJOR: COMMUNICATION STUDIES

Total Credits Required: 120 Credits

The Communication Studies major at Hawai'i Pacific University is a comprehensive program of study that develops the skills and confidence necessary to present ideas in various formats in a variety of situations. An emphasis on effective communication techniques, media technology, and culture is built on a foundation of communication theory and research.

PROGRAM OBJECTIVES

Students who major in Communication Studies will:

1. *Demonstrate oral communication competency.*
2. *Understand and apply rhetorical theory to communication purposes.*
3. *Evaluate and critique examples of communication.*
4. *Adjust communication content and delivery to a diversity of contexts.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSE (3 CREDITS)

COM 1000 Introduction to Communication Skills (*Critical Thinking and Expression*)

LOWER-DIVISION MAJOR REQUIREMENTS (12 CREDITS)

COM 2000 Public Speaking
MC 2200 First Amendment and Intellectual Property Law

Two courses from:

COM 2300 Communication and Culture
COM 2500 Sex, Gender, and Communication
COM 2640 Argumentation and Debate

UPPER-DIVISION MAJOR REQUIREMENTS (33 CREDITS)

Take all of the following:

COM 3000 Mass Media
COM 3250 Communication Research
COM 3300 Intercultural Communication
COM 3320 Persuasion
COM 3780 Media Convergence
COM 3950 Communication Practicum

Advanced Applications—*One course chosen from:*

COM 3440 Advanced Public Speaking
COM 3641 Advanced Forensics

Theory – *One course chosen from:*

COM 3680 Rhetorical Theory
COM 3900 Communication Theory

Restricted Elective Requirements—*Take two of the following:*

COM 3200 Interpersonal Communication
COM 3260 Film as Communication
COM 3270 Film Genre
COM 3340 Nonverbal Communication
COM 3350 Team Building
COM 3400 Communicating Professionally
COM 3420 Business Communication

Required Capstone

COM 4900 Communication Seminar

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: EAST-WEST HUMANITIES

Total Credits Required: 120 Credits

The major in “East-West Humanities” is a truly interdisciplinary and integrative major that examines human expression, thought, and creativity across time and space. Students have the opportunity to bring together courses from a variety of disciplines and connect them under an overarching theme. The major, organized around a core of courses in which students examine classical works, major ideas, and cultural expressions from western, Asian, and indigenous traditions, employs a comparative perspective to the study of the arts and the traditional humanities. In these courses, and especially as part of their capstone experience, students will engage critically with conventional notions of “East-West” and reimagine it not as a polarity but as a spectrum.

Students majoring in East-West Humanities design their own major based on selected classes that focus on the East-West theme. In conjunction with a faculty mentor, they will develop an individualized program of study that explores a specific theme or area of concentration, depending on their area of interest. For example, a student with an interest in Japanese culture might select courses on the literature, arts, theatre, philosophy, and religion of that region; one with a passion for theatre could combine courses on classical drama and Shakespeare with acting and directing courses. In a final capstone course during the senior year, students complete an integrative project which connects their leaning about their chosen theme across a variety of disciplines.

Students who graduate from the program will find that their major has given them a solid liberal arts foundation, offering them a wide array of career options and the flexibility to adapt to a rapidly changing world. They will be well prepared to work in a wide variety of fields or to pursue professional degrees in professions such as law, education, and business or to pursue specialized graduate study in a specific discipline. More importantly, they will be well positioned to become lifelong learners and to appreciate the many expressions of human thought and creative expression throughout the world.

PROGRAM OBJECTIVES

1. **Specialized Knowledge:** *Develop familiarity with prominent features of the literature, art, philosophies, and religions of the world.*
2. **Broad, Integrative Knowledge and Intellectual Skills:** *Articulate core values, world views, ideals, and forms of artistic expression associated with the human experience and place them within their cultural and historical contexts.*
3. **Applied Learning and Intellectual Skills:** *Demonstrate higher-level writing competencies through the composition of interpretive essays and research papers.*
4. **Civic Learning:** *Cultivate moral reasoning, along with an awareness of the ethical sensibilities of diverse peoples as presented in their literary, artistic, philosophical, and/or religious works.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

CLST 1000 Great Books, East and West (*Traditions & Movements that Shape the World*)

Arts (3 credits)—Choose one of the following:

ARTS 1000 Introduction to Visual Art (*Creative Arts*)

ARTS 1003 Sustainable Art & Design (*Creative Arts*)

ARTS 2150 Introduction to Design (*Creative Arts*)

MUS 1000 Introduction to Classical Music (*Creative Arts*)

MUS 2101 Music in World Culture (*Creative Arts*)

THEA 2320 Acting I: Basic Acting for Stage and Screen (*Creative Arts*)

History & Literature (3 credits)—Choose one of the following:

ENG	1101	Representations of Pacific Life (<i>Hawai'i & the Pacific</i>)
ENG	2500	World Literature (<i>Traditions & Movements that Shape the World</i>)
HIST	1001	Traditions & Encounters: World Cultures to 1500 (<i>Traditions & Movements that Shape the World</i>)
HIST	1002	Global Crossroads: 1500–Present (<i>Global Crossroads & Diversification</i>)
HIST	1558	Living History of Hawai'i (<i>Hawai'i & the Pacific</i>)
HIST	1717	Reacting to the Past

LOWER-DIVISION MAJOR REQUIREMENTS (6 CREDITS)

Art History, Philosophy, and Religious Studies—Choose two of the following (must be from different alphas):

ARTH	1001	Art of Oceania
ARTH	2301	Topics in World Art History
PHIL	1000	Introduction to World Philosophies
PHIL	1001	Philosophies of Hawai'i and the Pacific
PHIL	2500	Ethics in America
REL	1000	Introduction to World Religions

LOWER-DIVISION LANGUAGE REQUIREMENTS (8 CREDITS)

Two semesters of the same language, or demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION MAJOR REQUIREMENTS (33 CREDITS)

HUM	3900	Research and Writing in the Humanities
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One of the following courses with a Western focus:

ARTH	3206	Renaissance to Modern Art
CLST	3030	Ancient Drama
CLST	3100	Female Figures in Classical Myth, Literature, and Religion
PHIL	3200	History of Western Philosophy
REL	3151	Bible as Literature
REL	3152	Understanding Early Christian Literature
REL	3200	Abrahamic Traditions
REL	3700	Female Figures in the Bible

One of the following courses with an Asian focus:

ARTH	3301	Art of China
ARTH	3321	Art of Japan
ARTH	3351	Art of India and South East Asia
ENG	3135	Japanese Literature
ENG	3222	Asian Dramatic Literature
ENG	3223	Special Topics in Asian Literature
HIST	3326	Cultural History of Japan
HIST	3352	History of Modern Southeast Asia
HIST	3362	History of India
PHIL	3300	History of Asian Philosophies
PHIL	3301	Yoga Philosophy
REL	3310	Asian Traditions

One of the following courses with a focus on indigenous cultures:

ANTH	3500	Appreciating Pacific Worlds
ANTH	3556	Hawaiian Archaeology
ARTH	3551	Art of the Pacific
ARTH	3552	Art of Polynesia
ARTH	3556	Art of Hawai'i
HIST	3556	History of Hawai'i
REL	3500	Indigenous Traditions

One of the following courses with a comparative focus:

ARTH	3611	Art and the Human Body
HUM	3601	Mythology
MUS	3100	Theatre Music of the World
PHIL	3501	Philosophy of Art and Aesthetics
PHIL	3651	Environmental Ethics
PHIL	4500	Global Justice
REL	3000	Religion, Sacrifice, and Violence
REL	3600	War in World Religions

CONCENTRATION COURSES (15 CREDITS)

Choose five (5) additional upper-division courses organized around a common theme in conjunction with a faculty mentor. At least three (3) of these courses should be from the arts and humanities disciplines (ARTH, CLST, ENG, HIST, HUM, MUS, PHIL, REL or THEA).

CAPSTONE SEMINAR

HUM	4900	Interdisciplinary Seminar and Integrative Project
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UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: ENGLISH
Total Credits Required: 120 Credits

English majors study poetry, novels, films, plays, short stories, sit-coms, and songs—all the oral, written, and visual texts through which humans express meaning. English majors develop their creativity, their oral and written communication skills, and their powers of persuasion and critical thinking, preparing themselves for careers in fields such as business, law, education, professional and technical writing, journalism, advertising, and publishing. The English department is often approached by prospective students and their families who ask, “What can you do with an English degree?” A better question might be, “What can’t you do with an English degree?” In terms of future careers, students are only limited by their own imaginations. Writing, research, and critical thinking skills are essential to high-level work in almost every business or institution. This is good news for HPU English majors and writing minors.

PROGRAM OBJECTIVES

Students who major in English will:

1. *Demonstrate transferable analytical skills such as the ability to summarize, interpret, and evaluate complex texts.*
2. *Demonstrate transferable communication skills such as writing clearly and persuasively, revising and editing their own and others’ writing, and making effective oral presentations.*
3. *Employ appropriate research methods to locate and evaluate information and will effectively present their own arguments with support from primary and secondary texts.*
4. *Recognize and analyze various textual forms and strategies in academic and creative genres.*
5. *Employ various textual strategies in academic and creative genres.*
6. *Examine the ways in which texts shape and/or are shaped by history, culture, and context.*
7. *Respond to and analyze diverse texts from various cultures.*
8. *Articulate or identify important theoretical concepts and approaches and apply them in interpreting or analyzing texts.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

AL	2000	Introduction to Linguistics (<i>Global Crossroads & Diversification</i>)
ENG	2100	Reading Literature, Film, and Culture (<i>Critical Thinking & Expression</i>)
ENG	2500	World Literature (<i>Traditions & Movements that Shape the World</i>)

LOWER-DIVISION LANGUAGE REQUIREMENTS (8 CREDITS)

Two semesters of the same language, or demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION MAJOR REQUIREMENTS (40 CREDITS)

Upper-Division Foundation Courses (6 credits)—Choose two courses from the following:

ENG	3100	British Literature to 1800
ENG	3102	British Literature After 1800
ENG	3122	American Literature
ENG	3130	Topics in World Literature

English Electives (12 credits)—Choose four courses from the following:

ENG	3101	Shakespeare on Screen
ENG	3135	Japanese Literature
ENG	3140	Biography
ENG	3145	Nonfiction Film: Documentary, Docudrama, and Historical Film
ENG	3150	Television Studies

ENG	3202	Literature of Slavery
ENG	3206	British Comic Literature
ENG	3223	Special Topics in Asian Literature
ENG	3224	Ethnic Literature
ENG	3226	Special Topics in Hawai'i-Pacific Literature
ENG	3227	Hawai'i and the Pacific in Film
ENG	3228	Fantasy Literature
ENG	3250	Texts and Gender
ENG	3251	Sex, Power, and Narrative
ENG	3252	20th Century Women Writers of Color
ENG	3300	Theoretical Perspectives
ENG	3330	Film Theory and Criticism
ENG	3350	Literature Adapted to Screen

Writing Electives (6 credits)—Choose a combination of courses to total six credits from the following:

WRI	3310	Poetry Workshop
WRI	3311	Childhood and Poetry Workshop
WRI	3313	The Sacred and Erotic in Lyric Poetry
WRI	3320	Scriptwriting
WRI	3330	Fiction Writing
WRI	3340	Creative Nonfiction Writing Workshop
WRI	3391	Wanderlust: Student Literary Magazine
WRI	3510	Composition Studies
WRI	3951	Staff Reader, Hawai'i Pacific Review
WRI	3953	Managing Editor, Hawai'i Pacific Review
WRI	3990	Nonpaid Internship
WRI	3991	Paid Internship
WRI	4990	Advanced Writing Revision Workshop

Research Writing Requirement (3 credits)

HUM	3900	Research and Writing in the Humanities
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Electives (6 credits)—Choose six credits from the following:

Any AL, ENG or WRI course at the 3000- or 4000-level

Senior Seminar and Portfolio Capstone Requirement (7 credits)

As students progress through the program, they must save work from their major courses. They will be assigned a faculty advisor as part of enrollment in ENG 2100 or upon transferring to HPU as a declared English major. The advisor will discuss their progress with them at least once per semester. During the final semester before graduation, students enroll in ENG 4910 and, in consultation with their advisor, assemble a portfolio that documents and reflects on their work in the major. Two senior seminars are required and are usually taken in the final two semesters.

ENG	4910	English Major Portfolio Capstone (1 credit)
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Plus any two of the following:

ENG	4100	Shakespeare Seminar
ENG	4120	Seminar in Modernism
ENG	4300	Seminar in Textual Criticism
ENG	4320	Seminar on Postcolonial Literature

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: HISTORY
Total Credits Required: 120 Credits

The history major at Hawai‘i Pacific University provides students with a solid foundation in the field of historical studies and its methodologies. It offers broad exposure to the past, chronologically and geographically, through a selection of courses offering in-depth study of regional, global and thematic history. The capstone course is a seminar resulting in a substantial piece of research and synthesis. The history major develops skills and a base of knowledge to prepare the student for graduate study. It also enables one to pursue careers drawing upon competency in research, writing, analysis, comparative perspectives, multicultural sensitivities, foreign language ability, and related skills relevant to positions in a variety of changing environments.

PROGRAM OBJECTIVES

Students who major in history will:

1. *Demonstrate an understanding of diverse historical viewpoints.*
2. *Place historical questions and issues of enduring importance within their chronological and geographical contexts.*
3. *Gain an historical understanding of cultures and regions of the world across time.*
4. *Recognize the nature of global processes, as they operate in an historical framework, through the study of global systems such as capitalism, gender, warfare, religion, etc.*
5. *Demonstrate critical analytic, reasoning, and research skills.*
6. *Effectively and clearly communicate historical ideas both orally and in writing.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (12 CREDITS)

Take one of the following (3 credits)

- | | | |
|------|------|--|
| HIST | 1001 | Traditions and Encounters: World Cultures to 1500 (<i>Traditions & Movements that Shape the World</i>) |
| HIST | 1401 | American Stories: Themes in American History to 1877 (<i>The American Experience</i>) |

Take one of the following (3 credits)

- | | | |
|------|------|---|
| HIST | 1002 | Global Crossroads: 1500 to Present (<i>Global Crossroads and Diversity</i>) |
| HIST | 1402 | The American Experience, 1865 to the Present (<i>The American Experience</i>) |

Take two “Introduction to Civilization” courses from the following (6 credits)

(Note: If HIST 1401 and/or HIST 1402 were already taken as lower-division requirements, they cannot count as Introduction to Civilization courses)

- | | | |
|------|------|---|
| HIST | 1401 | American Stories: Themes in American History to 1877 (<i>The American Experience</i>) |
| HIST | 1402 | The American Experience, 1865 to the Present (<i>The American Experience</i>) |
| HIST | 1558 | Living History of Hawai‘i (<i>Hawai‘i and the Pacific</i>) |
| HIST | 1717 | Reacting to the Past (<i>Critical Thinking and Expression</i>) |

LOWER-DIVISION MAJOR REQUIREMENTS (3 CREDITS)

- | | | |
|------|------|-----------------------|
| HIST | 2900 | The Historian’s Craft |
|------|------|-----------------------|

LOWER-DIVISION LANGUAGE REQUIREMENTS (8 CREDITS)

Two semesters of the same language, or demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION MAJOR REQUIREMENTS (36 CREDITS)

- | | | |
|------|------|--------------------|
| HIST | 4900 | Seminar in History |
|------|------|--------------------|

33 Additional Upper-Division Credits in History

Asia-Pacific World (6 credits)—Take two courses from the following:

HIST	3322	History of Modern Japan
HIST	3352	History of Modern South East Asia
HIST	3362	History of India
HIST	3556	History of Hawai‘i
HIST	3668	Military History of Hawai‘i
HIST	3777	Hawai‘i and the World

The Atlantic World (6 credits)—Take two courses from the following:

HIST	3222	Europe and the Age of Revolution
HIST	3225	The Enlightenment and the French Revolution
HIST	3231	Europe: The 20th Century
HIST	3242	History of Spain
HIST	3411	U.S.: Jackson to Civil War
HIST	3414	“Untied States:” Race and Ethnicity in American History
HIST	3441	U.S. History Since World War II
HIST	3470	Women in America
HIST	3461	American Intellectual History
HIST	3576	The Atlantic World in the Age of Empire
HIST	3666	U.S. Military History
HIST	3676	U.S. Diplomatic History

World (6 credits)—Take two courses from the following:

HIST	3070	Sex in History
HIST	3501	Islam and World History
HIST	3571	The African Diaspora
HIST	3650	History of Oil in the Modern World
HIST	3655	Bubbles, Panics, and Depressions: A World History of Economic Crisis
HIST	3661	History of Warfare to 1500
HIST	3662	War and Society Since 1500
HIST	3670	Racism, Violence, and Genocide
HIST	3776	Modern Imperialism
HIST	3780	Modern World Revolutions
HIST	3788	Food in World History
HIST	3792	Encounters and Exchanges in Modern World History
HIST	3895	Playtime: Play and Leisure in World History
HIST	4661	History of Military Thought

Plus 15 Additional Credits in Any Upper-Division HIST Course

Optional study abroad opportunities are available to earn up to 15 credits to fulfill the requirements of the major.

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: INTEGRATED MULTIMEDIA

Total Credits Required: 120 Credits

The Integrated Multimedia degree prepares students to work and produce in the online, mass media, information, and entertainment industries. The major focuses on developing multiple media literacy competencies, analytic abilities, and narrative skills. In this program, students develop mixed media portfolios and capstone projects. The applied audio-visual, graphical, and online skills that students learn are informed by a foundation in writing, critical analysis and creative development.

PROGRAM OBJECTIVES

The major in Integrated Multimedia will enable students to:

- 1. Acquire the technical and creative multimedia skills to produce and deploy effective graphical and audio-visual artifacts and online content.*
- 2. Demonstrate the ability to communicate effectively to targeted and mass audiences through media creation and interaction.*
- 3. Gain skills in creating and distributing multimedia content via online and emerging technologies.*
- 4. Acquire and demonstrate knowledge of the technological development and history of modern electronic media systems.*
- 5. Develop an understanding of the local and global influence of electronic media and the ethical and legal responsibilities of media practitioners.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3 CREDITS)

MULT 1100 Foundations of Multimedia Production (*Technology & Innovation*)

LOWER-DIVISION MAJOR REQUIREMENTS (15 CREDITS)

CSCI 2761 HTML and Web Design
MC 2200 First Amendment and Intellectual Property Law
MULT 2060 Modern Media Systems
MULT 2460 Graphic Design Studio
MULT 2465 Motion Picture Production

LOWER-DIVISION LANGUAGE REQUIREMENTS (8 CREDITS)

Two semesters of the same language, or demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION MAJOR REQUIREMENTS (30 CREDITS)

COM 3950 Communication Practicum
MC 3120 Writing for Digital Media
MULT 3400 Design Systems and Portfolio
MULT 3475 Web Interface and Design
MULT 3510 Nonlinear Audio-Visual Editing
MULT 3675 Advanced Web Design
MULT 3750 Motion Graphics and Compositing

Writing:

WRI 3320 Scriptwriting

Application:

Choose one of the following:

ARTS 3010 Introduction to Sculpture
ARTS 3020 Introduction to Painting
ARTS 3051 Photography

ARTS	4901	Advanced Studio Projects
MC	3310	Photojournalism
MULT	3500	Cinematography Workshop
MULT	3560	Documentary Production
MULT	3600	Creative Narrative Production
MULT	3700	Radio and Audio Production
MULT	3780	Global Documentary
MULT	3910	Selected Topics in Multimedia
MULT	4000	Advanced Cinematic Production
MULT	4010	Postproduction Studio

Capstone:

Choose one of the following:

MULT	4900	Multimedia Seminar
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UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: INTERNATIONAL STUDIES

Total Credits Required: 120 Credits

The B.A. degree in International Studies prepares students to take their place as citizens of the world. Through a multi-disciplinary program of study, students develop practical skills and knowledge to analyze a range of contemporary global issues. Students gain a foundation in global studies and international relations, and a deeper knowledge of global issues that draws from courses in anthropology, economics, environmental studies, geography, history, international relations, and political science.

The program of study allows students to develop regional expertise in specific countries or world regions (e.g., China, India, Japan, Africa, Europe, or Latin America) and gain competency in a second language, and students are strongly encouraged to participate in study abroad opportunities. In addition to regional expertise, students select from one of two concentration for a thematic focus:

- (1) ***Anthropology, Development, and Sustainability***: which examines the economic, environmental, political, and socio-cultural underpinnings of development and underdevelopment and explores strategies for building sustainable and resilient communities worldwide.
- (2) ***International Relations and Security***: which highlights the changing nature of global politics, international relations, and national security affairs.

The interdisciplinary nature of the B.A. in International Studies degree has proven to be successful for students ready to address a range of global challenges, it provides strong preparation for graduate programs and law schools. It positions students to become employed in a range of public and private sector organizations, including the U.S. Foreign Service/diplomatic corps, USAID, intelligence and foreign policy analysis, or international banking; international organizations like the European Union, World Health Organization, or United Nations; and non-governmental organizations, such as CARE, Doctors without Borders, or Oxfam. Many careers today demand experts with knowledge and skills stretching beyond their own physical and cultural borders to deal with issues in a global context, and the B.A. in International Studies is ideal preparation for those career paths.

PROGRAM LEARNING OBJECTIVES:

Students who major in International Studies will:

1. *Develop competency in various theoretical approaches in the field of global studies and international relations.*
2. *Be able to conduct rigorous comparative analysis of global issues in a regional context and within social science disciplines.*
3. *Work within conceptual frameworks to analyze the global arena of politics, economics, and social/cultural issues.*
4. *Gain proficiency in critical skills in international relations to include an emphasis on research and communication skills, knowledge of various world cultures, and global systems.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

Choose one of the following (3 credits):

- | | | |
|------|------|---|
| ANTH | 2000 | Cultural Anthropology (<i>Global Crossroads & Diversity</i>) or |
| GEOG | 1500 | World Regional Geography (<i>Global Crossroads & Diversity</i>) or |
| GEOG | 2000 | Visualizing Human Geography (<i>Critical Thinking & Expression</i>) |

Take both of the following (6 credits):

- | | | |
|------|------|--|
| INTR | 1000 | The International System (Global Crossroads and Diversity) |
| PSCI | 2000 | Introduction to Politics (Traditions and Movements that Shape the World) |

LOWER-DIVISION REQUIREMENT (3 CREDITS):

PSCI	2100	Fundamentals of Social Science Research
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LOWER-DIVISION MODERN LANGUAGE REQUIREMENTS (16 CREDITS)

Four semesters of the same modern language, or demonstrated proficiency at fourth-semester level of an approved language; OR intensive language study during a Study Abroad experience; OR an individualized language study plan as developed in consultation with the program chair.

UPPER-DIVISION MAJOR REQUIREMENTS (30 CREDITS)**Common Core (12 credits)**

HIST	3xxx	Any 3000-level HIST course
INTR	3000	International Relations
PSCI	3500	Comparative Politics
INTR	4900	Senior Seminar

Concentrations—Choose one of the following two Concentrations:**Anthropology, Development and Sustainability (18 credits)**

ECON	3430	Environmental Economics or
ENVS	3020	Environmental Policy Process or
GEOG	3700	Sustainable Cities
INTR	3500	Global Systems and Development

Plus any four additional courses from the following list:

ANTH	3200	Medical Anthropology
ANTH	3400	Anthropology of Food
ANTH	3600	Poverty and Culture
ECON	3430	Environmental Economics
ENVS	3020	Environmental Policy Process
GEOG	3700	Sustainable Cities
HIST	3650	History of Oil in the Modern World
HIST	3655	Bubbles, Panics, and Depressions: A World History of Economic Crisis
HIST	3788	Food in World History
INTR	3100	International Political Economy
INTR	3350	International Human Rights
INTR	39XX	Any Contemporary Nations course (e.g., China, EU, Japan, Korea)
NSCI	3000	Building Sustainable Communities
PHIL	4500	Global Justice

or any 3000-level ANTH, ECON, ENVS, GEOG, INTR, or PSCI course

International Relations and Security (18 credits)

PSCI	3412	American Foreign Policy
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Take one of the following two courses:

HIST	3662	War and Society Since 1500
HIST	3676	U.S. Diplomatic History

Plus, any four courses from the following list:

HIST	3780	Modern World Revolutions
INTR	3200	National and International Security
INTR	3250	Peace-Building and Conflict Management
INTR	3275	Global Governance
INTR	3300	International Law
INTR	3400	International Relations of Asia
INTR	39XX	Any Contemporary Nations course (e.g., China, EU, Japan, Korea)
PSCI	3525	Islam and Politics
PSCI	3540	Politics of Terrorism

or any 3000-level HIST, INTR, or PSCI course

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: MULTIMEDIA CINEMATIC PRODUCTION

Total Credits Required: 120 Credits

The Multimedia Cinematic Production degree prepares students to work and produce in the audio-visual, mass media, information, and entertainment industries. The major focuses on developing multiple media literacy competencies, analytic abilities, and narrative skills. In this program, students can choose a capstone project focusing on a creative cinematic narrative production or a documentary production. The applied audio-visual, graphical, and online skills that students learn are informed by a foundation in communication and critical analysis and an emphasis on writing and narrative design.

PROGRAM OBJECTIVES

Students who major in Multimedia Cinematic Production will:

1. *Acquire the technical and creative multimedia skills to produce effective graphical, performative and audio-visual artifacts.*
2. *Demonstrate the ability to communicate effectively to targeted and mass audiences through media creation.*
3. *Gain skills in creating and distributing multimedia messages via online and emerging technologies.*
4. *Acquire and demonstrate knowledge of the technological development and history of modern electronic media systems.*
5. *Develop an understanding of the local and global influence of electronic media and the ethical and legal responsibilities of media practitioners.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

MULT	1100	Foundations of Multimedia Production (<i>Technology & Innovation</i>)
MULT	2000	Global Cinema Studies (<i>Global Crossroads & Diversification</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (12 CREDITS)

MULT	2060	Modern Media Systems
MULT	2460	Graphic Design Studio
MULT	2465	Motion Picture Production
THEA	2320	Basic Acting for Stage and Screen

LOWER-DIVISION LANGUAGE REQUIREMENTS (8 CREDITS)

Two semesters of the same language, or demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION REQUIREMENTS (30 CREDITS)

ESSENTIALS—Take all of the following:

MC	3120	Writing for Digital Media
MULT	3475	Web Interface and Design
MULT	3500	Cinematography Workshop
MULT	3510	Nonlinear Audio-Visual Editing
MULT	3600	Creative Narrative Production
MULT	3750	Motion Graphics and Compositing
MULT	4000	Advanced Cinematic Production

WRITING—Take the following:

WRI	3320	Scriptwriting
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APPLICATION—Take one of the following:

ARTS	3051	Photography
COM	3950	Communication Practicum
MC	3310	Photography

MULT	3400	Design Systems and Portfolio
MULT	3675	Advanced Web Design
MULT	3780	Global Documentary
MULT	4010	Postproduction Seminar
MULT	4590	Feature Film Screenwriting

MEDIA ANALYSIS AND CRITICISM—Take one of the following:

COM	3260	Exploring Film
COM	3270	Film Genre
COM	3770	Media Literacy
ENG	3145	Nonfiction Film: Documentary, Docudrama, and Historical Film
ENG	3227	Hawai‘i and the Pacific in Film
ENG	3330	Film Theory and Criticism
MULT	3910	Selected Topics in Multimedia
PHIL	3260	Exploring Film

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: POLITICAL SCIENCE

Total Credits Required: 120 Credits

The political science major is designed to make students familiar with the major schools of thought and methodologies in the field of political science. Students become knowledgeable about American, comparative, and international politics and study the dynamics of power and decision making in various political systems. They learn to grasp the forces that determine the direction of emerging countries and their governments and to analyze the political-economic relationship within geopolitical areas. Students can make comparisons among different political structures within the world and understand competing historical and contemporary political thought that underpins political systems. The goal in political science is to achieve a self-reflective analysis of the institutions that socialize individuals into their political constructs.

PROGRAM OBJECTIVES:

Students who major in Political Science will:

1. *Be knowledgeable about American, comparative, and international politics.*
2. *Understand the dynamics of power and decision making in various political systems.*
3. *Be able to analyze the political-economic relationship within geopolitical areas.*
4. *Be able to make comparisons among different political structures within the world, to include the congressional and parliamentary systems.*
5. *Understand competing historical and contemporary political thought that underpins political systems.*
6. *Be able to perform a self-reflective analysis of the institutions that socialize individuals into their political constructs.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

PSCI	1400	American Politics (<i>The American Experience</i>)
PSCI	2000	Introduction to Politics (<i>Traditions & Movements that Shape the World</i>)
GEOG	2000	Visualizing Human Geography (<i>Critical Thinking & Expression</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (3 CREDITS)

PSCI	2100	Fundamentals of Social Science Research
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LOWER-DIVISION MODERN LANGUAGE REQUIREMENTS (8 CREDITS)

Two semesters of the same modern language, or demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION MAJOR REQUIREMENTS (30 CREDITS)

PSCI	3000	History of Political Thought
PSCI	3401	Issues in American Politics or PSCI 3411 U.S. Presidency
PSCI	3412	American Foreign Policy or INTR 3000 International Relations
PSCI	3500	Comparative Politics
PSCI	4900	Senior Seminar

MAJOR ELECTIVES

Five upper-division (3000- or 4000-level) electives from PSCI, INTR, CJ, or SOC, with at least three of them (9 credits) from PSCI or INTR.

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: PSYCHOLOGY
Total Credits Required: 120 Credits

Psychology is the scientific study of behavior and mental processes. The psychology program at Hawai'i Pacific University provides students with an understanding of the theoretical approaches and research methods applicable to both laboratory and real-world settings. The program emphasizes the role of the liberal arts and critical thinking in higher education, the student's personal development, and an appreciation of individual differences and cultural diversity.

To achieve the mission of the psychology program, students study a range of topics that exposes them to a variety of methodologies and laboratory experiences that will enable them to evaluate, interpret, and solve problems in the workplace, at home, and in their community. Course topics may include human and animal learning, cognition and behavior, child and adult development, normal and abnormal behavior, addictions, neuroscience, and the applications of psychology to business, education, and health. The curriculum emphasizes active learning, fieldwork, and research within an international environment that prepares students for graduate study in psychology and/or a broad range of entry-level positions in psychology and the community.

PROGRAM OBJECTIVES

Students who major in psychology will:

- 1. Demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology.*
- 2. Understand and apply basic research methods in psychology, including research design, data analysis, and interpretation.*
- 3. Respect and use critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes.*
- 4. Understand and apply psychological principles to personal, social, and organizational issues.*
- 5. Value empirical evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology as a science.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3 CREDITS)

PSY 1000 Introduction to Psychology (*Critical Thinking & Expression*)

LOWER-DIVISION MAJOR REQUIREMENTS (8 CREDITS)

PSY 2100 Statistics in Psychology
PSY 2200 Research Methods in Psychology

LOWER-DIVISION LANGUAGE REQUIREMENTS (8 CREDITS)

Two semesters of the same modern language, or demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION REQUIREMENTS (39 CREDITS)

COM 3500 Technical Communication
PSY 3100 Learning and Cognitive Process
PSY 3200 Biopsychology
PSY 3235 Cross-Cultural Psychology
PSY 3300 Social Psychology
PSY 3400 Lifespan Developmental Psychology

Plus take at least one of the following:

PSY 3500 Tests and Measurements in Psychology
PSY 3550 Advanced Statistics in Psychology

Plus take at least one of the following:

PSY 3600 Abnormal Psychology

PSY 3700 Personality

Plus take at least one of the following:

PSY 4900 History and Systems in Psychology

PSY 4925 Psychology Research Seminar

PSY 4950 Counseling Practicum

Plus take four additional upper-division courses in PSY, (Minimum 12 credits)

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: TEACHING ENGLISH TO
SPEAKERS OF OTHER LANGUAGES (TESOL)

Total Credits Required: 120 Credits

The TESOL program at HPU is structured on three types of courses: theoretical, pedagogical, and practical. Theoretical linguistic courses, taught from an applied perspective, help the TESOL student better understand languages in general, and English in particular. Pedagogical courses examine teaching strategies appropriate for diverse contexts. Practicum courses place the future teacher in language classes to observe master teachers, serve with them as assistants, and finally assume class responsibility as solo practice teachers. While the TESOL program focuses on the teaching of English, sound language teaching principles are universal. Thus, program graduates frequently find that their fluency in other languages, combined with their TESOL training, make them excellent candidates for teaching positions in those other languages.

PROGRAM OBJECTIVES

Students who complete the Bachelor of Arts in Teaching English to Speakers of Other Languages (TESOL) will be prepared to demonstrate ASK:

- A. Attitudes of a professional: They are collegial toward their peers, enthusiastic toward the profession, and thoughtfully reflective about their teaching practices. They display personal, professional, and cultural sensitivity toward their students.*
- S. Skills of an effective language teacher: They possess excellent spoken and written English skills. They can critically evaluate ESL or EFL texts, prepare and teach effective lessons, apply sound principles in assessment and feedback, and respond appropriately to student needs in a given class.*
- K. Knowledge of the English language, language learning processes, and pedagogical principles: They can base their teaching on knowledge of the English sound system, grammar, and variations in context; the stages and complexities of second language learning; and communicative language.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

AL	2000	Introduction to Linguistics (<i>Global Crossroads and Diversity</i>)
ENG	2500	World Literature (<i>Traditions and Movements that Shape the World</i>)
PSY	1000	Introduction to Psychology (<i>Critical Thinking and Expression</i>)

LOWER-DIVISION MODERN LANGUAGE REQUIREMENTS (16 CREDITS)

Four semesters of the same modern language, or demonstrated proficiency at fourth-semester level of an approved language, or intensive language study during a Study Abroad experience; or an individualized language study plan as developed in consultation with the program chair.

- At least the last semester of one language must be taken after AL 2000.
- If exempted from the language requirement, one semester of any new language must still be taken after AL 2000.

UPPER-DIVISION MAJOR REQUIREMENTS (24 CREDITS)

AL	3110	The English Sound System
AL	3120	English Sentence Structure
AL	3320	Sociolinguistics
AL	3500	Second Language Learning and Teaching
AL	4710	Teaching Listening and Speaking Skills
AL	4720	Teaching Reading and Writing Skills
AL	4960	Practice Teaching

Practice Teaching Capstone (6 credits)

AL	3950	Language Classroom Experience
AL	4960	Practice Teaching

Ideally, the student completes their credits of AL 3950—Language Classroom Experience before taking AL 4960—Practice Teaching in the final term. When circumstances warrant and the TESOL Practicum Coordinator approves, however, the final credits of AL 3950 may be taken concurrently with AL 4960.

UPPER-DIVISION ELECTIVE REQUIREMENTS (12 CREDITS)

Four courses:

1. Two upper-division electives from Applied Linguistics (AL)
2. *Plus two courses chosen from the following* in disciplines related to TESOL such as anthropology, area studies, cross-cultural relations, education, English, psychology, world languages, and writing.

Recommended courses include:

Any upper-division AL, ENG, or WRI course, or:

ANTH	3700	Culture and Language
ED	3000	Foundations of American Education
ED	3300	Introduction to Teaching
PHIL	4721	Philosophy of Education
PSY	3235	Cross-Cultural Psychology
PSY	3400	Lifespan Development Psychology
SOC	3380	Cross-Cultural Relations
WRI	3510	Composition Studies

or a TESOL-related course cleared through the TESOL program chair.

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: DIPLOMACY AND MILITARY STUDIES

Total Credits Required: 120 Credits

The Diplomacy and Military Studies major at Hawai'i Pacific University is designed to provide students with a solid foundation in the fields of historical and political studies and their various approaches and methodologies in order to understand better the role of the military as an institution within society. The program of study is constructed to give students historical, ethical, and practical perspectives on military affairs. Students enrolled in the program take a variety of courses that provide a broad context both in terms of chronology and geography. The B.S. in Diplomacy and Military Studies develops the skills, base of knowledge, and moral awareness that will serve as preparation for a career as a leader, whether in today's military or in the private sector. Those same skills and knowledge base, however, are also useful in pursuing a graduate degree in history, political science, international relations, or law.

PROGRAM OBJECTIVES

Students who major in Diplomacy and Military Studies will be able to:

- 1. Discuss and apply the various methodologies and approaches to the study of history, political science, and international relations in a military context.*
- 2. Place questions and issues concerning the role of the military within their chronological and geographical context to serve as a foundation for more in-depth inquiries.*
- 3. Make use of critically reflective tools for interpreting pertinent historical, cultural, philosophical, and political issues.*
- 4. Articulate the moral and ethical concerns raised through the study of the relationship of the military to society and technology.*
- 5. Appreciate the importance of the military as an instrument for the preservation of peace rather than the waging of war.*
- 6. Serve as responsible, moral leaders.*
- 7. Be prepared to undertake graduate study in history, political science, international relations, and related fields.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (12 CREDITS)

Take one of the following:

HIST	1001	Traditions and Encounters: World Cultures to 1500 (<i>Traditions & Movement</i>)
HIST	1401	American Stories: Themes in American History to 1877 (<i>American Experience</i>)

Take one of the following:

HIST	1002	Global Crossroads: 1500-Present (<i>Global Crossroads & Diversity</i>)
HIST	1402	Introduction to American History since 1865 (<i>American Experience</i>)

Take both of the following:

INTR	1000	The International System (<i>Global Crossroads & Diversity</i>)
PSCI	2000	Introduction to Politics (<i>Traditions & Movements</i>)

Note: Because multiple lower-division requirements qualify for the same General Education Curricular Areas, a maximum of 12 credits can double count toward both lower-division and General Education requirements.

LOWER-DIVISION MODERN LANGUAGE REQUIREMENTS (4 CREDITS)

One semester of language, or demonstrated proficiency at first-semester level of an approved language.

LOWER-DIVISION MAJOR REQUIREMENT (3 CREDITS)

HIST	2900	The Historian's Craft
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UPPER-DIVISION REQUIREMENTS (54–55 CREDITS)

Upper-Division Major Requirements (24 Credits)

HIST	3661	History of Warfare to 1500
HIST	3662	War and Society since 1500
HIST	3666	U.S. Military History
HIST	3676	U.S. Diplomatic History
HIST	4661	History of Military Thought
INTR	3000	International Relations
INTR	3200	National and International Security or PSCI 3500 Comparative Politics
PSCI	3412	American Foreign Policy

Upper-Division Major Electives (27-28 Credits)

For students not in the ROTC program (27 credits):

Nine courses (27 credits) from the following (at least five must be HIST courses):

[Note: If INTR 3200 National and International Security and/or PSCI 3500 Comparative Politics have been taken as a Major Requirements, they cannot be counted for Major Electives.]

HIST	3222	Europe in the Age of Revolution
HIST	3231	Twentieth Century Europe
HIST	3302	History of Modern China
HIST	3322	History of Modern Japan
HIST	3441	U.S. History since World War II
HIST	3501	Islam and the Middle East
HIST	3650	History of Oil in the Modern World
HIST	3655	Bubbles, Panics, & Depressions: A History of World Economic Crisis
HIST	3668	Military History of Hawai‘i
HIST	3776	Modern Imperialism
HIST	3780	Modern Global Revolutions
INTR	3200	National and International Security
INTR	3250	Peacebuilding and Conflict Management
INTR	3275	Global Governance
INTR	3300	International Law
INTR	3350	International Human Rights
INTR	3400	International Relations of Asia
INTR	39XX	Any Contemporary Nations course
PSCI	3411	The U.S. Presidency
PSCI	3430	America: The Images from Abroad
PSCI	3525	Islam and Politics
PSCI	3540	Politics of Terrorism
PSCI	3650	Intelligence Studies
PSCI	3890	Homeland Security
PSY	3360	Military Psychology
SOC	3660	Sociology of Terrorism

For students in the ROTC program (28 credits):

MSL	3010	Leading Small Organizations I or AS 3510 Air Force Leadership Studies
MSL	3020	Leading Small Organizations II or AS 3520 Air Force Leadership Studies
MSL	4010	Leadership Challenges & Goals I or AS 4010 National Security Affairs
MSL	4020	Leadership Challenges & Goals II or AS 4020 National Security Affairs

Note: All ROTC MSL and AS classes are 4 credits

Plus 4 courses (12 credits) from the list of electives for students not in ROTC above. Two courses must be HIST courses.

CAPSTONE REQUIREMENT (3 CREDITS)

HIST	4900	Seminar in History
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UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that

overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: MASS COMMUNICATION
Total Credits Required: 120 Credits

The Bachelor of Science degree in Mass Communication combines the traditional areas of Advertising, Journalism, and Public Relations to reflect today's converging industries and job opportunities. Required classes in our B.S. degree focus on integration of traditional Advertising, Journalism, and Public Relations while providing students the flexibility to tailor their degree to fit their career interest.

PROGRAM OBJECTIVES

Students who major in Mass Communication will be able to:

1. *Build integrated strategic communication programs in business, professional, and social environments, including: research and planning, rationale, and implementation techniques.*
2. *Produce a professional, entry-level mass communication portfolio.*
3. *Apply First Amendment, copyright, and contract laws in Mass Communication situations.*
4. *Build a foundation for lifelong learning and advanced education in Mass Communication.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3 CREDITS)

COM 2000 Public Speaking (*Critical Thinking & Expression*)

LOWER-DIVISION MAJOR REQUIREMENTS (15 CREDITS)

MC	1000	Mass Media Today
MC	1100	Mass Communication Writing
MC	2100	Mass Communication Research
MC	2200	First Amendment and Intellectual Property Law
MULT	1050	Point, Shoot, Edit

LOWER-DIVISION LANGUAGE REQUIREMENTS (0 CREDITS)

Not required, but recommended for students wishing to work in international mass communication.

UPPER-DIVISION MAJOR REQUIREMENTS (6 CREDITS)

COM	3950	Communication Practicum
MC	4900	Capstone Experience

MC RESTRICTED ELECTIVE REQUIREMENTS

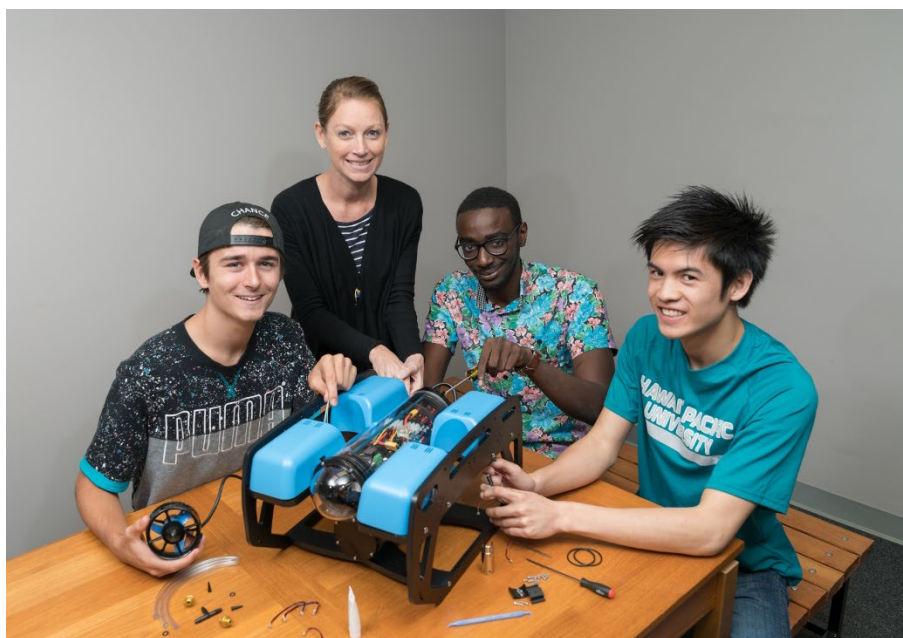
Choose six courses from the following (18 credits):

COM	3320	Persuasion or COM 3900 Communication Theory
MC	3120	Writing for Digital Media
MC	3300	Social Media
MC	3310	Photojournalism
MC	3700	Creativity in Mass Communication
MC	3720	Audience Behavior
MC	3730	New Media Strategies and Sales
MC	3740	Crisis Communication
MC	3750	Special Events Planning
MC	3910	Selected Topics in Mass Communication
MULT	2460	Graphic Design Studio or MULT 2465 Motion Picture Production

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

COLLEGE OF NATURAL AND COMPUTATIONAL SCIENCES



BACHELOR OF ARTS
MAJOR: ENVIRONMENTAL STUDIES

Total Credits Required: 120 Credits

The Environmental Studies major prepares students for advanced studies in environmental policy, law, or management, and for careers as environmental policy analysts, managers, and related positions in the rapidly growing number of private and public organizations and companies that have significant environmental concerns. Students selecting this major take lower-division courses in introductory chemistry, biology, earth system science, and environmental science courses. This provides breadth of perspective for examining environmental issues. Upper-division coursework in environmental law and policy and environmental economics provides additional understanding, skills, and perspective for approaching environmental issues.

PROGRAM OBJECTIVES

Students who major in Environmental Studies will:

- 1. Demonstrate an understanding of factual base, processes, and relationships that constitute a working foundation in the environmental sciences.*
- 2. Demonstrate an understanding of the social, economic, political, and legal framework in which environmental issues are enmeshed.*
- 3. Critically analyze and formulate possible solutions to complex environmental issues that include consideration of social, economic, and political as well as scientific issues.*
- 4. Access, comprehend, and communicate information to and from the many audiences required by a practitioner in field of environmental science.*
- 5. Develop a working knowledge of techniques used to gather and analyze information in environmental studies, including project design, sampling, measurement, geographic image interpretation, hazardous materials concerns, statistical and graphical analysis, and other computational skills.*
- 6. Demonstrate an understanding of divergent ethical views of environmental issues, distinguish them from scientific or legal viewpoints, formulate their own environmental ethic, and articulate it to others.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (12 CREDITS)

BIOL	1500	Conservation Biology (<i>The Sustainable World</i>)
ECON	2010	Principles of Microeconomics (<i>Critical Thinking & Expression</i>)
ECON	2015	Principles of Macroeconomics (<i>Traditions & Movements that Shape the World</i>)
MARS	1000	Introductory Oceanography (<i>The Natural World</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (29 CREDITS)

CHEM	1020	Introduction to Chemistry and the Environment
CHEM	1021	Introduction to Chemistry and the Environment Laboratory
ENVS	1020	Introductory Meteorology
ENVS	1500	Natural Disasters
ENVS	2000	Principles of Environmental Science
ENVS	2001	Principles of Environmental Science Laboratory
MATH	1123	Statistics

UPPER-DIVISION MAJOR REQUIREMENTS (31 CREDITS)

ANTH	3400	Anthropology of Food or SOC 3650 Global Systems and Development
ECON	3430	Environmental Economics
ENVS	3002	Applications of Environmental Science
ENVS	3003	Applications of Environmental Science Laboratory or ENVS 4001 Methods of Environmental Science Laboratory
ENVS	3010	Environmental Impact Analysis

ENVS	3020	The Environmental Policy Process
ENVS	3030	Earth Systems and Global Change
ENVS	3600	Natural Resource Management
ENVS	4000	Methods of Environmental Science or ENVS 4950 Environmental Studies Practicum
ENVS	4100	Society and Environment: Contemporary Issues Seminar
GEOG	3720	Population Dynamics or ENVS 4030 Applied Geographic Information Systems

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: BIOCHEMISTRY
Total Credits Required: 120 Credits

Biochemistry is the study of living organisms at the molecular level. The field explores the structures, functions, transformations, and interactions of biological molecules (proteins, lipids, carbohydrates, and nucleic acids), which give rise to the complexity of living systems. Recent advances in this fast growing field, such as the synthesis and amplification of DNA, the understanding of cell communication, and uncovering the molecular basis of life-threatening diseases, have driven innovation and shaped the world's health and prosperity.

Our biochemistry curriculum is based on guidelines from the American Society for Biochemistry and Molecular Biology (ASBMB). The major is rigorous, efficient, and contemporary, focusing on the fundamentals as well as the cutting-edge areas, approaches, and practices within modern biochemistry. Students take foundational lecture and laboratory courses in chemistry, biology, physics, and mathematics followed by a breadth of advanced courses in biology and organic, physical, and analytical chemistry, as well as a series of in-depth courses in biochemistry. Our faculty are enthusiastically engaged in research, the majority of which is focused around biomedical applications. Not only does our faculty's high level of engagement in research provide rich and meaningful research opportunities for our biochemistry majors, but it also infuses our program with the energy and excitement of the cutting-edge developments within the field.

One contributing factor to this sharp growth in the field of biochemistry has been the advancement of sophisticated instrumentation which enables more powerful observation and study of complex biomolecules. A distinguishing feature of our program is the wide array of advanced research instruments that are integrated into our required laboratory courses. This provides students hands-on experience with state-of-the-art instrumentation in the field, thereby enhancing the skill sets and competitiveness of our graduates.

Because biochemistry forms a foundation for many other scientific disciplines, our biochemistry major prepares students to apply for jobs directly in biochemistry or related fields and to enroll in graduate (masters or doctorate) or professional (health professions, allied health, or law) programs. Examples of relevant fields include biotechnology, biomedical engineering, biostatistics, food research, health professions (medical, pharmacy, dentistry, veterinary), allied health professions (physical therapy, physician's assistant, dietician, medical technologist), law (patent law, forensics), chemistry/biochemistry education, environment science, scientific writing, and sales and marketing.

We offer two different concentrations for the biochemistry major. The Conventional Biochemistry Concentration will prepare students for jobs in the workforce directly following graduation or for further study in graduate programs, in any of the areas listed above. The Pre-Health Professions Concentration provides students with a comprehensive and rigorous training in biochemistry while also preparing them to be competitive applicants for health-related professional schools.

PROGRAM OBJECTIVES

I) Content Areas:

- 1. Demonstrate an understanding of the physical/chemical principles that provide significant insight into the functioning of living systems as measured through standardized subject exams developed by the American Chemical Society.*
- 2. Know key concepts and principles regarding biochemical structures, principal biochemical pathways of living organisms and the molecular basis of biochemical processes.*

II) Laboratory Techniques:

- 1. Understand the theory and learn to operate a wide variety of advanced biochemical instrumentation.*
- 2. Perform laboratory techniques involving chromatographic separations, analyses and purifications.*

3. Perform laboratory techniques involving key biochemical reactions, procedures and functions.

III) *Acquired Skills:*

1. Access and critically analyze literature in the field of biochemistry.
2. Identify and discuss the major issues, including ethical ones, at the forefront of the discipline of biochemistry.
3. Use oral, written, and visual presentations to present their work to both a science literate and a general audience.
4. Use computers as information and research tools, including data acquisition and statistical analysis.

IV) *Pre-Health Professions Concentration (additional objective):*

1. Enhance students' competitiveness for entry into health related professional school as evaluated by acceptance rates.

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

CHEM	2050	General Chemistry I (<i>The Natural World</i>)
MATH	2214	Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (34 CREDITS)

BIOL	2050	General Biology I
BIOL	2051	General Biology I Laboratory
BIOL	2052	General Biology II
BIOL	2053	General Biology II Laboratory
CHEM	2051	General Chemistry I Laboratory
CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory
MATH	1123	Statistics
MATH	2215	Calculus II
PHYS	2050	General Physics I
PHYS	2051	General Physics I Laboratory
PHYS	2052	General Physics II
PHYS	2053	General Physics III

CONVENTIONAL CONCENTRATION

UPPER-DIVISION MAJOR REQUIREMENTS (30 CREDITS)

BIOL	3170	Cell and Molecular Biology
CHEM	3020	Physical Chemistry I
CHEM	3030	Organic Chemistry I
CHEM	3031	Organic Chemistry I Laboratory
CHEM	3032	Organic Chemistry II
CHEM	3033	Organic Chemistry II Laboratory
CHEM	3040	Quantitative Analysis
CHEM	3041	Quantitative Analysis Laboratory
CHEM	4030	General Biochemistry I
CHEM	4031	General Biochemistry I Laboratory
CHEM	4032	General Biochemistry II
CHEM	4033	General Biochemistry II Laboratory
CHEM	4095	Biochemistry Seminar

UPPER-DIVISION ELECTIVE REQUIREMENTS (4–5 CREDITS)

Complete one additional upper-division (3000 level or higher) CHEM course, 3credits.

Complete one additional laboratory course from within the Department of Natural Sciences, 1–2 credits.

PRE-HEALTH PROFESSIONS CONCENTRATION

UPPER-DIVISION MAJOR REQUIREMENTS (25 CREDITS)

BIOL	3170	Cell and Molecular Biology
CHEM	3020	Physical Chemistry I
CHEM	3030	Organic Chemistry I
CHEM	3031	Organic Chemistry I Laboratory
CHEM	3032	Organic Chemistry II
CHEM	3033	Organic Chemistry II Laboratory
CHEM	4030	General Biochemistry I
CHEM	4031	General Biochemistry I Laboratory
CHEM	4032	General Biochemistry II
CHEM	4033	General Biochemistry II Laboratory
CHEM	4095	Biochemistry Seminar

UPPER-DIVISION ELECTIVE REQUIREMENTS (10–11 CREDITS)

Complete two courses from:

BIOL	3050	Genetics
BIOL	3034	Human Physiology
BIOL	3036	Human Anatomy
CHEM	3040	Quantitative Analysis

Complete the following:

One additional upper-division (3000 level or higher) course, 3 credits.

One additional laboratory course from within the Department of Natural Sciences, 1–2 credits.

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: BIOLOGY
Total Credits Required: 120 Credits

Biology, the study of life, is currently in its most exciting era. Unique insights of new scientific pioneers fueled by modern research techniques are sparking an explosion of biological information. From these fragments emerge a picture of life revealing fascinating connections between molecules, cells, organisms, ecological systems, and evolution. Biologists explore these fundamental components and their connections to build a unified understanding of life.

The College of Natural and Computational Sciences offers two pathways, or concentrations, for a major program of study leading to a Bachelor of Science degree in Biology. The first concentration is the General Biology program of study, which provides a broad, yet integrated curriculum across the breadth of fields within the biological sciences. The General Biology curriculum is scientifically rigorous yet flexible, offering students choices and opportunities for pursuing their own areas of interest. The General Biology program provides the background and preparation for a variety of biological careers or further studies, including the areas of wildlife biology, conservation, ecology, molecular biology, zoology, botany, and physiology. The second concentration is the Human and Health Sciences program of study. This curriculum option focuses on molecular and human biology, with options to study advanced aspects of human health and social sciences, from microbiology to psychology, anthropology, and health management. The Human and Health Sciences option prepares students for entry into medical school, dental school, veterinary school, pharmacy and health care training programs, and graduate studies in health-related fields. In addition, it provides the scientific background for careers in biotechnology, cell and molecular biology, and biomedicine. In both curriculum options, the Biology degree program at HPU integrates modern laboratory methods and field experiences with traditional classroom instruction, providing excellent preparation for employment or graduate studies for future biologists, science educators, health professionals, researchers, and many others.

PROGRAM OBJECTIVES

Students who major in Biology will:

1. *Apply the fundamental knowledge, principles, processes and systems in the natural sciences to solve biological problems.*
2. *Integrate advanced concepts across the breadth of biology subject areas, including cellular, molecular, and organismal biology, ecology, evolution, and the diversity of life.*
3. *Conduct observational and experimental studies in biology, with appropriate experimental design and application of mathematical, statistical, and computational techniques.*
4. *Find, read, and evaluate published biological research from a variety of sources.*
5. *Communicate scientific ideas effectively in written and oral formats with effective presentation techniques.*
6. *Exhibit professionalism and commitment to uphold scientific ethics.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

CHEM	2050	General Chemistry I (<i>The Natural World</i>)
MATH	2214	Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (29–31 CREDITS)

BIOL	2050	General Biology I
BIOL	2051	General Biology I Laboratory
BIOL	2052	General Biology II
BIOL	2053	General Biology II Laboratory
CHEM	2051	General Chemistry I Laboratory

CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory
MATH	1123	Statistics
MATH	2215	Calculus II or MATH 3305 Linear Algebra or BIOL 4090 Biometry

Take either the College Physics series:

PHYS	2030	College Physics I
PHYS	2031	College Physics I Laboratory
PHYS	2032	College Physics II
PHYS	2033	College Physics II Laboratory

Or the General Physics series:

PHYS	2050	General Physics I
PHYS	2051	General Physics I Laboratory
PHYS	2052	General Physics II
PHYS	2053	General Physics II Laboratory

GENERAL BIOLOGY CONCENTRATION

UPPER-DIVISION MAJOR REQUIREMENTS (34–39 CREDITS)

BIOL	3020	Plant Biology or BIOL 4024 Algal Biology & Diversity
BIOL	3030	Comparative Animal Physiology or BIOL 3034 Human Physiology
BIOL	3040	General Microbiology or BIOL 4040 Environmental Microbiology
BIOL	3050	Genetics or BIOL 3054 Evolutionary Genetics
BIOL	3060	Marine Invertebrate Zoology or BIOL 3070 Marine Vertebrate Zoology
BIOL	3080	Ecology
BIOL	3081	Ecology Laboratory
BIOL	3170	Cell and Molecular Biology or CHEM 4030 Biochemistry I
BIOL	4940	Biology Seminar
CHEM	3010	Fundamental Organic Chemistry or CHEM 3030/3032 Organic Chemistry I & II (The year-long organic chemistry series is recommended for students planning to attend graduate school)

Choose one additional 4000-level lecture course:

BIOL	4020	Cancer-Biology
BIOL	4024	Algal Biology & Diversity
BIOL	4040	Environmental Microbiology
BIOL	4050	Developmental Biology
BIOL	4090	Biometry
BIOL	4210	Neurobiology
BIOL	4220	Immunology

Choose at least 3 upper-division science laboratory courses (3 credits minimum) from the following:

BIOL	3021	Plant Biology Laboratory
BIOL	3025	Algal Biology & Diversity Laboratory
BIOL	3031	Comparative Animal Physiology Laboratory
BIOL	3035	Human Physiology Laboratory
BIOL	3037	Human Anatomy Laboratory
BIOL	3041	General Microbiology Laboratory
BIOL	3061	Marine Invertebrate Zoology Laboratory
BIOL	3071	Marine Vertebrate Zoology Laboratory
BIOL	3171	Cell and Molecular Biology Laboratory
BIOL	4041	Environmental Microbiology Laboratory
CHEM	4031	Biochemistry I Laboratory

HUMAN AND HEALTH SCIENCES CONCENTRATION

UPPER-DIVISION MAJOR REQUIREMENTS (37 CREDITS)

BIOL	3034	Human Physiology
BIOL	3036	Human Anatomy

BIOL	3040	General Microbiology or BIOL 4040 Environmental Microbiology
BIOL	3050	Genetics
BIOL	3010	Natural History of the Hawaiian Islands or BIOL 3020 Plant Biology or BIOL 3080 Ecology
BIOL	3170	Cell and Molecular Biology
CHEM	3030	Organic Chemistry I
CHEM	3031	Organic Chemistry I Laboratory
CHEM	3032	Organic Chemistry II
CHEM	3033	Organic Chemistry II Laboratory
CHEM	4030	Biochemistry I
PMED	3900	Premedical Studies Senior Seminar or BIOL 4940 Biology Seminar
PMED	3950	Premedical Studies Practicum (not required if BIOL 4940 is selected)

Choose at least two upper-division science laboratory courses from the following (2 credits minimum):

BIOL	3031	Comparative Animal Physiology Laboratory
BIOL	3035	Human Physiology Laboratory
BIOL	3037	Human Anatomy Laboratory
BIOL	3041	General Microbiology Laboratory
BIOL	3171	Cell and Molecular Biology Laboratory
CHEM	4031	Biochemistry I Laboratory
CHEM	4033	Biochemistry II Laboratory (if CHEM 4032 is chosen as an elective)

Choose one upper-division course (3 credits) from one of the following alphas; ANTH, BIOL, CHEM, NUR, PSY

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

The “3+3” Program Pathways for Biology-Human Health Sciences Students

These pathways offer students the opportunity to enter into the doctoral program of their choice (Pharmacy, Physical Therapy or Chiropractic) after their third (junior) year at HPU after having completed all necessary doctoral prerequisites, maintaining a certain GPA, and meeting admission requirements. After the first year of the doctoral program, students may transfer back courses to HPU to receive a Bachelor of Science (B.S.) in Biology—Human Health Sciences. In order to qualify for this degree, students must follow the prescribed Program Pathway and obtain all stated classes.

HPU students will receive preferred admission status at our partner universities, and may even be guaranteed admission to the program (see each school program below).

Students should share their intent to be part of these articulating programs with both their academic advisor and the Pre-Health Professions Specialist early on to ensure they receive the best guidance and support.

For more detailed information, please visit the website: www.hpu.edu/cncs/natural-science/pre-health/pre-med-articulation.html.

Physical Therapy

The Pre-Physical Therapy Program at HPU begins with a solid grounding in core science classes as students work towards a degree in Biology—Human Health Sciences. As students enter their junior year at HPU, they have two pathway choices into Physical Therapy.

3+3 Program at Carroll University

This 3+3 program is a great option for students who wish to proceed directly into the Doctor of Physical Therapy Program. After three years at HPU, Carroll University will offer HPU students

preferred admission into their program, providing that students have completed all the program prerequisites with at least 30 credit hours taken at HPU. Applications must have a cumulative and science GPA of at least 3.0 (out of 4.0), submit all application materials to Carroll University by the first priority deadline (approximately mid-January of junior year), and obtain a Committee Letter from the Hawai'i Pacific University Pre-Health Professions Committee.

In order to obtain a B.S in Biology—Human Health Sciences after the completion of the first year of the Doctor of Physical Therapy Program at Carroll University, the student must transfer back the credits obtained and petition to graduate. It is the responsibility of the student to ensure that he/she completes all the necessary courses required at HPU in order to qualify for this degree plan.

Direct Entry at Creighton University

The Physical Therapy School at Creighton University will guarantee acceptance to up to five HPU students each year who graduate with a B.S. in Biology—Human Health Sciences, have maintained a GPA of 3.5 (out of 4.0) or greater, and scored at least 300 on the GRE (combined quantitative and verbal.) Students will need to apply to Creighton University through PTCAS, have completed a minimum of 60 hours of observation with a physical therapist, and have at least three excellent letters of recommendation.

Pharmacy

HPU offers two different 3+3 and one 3+4 opportunities for students interested in Pharmacy. All pathways offer students the option of proceeding directly into a Doctor of Pharmacy Program after three years at HPU. A B.S. in Biology—Human Health Sciences will be awarded after the successful completion of Year One in the Doctor of Pharmacy program. It is the responsibility of the student to ensure that he/she completes all the necessary courses required at HPU in order to qualify for this degree plan.

3+4 at University of Hawai'i, Hilo

The Daniel K Inouye College of Pharmacy at UH Hilo will welcome HPU students who have maintained a GPA of at least 3.2 (out of 4.0), achieved a 60 on the PCAT, and had a successful interview with the College of Pharmacy admissions team. A minimum of a "C" grade is required for all program prerequisite courses, and students must follow the "Three Year Plan for Articulation Agreements" in order to be eligible to receive their BS from Hawai'i Pacific University after transferring to the Doctor of Pharmacy Program.

3+3 at Creighton University

Students entering the Doctor of Pharmacy Program at Creighton University must follow the "Three Year Plan for Articulation Agreements" and accumulate at least 90 credit hours of credit by the spring before enrollment at Creighton University. Participants need to maintain a cumulative GPA of 3.5 (out of 4.0) and achieve a PCAT score of at least 60. Students will apply to the program via PharmCAS no later than November 1st of the academic year prior to enrollment (junior year).

3+3 at University of the Pacific

The Thomas J. Long School of Pharmacy and Health Sciences at University of the Pacific will welcome HPU students who have completed at least 90 credit hour credits (at least 75 of which were completed at HPU), have a minimum GPA of 3.5 (out of 4.0), and have completed all the necessary prerequisites, including a full year of General Biology, General Chemistry and Organic Chemistry. Students will apply via PharmCAS.

Chiropractic

HPU and the University of Southern California Health Sciences, College of Chiropractic, have partnered to offer students interested in a career as a Chiropractic Doctor a 3+3 direct entry program. Southern California University of Health Sciences College of Chiropractic will offer HPU students preferred admission into their program and guarantee the acceptance of up to five HPU students each year. Applicants must have completed all the program prerequisites (at least 30 credit hours must be taken at HPU), and have a cumulative and science GPA of at least 3.0 (out of 4.0). Students are

required to submit all application materials directly to Southern California University of Health Sciences. Note that the application fee will be waived for HPU students.

In order to obtain a B.S in Biology—Human Health Sciences after the completion of the first year of the Doctor of Chiropractic Program at Southern California University of Health Sciences, the student must transfer back the credits obtained and petition to graduate. It is the responsibility of the student to ensure that he/she completes all the necessary courses required at HPU in order to qualify for this degree plan.

Early Acceptance Program in Medicine and Dentistry

Hawaii Pacific University has partnered with Lake Eric College of Medicine (LECOM) to offer HPU students an advantageous Early Acceptance Program (EAP) into the Medicine and Dentistry programs at LECOM. Students must meet specific GPA requirements, complete all pre-requisite classes, and participate in the Pre-Health Professions Program while at HPU. After completing a degree at HPU, these students matriculate directly into the Dental or Medicine Programs at LECOM. For more information, please visit the website: www.hpu.edu/cncs/natural-science/pre-health/early-acceptance.html.

BACHELOR OF SCIENCE
MAJOR: BIOMEDICAL ENGINEERING

Total Credits Required: 120 Credits

The Bachelor of Science in Biomedical Engineering degree at HPU involves the application of engineering principles to design and develop diagnostic or treatment solutions for biological, medical and/or physiological problems. Students may undertake a variety of courses in computational biomechanics, biomedical optics, biomedical signal processing, computer simulation and processing, medical image processing and instrumentation, tissue engineering, biosensing, and device design, in addition to the study of topics in physics, chemistry, and electrical engineering toward future employment in the healthcare and/or healthcare technology sector. The HPU Bachelor of Science in Biomedical Engineering is a 4 year program. HPU Bachelor of Science in Biomedical Engineering graduates will find employment working with scientists and healthcare experts in areas such as artificial organ and prosthesis development, medical imaging and instrumentation systems, healthcare delivery and management systems, and development of medical assistive technologies for intervention and/or diagnosis.

PROGRAM OBJECTIVES

The Bachelor of Science in Biomedical Engineering seeks to produce graduates who will:

1. *Understand and apply a core of fundamental engineering, mathematical, and science-based operational skills to real-world problems and challenges, with creativity, innovation, and professional responsibility.*
2. *Apply a problem-solving approach to actively and effectively engage in engineering practice, or in the pursuit of other fields such as mathematics, science, law, medicine, computer science, or business.*
3. *Actively seek professional positions of technical prowess and leadership within Industry and the community.*
4. *Serve as engineering ambassadors in the community by conforming to the highest ethical and professional standards, continuing professional skill development, and actively participating in the learning and development of those they are supervising and their peers.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

MATH	2214	Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)
ENGE	1000	Introduction to Engineering Systems and Professional Practice (<i>Technology & Innovation</i>)
CHEM	2050	General Chemistry I (<i>The Natural World</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (30 CREDITS)

BIOL	2050	General Biology I
BIOL	2051	General Biology I Lab
BIOL	2052	General Biology II
BIOL	2053	General Biology II Lab
CHEM	2051	General Chemistry I Lab
CSCI	2911	Computer Science I
CSCI	2916	Computer Science Lab I
ENGB	2000	Biomechanics
ENGB	2004	Bioinstrumentation Lab
ENGE	2000	Linear Circuits and Systems
ENGE	2001	Linear Circuits and Systems Lab
ENGE	2003	Bioengineering Signals and Systems
MATH	2215	Calculus II

MATH	2216	Calculus III
PHYS	2050	General Physics I
PHYS	2051	General Physics I Lab

UPPER-DIVISION MAJOR REQUIREMENTS (36 CREDITS)

BIOL	3034	Human Physiology
BIOL	3035	Human Physiology Lab
BIOL	3170	Cell and Molecular Biology
BIOL	3171	Cell and Molecular Biology Lab
ENGB	3001	Bioengineering Thermodynamics
ENGB	3002	Transport Phenomena
ENGB	3003	Biomedical Imaging and Computer Simulation Lab
ENGB	3004	Biomedical Instrumentation and Device Fabrication
ENGB	3005	Engineering Design Project I
ENGB	3006	Engineering Design Project II
ENGE	3006	Electromagnetics
ENGR	4995	Professional Practice
MATH	3305	Linear Algebra
MATH	3307	Differential Equations
MATH	3470	Applied Statistics

Plus Four Electives from the Following: (12 Credits)

ENGB	4002	Tissue Engineering
ENGB	4004	Biomedical Optics
ENGB	4005	Biomedical Signal Processing
ENGB	4007	Biosensors
ENGB	4008	Computational Biomechanics
ENGB	4999	Special Topics in Biomedical Engineering
ENGE	4500	Research I
ENGE	4600	Research II
ENGE	4700	Research III
ENGR	4995	Engineering Professional Practice

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: BIOTECHNOLOGY ENGINEERING

Total Credits Required: 120 Credits

The Bachelor of Science in Biotechnology Engineering degree at HPU involves the design, development, and application of innovative technologies, products, and/or environmentally sustainable systems through the efficient use of biological resources. Biotechnology specializations include those related to bioenvironmental engineering and bioprocess engineering. Bioenvironmental engineering is the application of engineering principles to the natural environment and its ecosystems, for preserving and/or improving environmental quality of life. Bioenvironmental engineering solutions may seek to address topics of concern in soil ecology, environmental protection, environmental toxicology, waste treatment and management, land treatment, air quality, renewable biofuels, and ground water hydrology. Bioprocess engineering is the application of engineering principles to the design, construction, integration, and/or maintenance of environmentally responsible systems with the use of biological materials for process sustainability and/or improvement. Bioprocess engineers may be concerned with food manufacturing processes, industrial hygiene, emergency response systems, environmental systems, food, chemical, or pharmaceutical processing and packaging systems and apply innovative solutions that incorporate biomaterials or bioresources such as cells or molecules from plant or animal matter or by-products, toward environmental and system sustainability. The HPU Bachelor of Science in Biotechnology Engineering is a 4 year program. HPU Bachelor of Science in Biotechnology Engineering graduates will find employment in bioenvironmental or bioprocess engineering positions, within sectors such as agriculture, environmental, healthcare, food manufacturing, and pharmaceutical industries.

PROGRAM OBJECTIVES

The Bachelor of Science in Biotechnology Engineering seeks to produce Graduates who will:

1. *Understand and apply a core of fundamental engineering, mathematical, and science-based operational skills to real-world problems and challenges, with creativity, innovation and professional responsibility.*
2. *Apply a problem-solving approach to actively and effectively engage in engineering practice, or in the pursuit of other fields such as mathematics, science, law, medicine, computer science, or business.*
3. *Actively seek professional positions of technical prowess and leadership within Industry and the community.*
4. *Serve as engineering ambassadors in the community by conforming to the highest ethical and professional standards, continuing professional skill development and actively participating in the learning and development of those they are supervising and their peers.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

CHEM	2050	General Chemistry I (<i>The Natural World</i>)
ENGE	1000	Introduction to Engineering Systems and Professional Practice (<i>Technology & Innovation</i>)
MATH	2214	Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)

LOWER DIVISION MAJOR REQUIREMENTS (38 CREDITS)

BIOL	2050	General Biology I
BIOL	2051	General Biology I Lab
BIOL	2052	General Biology II
CHEM	2051	General Chemistry I Lab
ENGB	2004	Bioinstrumentation Lab

ENGE	2000	Linear Circuits & Systems
ENGE	2001	Linear Circuits & Systems Lab
ENGE	2003	Bioengineering Signals and Systems
ENGT	2001	Biomaterials
ENGT	2002	Bioprocesses
ENVS	2000	Principles of Environmental Science
MATH	2215	Calculus II
MATH	2216	Calculus III
PHYS	2050	General Physics I
PHYS	2052	General Physics I Lab

UPPER DIVISION MAJOR REQUIREMENTS (25 CREDITS)

BIOL	3170	Cell and Molecular Biology
BIOL	3171	Cell and Molecular Biology Lab
ENGB	3001	Bioengineering Thermodynamics
ENGT	3000	Engineering Design Project I
ENGT	3001	Engineering Design Project II
ENGT	3002	Analytical Biotechnology for Engineers
MATH	3305	Linear Algebra
MATH	3307	Differential Equations
MATH	3470	Applied Statistics

Plus One Elective from the Following (3 Credits):

BIOL, CHEM, ENVS, GEOL, or PHYS—2000 level or greater

Plus Six Electives from the Following (18 Credits):

ENGE	4500	Research I
ENGE	4600	Research II
ENGE	4700	Research III
ENGR	4995	Engineering Professional Practice
ENGT	4002	Biomanufacturing
ENGT	4004	Soil Ecology
ENGT	4009	Environmental Systems Analysis for Engineers
ENGT	4010	Waste Treatment and Management
ENGT	4011	Air Quality Management
ENGT	4012	Land Treatment Systems
ENGT	4013	Food Processing and Packaging Systems
ENGT	4999	Special Topics in Biotechnology Engineering

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: CHEMISTRY
Total Credits Required: 120 Credits

Chemistry is the study of matter and the changes it undergoes. As such, the discipline is central to the natural sciences, serving as a foundation for other disciplines, as diverse as biology, molecular biology, pharmacy, medicine, physics, environmental and marine sciences, engineering, geology, and earth science. Thus, a strong background in chemistry prepares students not only for service directly in the chemical arena (e.g. education, industrial analytical chemistry, chemical engineering, pharmaceuticals synthesis, quality control, etc.) but also in many related disciplines (e.g. medicine, pharmacy, biotechnology, environmental services, alternative fuels, material sciences, etc.). The HPU B.S. in Chemistry program offers a broad-based and rigorous chemistry education that provides students with the intellectual, experimental, and communication skills to participate effectively as scientific professionals. The program is modeled on the *American Chemical Society (ACS)* guidelines for undergraduate chemistry education and prepares students for employment as professional chemists, for entrance into graduate or health professional schools, and for employment in other areas where a background in chemistry is advantageous. A distinguishing feature of the program is the hands-on experience students engage in through our laboratory courses, which are rich, relevant, and reflective of laboratory environments in academic, industrial, and government laboratories. There are two concentrations to choose from, both of which lead to a Bachelor of Science in Chemistry. The Conventional Concentration prepares student for employment as professional scientists or for entrance in graduate school in chemistry and related fields. The Pre-Health Professions Concentrations trains students with the most current and essential chemistry curriculum while preparing them for entrance into professional schools in the health professions.

PROGRAM OBJECTIVES

The Chemistry program objectives are based on the published American Chemical Society (ACS) guidelines for chemistry programs.

- I) **Content Areas:** *Students who complete the Chemistry major will demonstrate knowledge of:*
 1. *Introductory chemistry: periodic table, chemical reactions, stoichiometry, gas laws, chemical thermodynamics, atomic structure, molecular structure, intermolecular forces, acids and bases, kinetics, chemical equilibrium, crystal structures, and electrochemistry.*
 2. *Core foundational areas of chemistry: analytical, biochemistry, inorganic, organic and physical.*
 3. *Specialized coursework: in the form of advanced elective courses and/or research experiences within or integrating between some of the above areas, to nurture maturity in the field.*
- II) **Laboratory Experience:** *Chemistry is primarily an experimental science. The Chemistry major thus requires over 400 hours in the laboratory. While many of these lab courses are specific in topic, for students they represent an invaluable introduction and exposure to general laboratory environments and practices. Students will:*
 1. *Understand the theory and learn to operate a wide variety of advanced biochemical instrumentation.*
 2. *Use computers as information and research tools, including data acquisition, statistical analysis, and molecular modeling.*
 3. *Demonstrate safety in the laboratory and practice environmentally sound disposal methods.*
 4. *Prepare effective presentations of laboratory data and be able to clearly communicate scientific information in the form of laboratory reports and oral presentations.*
- III) **Research Experience:** *All students in the major will complete a senior research project as part of their capstone experience. Many students may choose to involve themselves in ongoing faculty research projects before that:*
 1. *Demonstrate a practical understanding of a variety of contemporary scientific methods in the process of carrying out research project experiments.*

2. Access and critically analyze literature and to derive chemical information through the use of molecular search engines such as SciFinder™.
 3. Design experimental protocols, analyze data, and demonstrate critical problem solving skills to troubleshoot.
 4. Communicate findings in both oral and written presentations.
- IV) Pre-Health Professions Concentration:
1. Enhance students' competitiveness for entry into health related professional school as evaluated by acceptance rates.

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

CHEM	2050	General Chemistry I (<i>The Natural World</i>)
MATH	2214	Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)

CONVENTIONAL CONCENTRATION

LOWER-DIVISION REQUIREMENTS (18 CREDITS)

CHEM	2051	General Chemistry I Laboratory
CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory
MATH	2215	Calculus II
PHYS	2050	General Physics I
PHYS	2051	General Physics I Laboratory
PHYS	2052	General Physics II
PHYS	2053	General Physics II Laboratory

UPPER-DIVISION MAJOR REQUIREMENTS (36 CREDITS)

CHEM	3020	Physical Chemistry I
CHEM	3022	Physical Chemistry II
CHEM	3023	Physical Chemistry Laboratory
CHEM	3030	Organic Chemistry I
CHEM	3031	Organic Chemistry I Laboratory
CHEM	3032	Organic Chemistry II
CHEM	3033	Organic Chemistry II Laboratory
CHEM	3040	Quantitative Analysis
CHEM	3041	Quantitative Analysis Laboratory
CHEM	3042	Instrumental Analysis
CHEM	3043	Instrumental Analysis Laboratory
CHEM	3060	Inorganic Chemistry
CHEM	4030	Biochemistry I
CHEM	4031	Biochemistry I Laboratory
CHEM	4910	Senior Seminar
CHEM	4911	Senior Research

UPPER-DIVISION MAJOR ELECTIVE REQUIREMENTS (3 CREDITS)

Complete one additional upper-division (3000-level or higher) CHEM course, 3 credits.

PRE-HEALTH PROFESSIONS CONCENTRATION

LOWER-DIVISION REQUIREMENTS (28 CREDITS)

BIOL	2050	General Biology I
BIOL	2051	General Biology I Laboratory
BIOL	2052	General Biology II

BIOL	2053	General Biology II Laboratory
CHEM	2051	General Chemistry I Laboratory
CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory
MATH	2215	Calculus II
PHYS	2050	General Physics I
PHYS	2051	General Physics I Laboratory
PHYS	2052	General Physics II
PHYS	2053	General Physics II Laboratory

UPPER-DIVISION MAJOR REQUIREMENTS (29 CREDITS)

CHEM	3020	Physical Chemistry I
CHEM	3022	Physical Chemistry II
CHEM	3030	Organic Chemistry I
CHEM	3031	Organic Chemistry I Laboratory
CHEM	3032	Organic Chemistry II
CHEM	3033	Organic Chemistry II Laboratory
CHEM	3040	Quantitative Analysis
CHEM	3041	Quantitative Analysis Laboratory
CHEM	3060	Inorganic Chemistry
CHEM	4030	Biochemistry I
CHEM	4031	Biochemistry I Laboratory
CHEM	4910	Senior Seminar

UPPER-DIVISION ELECTIVE REQUIREMENTS (10–11 CREDITS)

A. Choose two courses from:

BIOL	3170	Cell and Molecular Biology
BIOL	3050	Genetics
BIOL	3034	Human Physiology
BIOL	3036	Human Anatomy

B. Complete the following:

One additional upper-division (3000-level or higher) CHEM course, 3 credits.

One additional laboratory course from within the Department of Natural Sciences, 1–2 credits (this may be fulfilled by CHEM 4950 Practicum)

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: COMPUTER SCIENCE

Total Credits Required: 120 Credits

The Computer Science major meets the high standards of model programs proposed by the professional organizations ACM (Association for Computing Machinery—www.acm.org) and IEEE (the world's largest professional association for the advancement of technology—www.ieee.org). The courses in the degree can be broadly divided into three areas: computer languages and problem-solving, software design, and computer organization. The wide range of courses offered includes foundational core courses as well as exciting and important contemporary topics. A senior project allows students to apply all the skills and knowledge acquired throughout the program to a challenging and relevant software problem. The curriculum is designed to provide students with excellent preparation for high-demand jobs in the growing field of computer science, or for further graduate studies.

PROGRAM OBJECTIVES

Students who major in Computer Science will:

1. *Apply appropriate problem-solving strategies, programming constructs, and data types for designing and developing algorithms and computer programs.*
2. *Demonstrate knowledge of mathematical foundations of computer science, such as discrete mathematics, and apply logic and proof techniques in solving problems.*
3. *Analyze and demonstrate knowledge of fundamental algorithms such as sorting and graph algorithms, algorithmic strategies, fundamental data structures, and complexity classes; determine complexity measures for algorithms.*
4. *Apply data modeling and database design techniques to develop relational database systems.*
5. *Demonstrate knowledge of fundamental principles of data communications, networking, and distributed-systems; apply this knowledge to systems that use the internet or other networks.*
6. *Demonstrate knowledge of digital representations of information, digital logic principles and components, and digital architectures and organization.*
7. *Describe and apply principles of computer operating systems, including memory management and resource scheduling.*
8. *Employ professional software development models, testing principles, documentation techniques, teamwork, and project management skills for building software applications that include quality control, scalability, reliability, maintainability, and usability.*
9. *Be prepared to undertake graduate study or professional work in any of a broad range of computer-related positions and possibly involving collaboration with other disciplines.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

PREREQUISITE COURSES (0-9 CREDITS):

An introductory programming class:

- | | | |
|-----------|--------------------------------------|----|
| CSCI 1911 | Foundations of Programming | or |
| CSCI 1611 | A Gentle Introduction to Programming | |

Pre-Calculus:

- | | | | | | |
|-----------|---------------------------------|-----|-----------|-----------------|----|
| MATH 1130 | Pre-Calculus I | and | MATH 1140 | Pre-Calculus II | or |
| MATH 1150 | Pre-Calculus I & II Accelerated | | | | |

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3-6 CREDITS)

- | | | |
|-----------|---------------------|---|
| CHEM 2050 | General Chemistry I | (<i>The Natural World</i>) |
| MATH 2214 | Calculus I | (<i>Quantitative Analysis & Symbolic Reasoning</i>) |

LOWER-DIVISION MAJOR REQUIREMENTS (22 CREDITS)

- | | |
|-----------|------------------------------------|
| CSCI 2301 | Discrete Math for Computer Science |
| CSCI 2911 | Computer Science I |
| CSCI 2912 | Computer Science II |

CSCI	2913	Data Structures
CSCI	2916	Computer Science I Lab
MATH	1123	Statistics
MATH	2215	Calculus II

EXPERIMENTAL LAB SCIENCE REQUIREMENTS (8–10 CREDITS)

Students are required to take two semesters of science courses with experimental lab components. In fulfilling this requirement, students gain both understanding of the scientific method and experience with laboratory work. Two semesters of a lecture plus lab pair of science courses is required. It is not required to take a full sequence within the same discipline; for example, this requirement could be met with BIOL 2050+2051 and CHEM 2050+2051.

Pick any two pairs from this list:

BIOL	2050+2051	General Biology I+Lab
BIOL	2052+2053	General Biology II+Lab
BIOL	3020+3021	Plant Biology+Lab
BIOL	3034+3035	Human Physiology+Lab
BIOL	3040+3041	General Microbiology+Lab
BIOL	3170+3171	Cell and Molecular Biology+Lab
CHEM	1020+1021	Introduction to Chemistry and the Environment+Lab
CHEM	2050+2051	General Chemistry I+Lab
CHEM	2052+2053	General Chemistry II+Lab
CHEM	3030+3031	Organic Chemistry I+Lab
CHEM	3032+3033	Organic Chemistry II+Lab
ENVS	2000+2001	Principles of Environmental Science+Lab
ENVS	3002+3003	Applications of Environmental Science+Lab
MARS	2062+2063	Marine Biology+Lab
MARS	3000+3001	General Oceanography I+Lab
MARS	3002+3003	General Oceanography II+Lab
PHYS	2030+2031	College Physics I+Lab
PHYS	2032+2033	College Physics II+Lab
PHYS	2050+2051	General Physics I+Lab
PHYS	2052+2053	General Physics II+Lab

Some of these lecture plus lab pairs depend on prior pairs; for example, taking General Chemistry II relies on taking General Chemistry I first. Students should carefully consult the prerequisites, especially for 3000-level courses.

Students planning to go on to graduate school may need a particular sequence of sciences prescribed by their intended graduate program. They should discuss their selections with their advisors with this in mind.

UPPER-DIVISION MAJOR REQUIREMENTS (42 CREDITS)

CSCI	3001	Assembly Language and Computer Systems Programming
CSCI	3101	Algorithms
CSCI	3211	Systems Analysis
CSCI	3301	Database Technologies
CSCI	3401	Data Communication
CSCI	3501	Computer Organization
CSCI	3601	Operating Systems
CSCI	37xx	Any upper-division programming language course
CSCI	3911	Software Engineering
CSCI	4911	Software Project I

Plus three additional upper-division CSCI courses

Plus one additional upper-division MATH course

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: ELECTRICAL ENGINEERING

Total Credits Required: 120 Credits

The Bachelor of Science in Electrical Engineering degree at HPU involves the application of engineering principles to electrical systems and devices for purposes of diagnostics, maintenance, innovation or design, development, testing and commissioning with core expertise in electrical circuits, signals and systems, control and microcontroller systems, electronics, digital hardware, communications technology, embedded systems, and power. Students apply fundamentals in topics of electricity, electromagnetism, and electronics to proceed toward specialization in advanced topics, such as computer architecture, network engineering, renewable energy, robotics and automation, intelligent control, image and audio processing, and modeling of engineering process-based systems. The HPU Bachelor of Science in Electrical Engineering is a 4 year program, offering students an option to focus in Sustainability for attainment of a Concentration in Engineering Sustainability, in addition to an option to undertake a Thesis and one extra semester of study to attain a Bachelor of Science in Electrical Engineering with Honors. HPU Bachelor of Science in Electrical Engineering graduates will find employment in a wide expanse of industries, such as heavy industry and manufacturing, government roles, consultancy firms in engineering and business, instrumentation, and many other areas such as aviation, robotics, building and construction, healthcare, hospitality, and military.

Students require a minimum of 120 credits to graduate with a Bachelor's degree in each of the four year programs, including Honors requirements in Electrical Engineering. Students undertaking Electrical Engineering with a Concentration in Engineering Sustainability require selection of subjects and a minimum of 21 credits in Engineering Sustainability (refer Approved Lists of courses for a Concentration in Engineering Sustainability).

PROGRAM OBJECTIVES

The Bachelor of Science in Electrical Engineering seeks to produce graduates who will:

1. *Understand and apply a core of fundamental engineering, mathematical, and science-based operational skills to real-world problems and challenges, with creativity, innovation and professional responsibility.*
2. *Apply a problem-solving approach to actively and effectively engage in engineering practice, or in the pursuit of other fields such as mathematics, science, law, medicine, computer science, or business.*
3. *Actively seek professional positions of technical prowess and leadership within industry and the community.*
4. *Serve as engineering ambassadors in the community by conforming to the highest ethical and professional standards, continuing professional skill development and actively participating in the learning and development of those they are supervising and their peers.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER DIVISION COURSES (9 CREDITS)

MATH	2214	Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)
ENGE	1000	Introduction to Engineering Systems and Professional Practice (<i>Technology & Innovation</i>)
CHEM	2050	General Chemistry I (<i>The Natural World</i>)

LOWER DIVISION MAJOR REQUIREMENTS (33 CREDITS)

CHEM	2051	General Chemistry I Lab
CSCI	2911	Computer Science I
CSCI	2912	Computer Science II

CSCI	2916	Computer Science Lab I
ENGE	2000	Linear Circuits and Systems
ENGE	2001	Linear Circuits and Systems Lab
ENGE	2004	Digital Hardware
ENGE	2005	Digital Hardware Lab
ENGE	2006	Electronics
ENGE	2007	Electronics Lab
MATH	2215	Calculus II
MATH	2216	Calculus III
PHYS	2050	General Physics I
PHYS	2052	General Physics I Lab

UPPER DIVISION MAJOR REQUIREMENTS (30 CREDITS)

ENGE	3000	Communications
ENGE	3001	Communications Lab
ENGE	3004	Engineering Design Project I
ENGE	3005	Engineering Design Project II
ENGE	3006	Electromagnetics
ENGE	3007	Control Systems
ENGE	3008	Control Systems Lab
MATH	3305	Linear Algebra
MATH	3307	Differential Equations
MATH	3407	Applied Statistics

Plus One Elective from the Following (3 Credits)

ENVS, BIOL, CHEM or PHYS—2000 level or greater, **or**

ENVS 3200 Principles of Environmental Science (*Concentration in Engineering Sustainability Elective*)

Plus One Elective from the Following (1 Credit)

ENVS, BIOL, CHEM, or PHYS Laboratory—2000-level or greater

Plus Seven (Major) Electives from the Following: (21 Credits)

BS in Electrical Engineering: Concentration in Engineering Sustainability Track Electives

ENGE	4010	Power Systems Analysis and Design
ENGE	4500	Research I
ENGE	4600	Research II
ENGE	4700	Research III
ENGR	4995	Engineering Professional Practice
ENVS	3000	Sustainability and the Environment
ENVS	3200	Photovoltaic Systems Design
ENVS	4040	Sustainable Building Science
ENVS	4300	Advanced Photovoltaic Systems Design

BS in Electrical Engineering: (Non-Concentration) Track Electives

ENGE	4007	Robotics and Automation
ENGE	4008	Intelligent Control
ENGE	4009	Image Processing
ENGE	4010	Power Systems Analysis and Design
ENGE	4500	Research I
ENGE	4600	Research II
ENGE	4700	Research III
ENGE	4998	Special Topics in Sensor Technologies
ENGE	4999	Special Topics in Electrical Engineering
ENGR	4995	Engineering Professional Practice

CSCI Upper Division (*restricted to one course maximum*)

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will

need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: ENVIRONMENTAL SCIENCE

Total Credits Required: 120 Credits

The Environmental Science major prepares students for advanced studies or careers in the private and public sectors as environmental scientists. Students selecting this major take a rigorous series of lower-division courses in chemistry, physics, biology, earth system science, and mathematics as a foundation for advanced courses in environmental science. In addition, students take upper-division courses in biology and chemistry, providing breadth of perspective for examining environmental issues. Upper-division coursework in communication and environmental ethics provides additional understanding, skills, and perspective for approaching environmental issues. Environmental Science majors also have opportunities to choose from a range of field-based practicum, internship, and career experiences with environmental science companies or institutions.

PROGRAM OBJECTIVES

Students who major in environmental science will:

- 1. Demonstrate an understanding of the factual base, processes, and relationships that constitute a working foundation in the environmental sciences.*
- 2. Demonstrate an understanding of the social, economic, political, and legal framework in which environmental issues are enmeshed.*
- 3. Critically analyze and formulate possible solutions to complex environmental issues that include consideration of social, economic, and political as well as scientific issues.*
- 4. Access, comprehend, and communicate information to and from the many audiences required by a practitioner in field of environmental science.*
- 5. Develop a working knowledge of techniques used to gather and analyze information in environmental studies, including project design, sampling, measurement, geographic image interpretation, hazardous materials concerns, statistical and graphical analysis, and other computational skills.*
- 6. Demonstrate an understanding of divergent ethical views of environmental issues, distinguish them from scientific or legal viewpoints, formulate their own environmental ethic, and articulate it to the others.*
- 7. Be well-prepared for graduate studies in a related discipline or for entry-level positions in the discipline.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

CHEM	2050	General Chemistry I (<i>The Natural World</i>)
MATH	2214	Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)

Choose one of the following:

ECON	2010	Principles of Microeconomics (<i>Critical Thinking & Expression</i>)
ECON	2015	Principles of Macroeconomics (<i>Traditions & Movements that Shape the World</i>)

MAJOR REQUIREMENTS (70–71 CREDITS)

BIOL	2050	General Biology
BIOL	2051	General Biology I Laboratory
BIOL	2052	General Biology II
BIOL	2053	General Biology II Laboratory
CHEM	2051	General Chemistry I Laboratory
CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory
ENVS	1500	Natural Disasters
ENVS	2000	Principles of Environmental Science

ENVS	2001	Principles of Environmental Science Laboratory
MATH	1123	Statistics
MATH	2214	Calculus I
MATH	2215	Calculus II or MATH 3305 Linear Algebra or BIOL 4090 Biometry*

*Students planning on graduate studies should take MATH 2215 Calculus II.

Complete one of the following series:

College Physics Series:

PHYS	2030	College Physics I
PHYS	2031	College Physics I Laboratory

Or

General Physics Series:

PHYS	2050	General Physics I
PHYS	2051	General Physics I Laboratory

Students planning on graduate studies should take the General Physics Series instead of the College Physics Series (including taking PHYS 2052 General Physics II and PHYS 2053 General Physics II Laboratory as unrestricted electives).

BIOL	3080	Ecology
CHEM	3050	Environmental Chemistry
ENVS	3002	Applications of Environmental Science
ENVS	3003	Applications of Environmental Science Laboratory
ENVS	3010	Environmental Impact Analysis
ENVS	3030	Earth Systems and Global Change
ENVS	4000	Methods of Environmental Science
ENVS	4001	Methods of Environmental Science Laboratory
ENVS	4400	Environmental Science Seminar
GEOL	3020	Hydrogeology
MGMT	3600	Natural Resource Management

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: MARINE BIOLOGY
Total Credits Required: 120 Credits

The marine biology major is composed of a rigorous sequence of courses leading to the Bachelor of Science degree. Students prepare for advanced work by taking a year (two semesters) each of general biology, general chemistry, and college physics, all with laboratory components. Mathematics preparation extends through integral calculus and statistics. A practical course in oceanographic field techniques, plus two semesters of general oceanography, with laboratory and fieldwork, complete the lower-division requirements. Advanced courses ranging from molecular biology to ecology offer students breadth and depth across the spectrum of modern biology and its marine applications. Laboratory and fieldwork take advantage of Hawai'i's tropical and oceanic setting and its wealth of marine life. The university's research vessel supports small classes in advanced studies from fringing coral reefs in Kāne'ohe Bay to the deep sea only a few hours away. Completion of the marine biology major prepares students to enter private or public sector careers in domestic or international fields, such as living marine resource management, marine environmental analysis and protection, and interpretation or teaching in biology and marine science. Students who aim for future leadership in marine biology also achieve the academic preparation to pursue a master's or doctoral degree in their field.

PROGRAM OBJECTIVES

Students majoring in marine biology will:

- 1. Demonstrate broad basic knowledge of the fundamental principles in the biological and physical sciences.*
- 2. Integrate scientific principles to explain complex biological problems in the marine environment.*
- 3. Plan and implement observational and experimental studies of marine organisms and ecosystems and analyze the data obtained from these studies using appropriate mathematical and statistical techniques.*
- 4. Communicate scientific ideas effectively in written and oral formats using appropriate computer applications for data analysis and presentation.*
- 5. Find and evaluate published information from a variety of printed and electronic sources.*
- 6. Use a biological perspective to analyze complex problems and develop relevant questions pertaining to the marine environment.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

CHEM	2050	General Chemistry I (<i>The Natural World</i>)
MATH	1123	Statistics (<i>Quantitative Analysis & Symbolic Reasoning</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (38–40 CREDITS)

BIOL	2050	General Biology I
BIOL	2051	General Biology I Laboratory
BIOL	2052	General Biology II
BIOL	2053	General Biology II Laboratory
CHEM	2051	General Chemistry I Laboratory
CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory
MARS	1020	Oceanographic Field Techniques
MATH	2214	Calculus I
MATH	2215	Calculus II

Complete one of the following series:
College Physics Series:

PHYS	2030	College Physics I
PHYS	2031	College Physics I Laboratory
PHYS	2032	College Physics II
PHYS	2033	College Physics II Laboratory

Or

General Physics Series:*

PHYS	2050	General Physics I
PHYS	2051	General Physics I Laboratory
PHYS	2052	General Physics II
PHYS	2053	General Physics II Laboratory

**The General Physics series, PHYS 2050–53, is recommended for students planning to attend graduate school)*

UPPER-DIVISION MAJOR REQUIREMENTS (36–39 CREDITS)

BIOL	3030	Comparative Animal Physiology
BIOL	3054	Evolutionary Genetics
BIOL	3060	Marine Invertebrate Zoology or BIOL 3070 Marine Vertebrate Zoology
BIOL	3080	Ecology
BIOL	3081	Ecology Laboratory
BIOL	3170	Cell and Molecular Biology or BIOL 4040 Environmental Microbiology
CHEM	3010	Fundamental Organic Chemistry or CHEM 3030/CHEM 3032 (Organic Chemistry I, II) [The year-long chemistry series is recommended for students planning to attend graduate school].
MARS	3000	General Oceanography I
MARS	3001	General Oceanography I Laboratory
MARS	3002	General Oceanography II
MARS	3003	General Oceanography II Laboratory
MARS	4050	Marine Ecology
MARS	4910	Research Seminar in Marine Biology (capstone experience)
MARS	4911	Research Experience in Marine Biology (capstone experience)

Plus a minimum of two laboratory courses chosen from the following:

BIOL	3031	Comparative Animal Physiology Laboratory
BIOL	3061	Marine Invertebrate Zoology Laboratory
BIOL	3071	Marine Vertebrate Zoology Laboratory
BIOL	3171	Cell and Molecular Biology Laboratory
BIOL	4041	Environmental Microbiology Laboratory

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: MATHEMATICS WITH A CONCENTRATION
Total Credits Required: 120 Credits

The HPU Bachelor of Science in Mathematics major is a comprehensive degree program that provides students with four options depending on their interests and future plans.

PROGRAM OBJECTIVES

Students who major in mathematics:

1. Interpret, calculate, analyze, represent, and clearly communicate quantitative information through mathematical tools (e.g., equations, graphs, or diagrams).
2. Solve applied problems in mathematics, statistics, or in other math-based disciplines.
3. Construct and critique mathematical proofs.
4. Develop comprehensive oral skills using the language of mathematics in order to articulate mathematical ideas and explain results.

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

PREREQUISITE COURSES (0–9 CREDITS):

The number of credits required depends on the students' preparation. Some students may be able to go directly into the lower-division requirements of CSCI 2911 and MATH 2214.

CSCI	1911	Foundations of Programming
MATH	1130	Pre-Calculus I and MATH 1140 Pre-Calculus II or
MATH	1150	Pre-Calculus I & II Accelerated

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3 CREDITS)

MATH	2214	Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)
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LOWER-DIVISION MAJOR REQUIREMENTS (10 CREDITS)

CSCI	2911	Computer Science I
CSCI	2912	Computer Science II
CSCI	2916	Computer Science I Lab
MATH	2215	Calculus II

UPPER-DIVISION MAJOR REQUIREMENTS (3 CREDITS)

MATH	3305	Linear Algebra
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CONCENTRATION REQUIREMENTS

Math Education Concentration: (44–46 Credits)

The Mathematics Education concentration provides students with a solid foundation in undergraduate mathematics with specialized courses to prepare them to pursue entry into a secondary education post-graduate program for licensure and/or a master's degree in education with a mathematics specialty. This concentration also helps to prepare students for passing the Praxis II Math Content exam for the state licensure, for pursuing a position in the Hawai'i DOE as an emergency hire, and/or pursuing private school mathematics teaching positions.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3 CREDITS)

COM	2000	Public Speaking (<i>Critical Thinking & Expression</i>)
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LOWER-DIVISION REQUIREMENTS (9 CREDITS)

MATH	1123	Statistics
MATH	2007	Math across the Ages
MATH	2220	Proof Writing

EXPERIMENTAL LAB SCIENCE REQUIREMENTS (8–10 CREDITS)

Students are required to take two semesters of science courses with experimental lab components. In fulfilling this requirement, students gain both understanding of the scientific method and experience with laboratory work. Two semesters of a lecture plus lab pair of science courses is required. It is not required to take a full sequence within the same discipline; for example, this requirement could be met with BIOL 2050+2051 and CHEM 2050+2051.

Pick any two pairs from this list:

BIOL	2050+2051	General Biology I+Lab
BIOL	2052+2053	General Biology II+Lab
BIOL	3020+3021	Plant Biology+Lab
BIOL	3034+3035	Human Physiology+Lab
BIOL	3040+3041	General Microbiology+Lab
BIOL	3170+3171	Cell and Molecular Biology+Lab
CHEM	1020+1021	Introduction to Chemistry and the Environment+Lab
CHEM	2050+2051	General Chemistry I+Lab
CHEM	2052+2053	General Chemistry II+Lab
CHEM	3030+3031	Organic Chemistry I+Lab
CHEM	3032+3033	Organic Chemistry II+Lab
ENVS	2000+2001	Principles of Environmental Science+Lab
ENVS	3002+3003	Applications of Environmental Science+Lab
MARS	2062+2063	Marine Biology+Lab
MARS	3000+3001	General Oceanography I+Lab
MARS	3002+3003	General Oceanography II+Lab
PHYS	2030+2031	College Physics I+Lab
PHYS	2032+2033	College Physics II+Lab
PHYS	2050+2051	General Physics I+Lab
PHYS	2052+2053	General Physics II+Lab

Some of these lecture plus lab pairs depend on prior pairs; for example, taking General Chemistry II relies on taking General Chemistry I first. Students should carefully consult the prerequisites, especially for 3000-level courses.

Students planning to go on to graduate school may need a particular sequence of sciences prescribed by their intended graduate program. They should discuss their selections with their advisors with this in mind.

UPPER-DIVISION REQUIREMENTS (24 CREDITS)

MATH	3220	College Geometry
MATH	3316	Problem Solving for Mathematics Teaching
MATH	3330	Abstract Algebra
MATH	3450	Real Analysis
MATH	4920	Math Education Practicum

Plus any *three* additional electives. The electives can be upper-division (3000- or 4000-level) MATH classes or MATH 2216 (if not taken as part of the concentration requirement), or electives may include up to two PSY or ED classes as approved by a faculty or academic advisor.

Pure Math Concentration: (38–40 Credits)

The Pure Mathematics concentration provides students more choices of mathematics classes than the other concentrations, thereby allowing students to more fully pursue interests that could lead to a graduate school specialty. The student pursuing the Pure Mathematics concentration will also be prepared to enter a graduate teacher education program in education.

LOWER-DIVISION REQUIREMENTS (9 CREDITS)

MATH	2007	Math across the Ages
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MATH	2216	Calculus III
MATH	2220	Proof Writing

EXPERIMENTAL LAB SCIENCE REQUIREMENTS (8-10 CREDITS)

Students are required to take two semesters of science courses with experimental lab components. In fulfilling this requirement, students gain both understanding of the scientific method and experience with laboratory work. Two semesters of a lecture plus lab pair of science courses is required. It is not required to take a full sequence within the same discipline; for example, this requirement could be met with BIOL 2050+2051 and CHEM 2050+2051.

Pick any two pairs from this list:

BIOL	2050+2051	General Biology I+Lab
BIOL	2052+2053	General Biology II+Lab
BIOL	3020+3021	Plant Biology+Lab
BIOL	3034+3035	Human Physiology+Lab
BIOL	3040+3041	General Microbiology+Lab
BIOL	3170+3171	Cell and Molecular Biology+Lab
CHEM	1020+1021	Introduction to Chemistry and the Environment+Lab
CHEM	2050+2051	General Chemistry I+Lab
CHEM	2052+2053	General Chemistry II+Lab
CHEM	3030+3031	Organic Chemistry I+Lab
CHEM	3032+3033	Organic Chemistry II+Lab
ENVS	2000+2001	Principles of Environmental Science+Lab
ENVS	3002+3003	Applications of Environmental Science+Lab
MARS	2062+2063	Marine Biology+Lab
MARS	3000+3001	General Oceanography I+Lab
MARS	3002+3003	General Oceanography II+Lab
PHYS	2030+2031	College Physics I+Lab
PHYS	2032+2033	College Physics II+Lab
PHYS	2050+2051	General Physics I+Lab
PHYS	2052+2053	General Physics II+Lab

Some of these lecture plus lab pairs depend on prior pairs; for example, taking General Chemistry II relies on taking General Chemistry I first. Students should carefully consult the prerequisites, especially for 3000-level courses.

Students planning to go onto graduate school may need a particular sequence of sciences prescribed by their intended graduate program. They should discuss their selections with their advisors with this in mind.

UPPER-DIVISION REQUIREMENTS (21 CREDITS)

Any *seven* electives. The electives can be upper-division (3000- or 4000-level) MATH classes. The following classes are recommended:

MATH	3110	Foundations of Logic with Applications
MATH	3320	Set Theory
MATH	3330	Abstract Algebra
MATH	3450	Real Analysis

Applied Math Concentration: (48 Credits)

The Applied Mathematics concentration is an interdisciplinary major that has applications to the physical sciences, statistics, medical research, biological research, environmental studies, economics, actuarial science, teaching operations research, management science, the behavioral and social sciences, education research, and computer science. The successful graduate will be prepared for employment in industry, government, commerce, or further graduate study.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3 CREDITS)

CHEM 2050 General Chemistry I (*The Natural World*)

LOWER-DIVISION REQUIREMENTS (21 CREDITS)

CHEM 2051 General Chemistry I Laboratory
CHEM 2052 General Chemistry II
CHEM 2053 General Chemistry II Laboratory
MATH 2007 Math across the Ages
MATH 2216 Calculus III
PHYS 2050 General Physics I
PHYS 2051 General Physics I Laboratory
PHYS 2052 General Physics II
PHYS 2053 General Physics II Laboratory

UPPER-DIVISION REQUIREMENTS (24 CREDITS)

MATH 3307 Differential Equations
MATH 3470 Applied Statistics
MATH 3500 Numerical Methods
MATH 4470 Methods of Applied Mathematics I
MATH 4471 Methods of Applied Mathematics II

Plus any *three* additional electives. The electives can be upper-division (3000- or 4000-level) MATH classes or MATH 2220, or electives may include up to two Natural Science or CSCI classes as approved by a faculty or academic advisor.

3-2 Engineering (Dual Degree) Math Concentration: (43 Credits)

The 3-2 Engineering concentration is the first portion of a five-year program leading to dual degrees in Applied Mathematics and Engineering. The 3-2 Engineering major will receive a well-rounded background in liberal arts and will have a solid foundation in both mathematics and science. The successful major will be fully prepared to continue engineering studies at either Washington University in St. Louis or the University of Southern California in Los Angeles.

The University of Southern California offers engineering degrees in Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Science, Electrical Engineering, Environmental Engineering, Industrial and Systems Engineering, Material Science and Engineering, Mechanical Engineering, and Petroleum Engineering.

Washington University offers engineering degrees in Chemical Engineering, Civil Engineering, Computer Science, Electrical Engineering, Engineering and Public Policy, Mechanical Engineering, and Systems Science and Mathematics.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3 CREDITS)

CHEM 2050 General Chemistry I

LOWER-DIVISION REQUIREMENTS (28 CREDITS)

CHEM 2051 General Chemistry I Laboratory
CHEM 2052 General Chemistry II
CHEM 2053 General Chemistry II Laboratory
ECON 2010 Principles of Microeconomics **or** ECON 2015 Principles of Macroeconomics
MATH 2216 Calculus III
PHYS 2050 General Physics I
PHYS 2051 General Physics I Laboratory
PHYS 2052 General Physics II
PHYS 2053 General Physics II Laboratory
PHYS 2054 General Physics III

UPPER-DIVISION REQUIREMENTS (12 CREDITS)

MATH	3307	Differential Equations
MATH	3470	Applied Statistics (Industrial and Systems Engineering)
MATH	3500	Numerical Methods
MATH	4470	Methods of Applied Mathematics I

ELECTIVES

There may be a significant core of course work depending on the engineering major being pursued. Students should clarify their engineering degree choice by the beginning of the second year at the latest and seek guidance from the 3-2 Engineering Program Coordinator. As an example: for Chemical Engineering, CHEM 3040 Quantitative Analysis and CHEM 3030 Organic Chemistry in addition to CHEM 3020 are highly recommended. Planning elective choices is essential to ensure students are as prepared as possible for their chosen field. Please consult with the program coordinator for more information.

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

**BACHELOR OF SCIENCE
MAJOR: OCEANOGRAPHY**

5 Concentrations: (General, Chemical, Mathematics, Fisheries, and Biological)

Total Credits Required: 120 Credits

The oceanography major is composed of a rigorous sequence of courses leading to the Bachelor of Science degree. Laboratory and field work take advantage of Hawai'i's oceanic setting and its wide variety of readily accessible marine environments, ranging from small, shallow estuaries to the deep ocean, only a few hours away. The university's 42-foot research vessel, *Kaholo*, is used extensively for advanced fieldwork. Oceanography is the interdisciplinary study of the global oceans, and includes the sub-disciplines of physical, chemical, geological, and biological oceanography. In addition, students can choose among several concentrations for more focused upper-division coursework in chemistry, mathematics, biology, or fisheries science. Completion of the oceanography major prepares students to enter careers in the marine and aquatic sciences in the private or public sectors, including research laboratories and government agencies. Potential career areas include: education and teaching, environmental analysis, marine policy, fisheries science and management, marine industries, and many others. Students wishing to pursue their studies at the graduate level also achieve the academic preparation to pursue a master's or doctoral degree in oceanography.

PROGRAM OBJECTIVES:

Students majoring in oceanography will:

- 1. Understand fundamental principles in the physical and biological sciences.*
- 2. Integrate scientific principles from chemistry, physics, geology, and biology to explain processes in the marine environment.*
- 3. Plan and implement observational and experimental studies of marine systems and analyze the data obtained from these studies using appropriate mathematical and statistical techniques.*
- 4. Communicate scientific ideas effectively in written and oral formats using appropriate computer applications for data analysis and presentation.*
- 5. Find and evaluate published information from a variety of printed and electronic sources.*
- 6. Use an interdisciplinary perspective to analyze complex problems and develop relevant questions pertaining to marine systems.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

CHEM	2050	General Chemistry I (<i>The Natural World</i>)
MATH	1123	Statistics (<i>Quantitative Analysis & Symbolic Reasoning</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (32-34 CREDITS)

BIOL	2050	General Biology I
BIOL	2051	General Biology I Laboratory
BIOL	2052	General Biology II
BIOL	2053	General Biology II Laboratory
CHEM	2051	General Chemistry I Laboratory
CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory
MARS	1020	Oceanographic Field Techniques
MATH	2214	Calculus I
MATH	2215	Calculus II

Complete one of the following series:

College Physics Series:

PHYS	2030	College Physics I
PHYS	2031	College Physics I Laboratory
PHYS	2052	General Physics II

PHYS 2053 General Physics II Laboratory

Or

General Physics series:*

PHYS 2050 General Physics I

PHYS 2051 General Physics I Laboratory

PHYS 2012 General Physics II

PHYS 2053 General Physics II Laboratory

**The General Physics series PHYS 2050–53, is recommended for students planning to attend graduate school)*

UPPER-DIVISION MAJOR REQUIREMENTS (10-12 CREDITS)

MARS 3000 General Oceanography I

MARS 3001 General Oceanography I Laboratory

MARS 3002 General Oceanography II

MARS 3003 General Oceanography II Laboratory

MARS 4920 Research Experience in Oceanography **or** MARS 4500 Marine Sciences Honors Seminar

MARS 4921 Oceanography Research Seminar

UPPER-DIVISION MAJOR ELECTIVES

Complete one of the following concentration area (Chemistry, Biology, Mathematics, or Fisheries Science), or select from the general electives list (General Option). Courses cannot “double-count” for major requirements, with the exception of those that count as General Education credits.

CHEMISTRY CONCENTRATION (23 CREDITS)

CHEM 3030 Organic Chemistry I

CHEM 3031 Organic Chemistry I Laboratory

CHEM 3032 Organic Chemistry II

CHEM 3033 Organic Chemistry II Laboratory

MARS 4070 Chemical Oceanography

Select two courses from the following:

MARS 4060 Geological Oceanography

MARS 4080 Physical Oceanography

MARS 4090 Biological Oceanography

Plus at least 6 credits from the following:

CHEM 3020 Chemical Thermodynamics and Kinetics

CHEM 3040 Quantitative Analysis

CHEM 3041 Quantitative Analysis Laboratory

CHEM 3050 Environmental Chemistry

CHEM 4030 Biochemistry I

CHEM 4031 Biochemistry I Laboratory

CHEM 4054 Aquatic Chemistry

CHEM 4950 Chemistry Practicum

GEOL 3040 Geochemistry

BIOLOGY CONCENTRATION (23-26 CREDITS)

BIOL 3080 Ecology

BIOL 3081 Ecology Laboratory

CHEM 3010 Fundamental Organic Chemistry **or** CHEM 3020/3032 Organic Chemistry I/II (The year-long series is recommended for students planning to attend graduate school).

MARS 4050 Marine Ecology **or** MARS 4090 Biological Oceanography

Select two courses from the following:

MARS 4060 Geological Oceanography

MARS 4070 Chemical Oceanography

MARS 4080 Physical Oceanography

Choose at least seven credits from the following courses, with at least three credits from each of the following two subject groups:

Group 1: Cellular and Molecular Biology

BIOL	3040	General Microbiology
BIOL	3041	General Microbiology Laboratory
BIOL	3050	Genetics
BIOL	3054	Evolutionary Genetics
BIOL	3170	Cell and Molecular Biology
BIOL	3171	Cell and Molecular Biology Laboratory
BIOL	4040	Environmental Microbiology
BIOL	4041	Environmental Microbiology Laboratory
CHEM	4030	Biochemistry I

Group 2: Organismal Biology & Ecology

BIOL	3010	Hawaiian Natural History
BIOL	3025	Algal Biology and Diversity Laboratory
BIOL	3030	Comparative Animal Physiology
BIOL	3031	Comparative Animal Physiology Laboratory
BIOL	3060	Marine Invertebrate Zoology
BIOL	3061	Marine Invertebrate Zoology Laboratory
BIOL	3070	Marine Vertebrate Zoology
BIOL	3071	Marine Vertebrate Zoology Laboratory
BIOL	4024	Algal Biology and Diversity
MARS	4030	Marine Mammal Biology
MARS	4031	Marine Mammal Biology Laboratory
MARS	4040	Seabird Ecology and Conservation
MARS	4050	Marine Ecology
MARS	4051	Marine Ecology Laboratory
MARS	4090	Biological Oceanography
MARS	4100	Marine Resource Management: Culture & Sustainability
MARS	4210	Marine Fisheries & Management
MARS	4400	Marine Conservation Biology

MATHEMATICS CONCENTRATION (24 CREDITS)

MARS	4080	Physical Oceanography
MATH	3305	Linear Algebra
MATH	3307	Differential Equations

Select two courses from the following:

MARS	4060	Geological Oceanography
MARS	4070	Chemical Oceanography
MARS	4090	Biological Oceanography

Plus nine credits from the following courses:

MATH	2216	Calculus III
MATH	3110	Foundations of Mathematical Logic and Application
MATH	3234	Cryptology
MATH	3301	Discrete Mathematics
MATH	3302	Elementary Number Theory
MATH	3316	Problem Solving
MATH	3450	Real Analysis
MATH	3460	Probability
MATH	3470	Applied Statistics
MATH	3500	Numerical Methods
MATH	4301	Combinatorics and Graph Theory
MATH	4450	Complex Analysis
MATH	4470	Methods of Applied Mathematics I
MATH	4471	Methods of Applied Mathematics II

FISHERIES SCIENCE CONCENTRATION (28 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3 CREDITS)

ECON	2010	Principles of Microeconomics (<i>Traditions & Movements that Shape the World</i>)
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UPPER-DIVISION CONCENTRATION REQUIREMENTS (25 CREDITS)

BIOL	3080	Ecology
BIOL	3081	Ecology Laboratory
ECON	3430	Environmental Economics
ENVS	3600	Natural Resources Management
MARS	4050	Marine Ecology
MARS	4210	Marine Fisheries and Management

Select one course from the following:

MARS	4060	Geological Oceanography
MARS	4070	Chemical Oceanography
MARS	4080	Physical Oceanography

Plus at least five credits from the following courses, with at least three credits from a fisheries-related course:

Fisheries-related courses:

BIOL	3070	Marine Vertebrate Zoology
MARS	4100	Marine Resource Management: Culture and Sustainability
MARS	4400	Marine Conservation Biology

Other Courses:

BIOL	3060	Marine Invertebrate Zoology
MARS	4030	Marine Mammal Biology
MARS	4040	Seabird Ecology and Conservation
MARS	4050	Marine Ecology
MARS	4051	Marine Ecology Laboratory
MARS	4090	Biological Oceanography

GENERAL OCEANOGRAPHY CONCENTRATION (23 CREDITS)

Select three courses from the following:

MARS	4060	Geological Oceanography
MARS	4070	Chemical Oceanography
MARS	4080	Physical Oceanography
MARS	4090	Biological Oceanography

Plus at least 14 credits from courses in the natural and computational sciences:

BIOL	3010	Hawaiian Natural History
BIOL	3025	Algal Biology and Diversity Laboratory
BIOL	3030	Comparative Animal Physiology
BIOL	3031	Comparative Animal Physiology Laboratory
BIOL	3040	General Microbiology
BIOL	3041	General Microbiology Laboratory
BIOL	3050	Genetics
BIOL	3054	Evolutionary Genetics
BIOL	3060	Marine Invertebrate Zoology
BIOL	3061	Marine Invertebrate Zoology Laboratory
BIOL	3070	Marine Vertebrate Zoology
BIOL	3071	Marine Vertebrate Zoology Laboratory
BIOL	3080	Ecology
BIOL	3081	Ecology Laboratory
BIOL	3170	Cell and Molecular Biology
BIOL	3171	Cell and Molecular Biology Laboratory
BIOL	4024	Algal Biology and Diversity
BIOL	4040	Environmental Microbiology
BIOL	4041	Environmental Microbiology Laboratory
BIOL	4090	Biometry
CHEM	3010	Fundamental Organic Chemistry

CHEM	3020	Chemical Thermodynamics and Kinetics
CHEM	3030	Organic Chemistry I
CHEM	3031	Organic Chemistry I Laboratory
CHEM	3032	Organic Chemistry II
CHEM	3033	Organic Chemistry II Laboratory
CHEM	3040	Quantitative Analysis
CHEM	3041	Quantitative Analysis Laboratory
CHEM	3050	Environmental Chemistry
CHEM	4030	Biochemistry I
CHEM	4031	Biochemistry I Laboratory
CHEM	4032	Biochemistry II
CHEM	4033	Biochemistry II Laboratory
CHEM	4054	Aquatic Chemistry
CSCI	3242	Modeling and Simulation
CSCI	3301	Database Technologies
ENVS	3010	Environmental Impact Analysis
ENVS	3030	Earth Systems and Global Change
ENVS	3600	Natural Resources Management
GEOL	4700	Geographic Information Systems
Any upper-division (3000-4000 level) GEOL course.		
Any upper-division (3000-4000 level) MARS course.		
Any upper-division (3000-4000 level) MATH course.		

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

COLLEGE OF PROFESSIONAL STUDIES



ASSOCIATE OF ARTS
MAJOR: GENERAL STUDIES
Total Credits Required: 60 Credits

Hawai'i Pacific University offers the Associate of Arts degree in General Studies to students enrolled through the College of Professional Studies upon completion of 60 credit hours of required and elective lower-division (1000- and/or 2000-level) courses. The AA in General Studies can be tailored to lead directly into most Bachelor programs. In the degree, students will complete coursework for all curriculum areas in the General Education Program and the remaining credits are taken as unrestricted electives.

PROGRAM OBJECTIVES

Students who earn the Associate of Arts in General Studies will:

- 1. Develop skills in writing, quantitative reasoning, critical thinking, group process, and communication so they can find, evaluate, and implement information effectively to solve problems.*
- 2. Explore diverse social and cultural viewpoints and gain knowledge about the historical, geographical, natural, technological and contemporary forces that impact and shape the world.*
- 3. Discern and assess the values that underlie various crucial positions, articulate their own values with coherence and integrity, and participate in community projects that bridge academia and the public good.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary, but students will need to earn enough college-level credits to reach a total of 60 credit hours.

ASSOCIATE OF SCIENCE
MAJOR: COMPUTER SCIENCE

Total Credits Required: 60 Credits

Hawai'i Pacific University offers the Associate of Science degree in Computer Science to students enrolled through the College of Professional Studies upon completion of 60 credit hours of required and elective lower-division (1000- and/or 2000-level courses). The AS in Computer Science leads directly into the Bachelor of Science in Computer Science degree program. In addition to offering classroom-based instruction, HPU makes the AS in Computer Science degree program available entirely online.

PROGRAM OBJECTIVES

Students who earn the Associate of Science in Computer Science will:

1. *Use spreadsheets for tabular data analyses and corresponding graphs.*
2. *Apply fundamental concepts of functions, relations, sets, and counting strategies in problem solving.*
3. *Demonstrate logic and proof techniques in solving problems in discrete mathematics.*
4. *Apply problem-solving techniques for developing algorithms and computer programs.*
5. *Demonstrate appropriate use of fundamental programming constructs and data types.*
6. *Apply complex data structures, abstraction, and object-oriented methodologies when developing software solutions for problems.*
7. *Create graphical user interfaces to interact with software users.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (18 CREDITS)

Students will complete one course in each of the following first-year General Education core curriculum areas:

1. Hawai'i & the Pacific
2. Quantitative Analysis & Symbolic Reasoning
3. Writing & Information Literacy I
4. Writing & Information Literacy II

In addition, students will take one course from at least two of the remaining General Education curricular areas:

5. The American Experience
6. Creative Arts
7. Critical Thinking & Expression
8. Global Crossroads & Diversity
9. The Natural World
10. The Sustainable World
11. Technology & Innovation
12. Traditions & Movements that Shape the World

For those students intending to continue onto a bachelor's degree, it is recommended they utilize their unrestricted electives to complete the remaining 6 courses of the General Education requirement.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6-9 CREDITS)

Quantitative Analysis & Symbolic Reasoning (*choose one option*)

MATH 1130 Pre-Calculus I and MATH 1140 Pre-Calculus II **or**

MATH 1150 Pre-Calculus I & II Accelerated

Complete one of the following:

CSCI 1041 Digital Literacy in a Global Society (*Technology & Innovation*)

CSCI 1061 Mobile Technologies for the 21st Century (*Technology & Innovation*)

CSCI 1534 Data Analysis and Visualization: the Good, the Bad, the Ugly (*Quantitative Analysis & Symbolic Reasoning*)

MAJOR REQUIREMENTS (25–27 CREDITS)

Complete one of the following:

CSCI 1611 Gentle Introduction to Computer Programming

CSCI 1911 Foundations of Programming

Complete all of the following:

CSCI 2301 Discrete Mathematics for Computer Science

CSCI 2911 Computer Science I

CSCI 2912 Computer Science II

CSCI 2913 Data Structures

CSCI 2916 Computer Science I Lab

Complete one of the following:

MATH 1123 Statistics

BIOL 2050+2051 General Biology I+Lab

CHEM 1020+1021 Introduction to Chemistry and the Environment+Lab

CHEM 2050+2051 General Chemistry I+Lab

ENVS 2000+2001 Principles of Environmental Science+Lab

MARS 2062+2063 Marine Biology+Lab

PHYS 2030+2031 College Physics I+Lab

PHYS 2050+2051 General Physics I+Lab

Complete two additional CSCI courses, 2000-level or higher

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 60 credit hours.

ASSOCIATE OF SCIENCE
MAJOR: CRIMINAL JUSTICE
Total Credits Required: 60 Credits

Hawai'i Pacific University offers the Associate of Science degree in Criminal Justice to students enrolled through the College of Professional Studies upon completion of 60 credit hours of required and elective lower-division (1000- and/or 2000-level) courses. The AS in Criminal Justice leads directly into the Bachelor of Science in Criminal Justice. In addition to offering classroom-based instruction, HPU makes the AS in Criminal Justice degree program available entirely online.

PROGRAM OBJECTIVES

Students who earn the Associate of Science in Criminal Justice will:

1. *Define the operation and purposes of the major components of the criminal justice system: police, courts, and corrections.*
2. *Develop oral and written skills that effectively articulate analysis of criminal justice research and apply solutions to a wide range of contemporary criminal justice issues.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (18 CREDITS)

Students will complete one course in each of the following first-year General Education core curriculum areas:

1. Hawai'i & the Pacific
2. Quantitative Analysis & Symbolic Reasoning
3. Writing & Information Literacy I
4. Writing & Information Literacy II

In addition, students will take one course from at least two of the remaining General Education curricular areas:

5. The American Experience
6. Creative Arts
7. Critical Thinking & Expression
8. Global Crossroads & Diversity
9. The Natural World
10. The Sustainable World
11. Technology & Innovation
12. Traditions & Movements that Shape the World

For those students intending to continue onto a bachelor's degree, it is recommended they utilize their unrestricted electives to complete the remaining 6 courses of the General Education requirement.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

PSCI	1400	American Political System (<i>The American Experience</i>)
PSY	1000	Introduction to Psychology (<i>Critical Thinking and Expression</i>)

LOWER-DIVISION MAJOR REQUIREMENTS

CJ	1000	Violence in American Society
CJ	1500	Cybersecurity
CJ	2050	Basic Criminology
CJ	2060	Justice Systems

Complete any two of the following:

HMLD	2000	Disaster Preparedness & Response
SOC	1000	Introduction to Sociology
SOC	2000	Social Problems & Policy

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 60 credit hours.

ASSOCIATE OF SCIENCE
MAJOR: CYBERSECURITY
Total Credits Required: 60 Credits

Hawai'i Pacific University offers the Associate of Science degree in Cybersecurity to students enrolled through College of Professional Studies (CPS) (Off-Campus/Military Campus Programs) upon completion of 60 semester hours of required and elective subjects. The AS in Cybersecurity will allow students to obtain the basic foundational goals in computer security and networking.

PROGRAM OBJECTIVES

Students who earn the Associate of Science in Cybersecurity will:

1. *Apply fundamental concepts of functions, relations, sets, and counting strategies in problems-solving to address data breaches including application, information, and network security.*
2. *Implement continuous network monitoring and provide real-time security solutions.*
3. *Develop solutions for networking and data security problems*
4. *Explain the concepts of confidentiality, availability, and integrity in information assurance.*

FOUNDATIONAL COURSES (0-11 CREDITS)

GENERAL EDUCATION COURSES (18 CREDITS)

Students will complete one course in each of the following first-year General Education core curriculum areas:

1. Hawai'i & the Pacific
2. Quantitative Analysis & Symbolic Reasoning
3. Writing & Information Literacy I
4. Writing & Information Literacy II

In addition, students will take one course from at least two of the remaining General Education curricular areas:

5. The American Experience
6. Creative Arts
7. Critical Thinking & Expression
8. Global Crossroads & Diversity
9. The Natural World
10. The Sustainable World
11. Technology & Innovation
12. Traditions & Movements that Shape the World

For those students intending to continue onto a bachelor's degree, it is recommended they utilize their unrestricted electives to complete the remaining 6 courses of the General Education requirement.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

MATH	1130	Pre-Calculus I (<i>Quantitative Analysis & Symbolic Reasoning</i>)
CSCI	1611	Gentle Introduction to Computer Programming (<i>Technology & Innovation</i>)

MAJOR REQUIREMENTS (19 CREDITS)

CJ	1500	Introduction to Cybersecurity
CSCI	2761	HTML and Web Design
CSCI	2911	Computer Science I
CSCI	2916	Computer Science I Lab
CYBS	2201	Fundamentals of Cybersecurity
CYBS	2202	Fundamentals of Network Security
CYBS	2203	Secure Programming

And any two of the following:

MATH	1123	Statistics
CSCI	1041	Digital Literacy and Global Society
CSCI	1061	Mobile Technologies for the 21st Century
CSCI	2301	Discrete Mathematics for Computer Science
CSCI	2912	Computer Science II

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 60 credit hours.

ASSOCIATE OF SCIENCE
MAJOR: HEALTH PROFESSIONS

Total Credits Required: 60 Credits

Hawai'i Pacific University offers the Associate of Science degree in Health Professions to students enrolled through the College of Professional Studies upon completion of 60 credit hours of required and elective lower-division (1000- and/or 2000-level) courses. The AS in Health Professions helps prepare students for health-related careers or further study in health care such as the BS in Nursing. In addition to offering classroom-based instruction, HPU makes the AS in Health Professions degree program available entirely online through Off-Campus/Military Campus Programs.

PROGRAM OBJECTIVES

Students who earn the Associate of Science in Health Professions will:

1. *Demonstrate the knowledge needed for entrance into, and success in, health profession schools in the fields of Nursing, Pre-Medicine, and Allied Health.*
2. *Synthesize a foundation of knowledge for a career in healthcare occupations.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (18 CREDITS)

Students will complete one course in each of the following first-year General Education core curriculum areas:

1. Hawai'i & the Pacific
2. Quantitative Analysis & Symbolic Reasoning
3. Writing & Information Literacy I
4. Writing & Information Literacy II

In addition, students will take one course from at least two of the remaining General Education curricular areas:

5. The American Experience
6. Creative Arts
7. Critical Thinking & Expression
8. Global Crossroads & Diversity
9. The Natural World
10. The Sustainable World
11. Technology & Innovation
12. Traditions & Movements that Shape the World

For those students intending to continue onto a bachelor's degree, it is recommended they utilize their unrestricted electives to complete the remaining 6 courses of the General Education requirement.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

PSY	1000	Introduction to Psychology (<i>Critical Thinking & Expression</i>)
CHEM	1000	Introduction to Chemistry (<i>The Natural World</i>)
MATH	1123	Statistics (<i>Quantitative Analysis & Symbolic Reasoning</i>)

MAJOR REQUIREMENTS (20 CREDITS)

BIOL	2030	Anatomy & Physiology I
BIOL	2031	Anatomy & Physiology I Laboratory
BIOL	2032	Anatomy & Physiology II
BIOL	2033	Anatomy & Physiology II Laboratory
BIOL	2040	Microbes & Human Health
CHEM	2030	Introduction to Organic Chemistry & Biochemistry

PH 2020 Human Disease

Complete one of the following:

BIOL 2010 Human Life Cycle

PH 2010 Drugs & Society

PH 2060 Comparative Healthcare Systems

PHYS 2030 College Physics I

PHYS 2050 General Physics I

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 60 credit hours.

ASSOCIATE OF SCIENCE
MAJOR: HOMELAND SECURITY

Total Credits Required: 60 Credits

The major is designed to prepare students for careers in homeland security and such law-related employers as federal, state, and local government and private sector law enforcement and security organizations. This program readies students for continued academic studies while leading directly into the Bachelors of Science in Diplomacy and Military Studies, Bachelor of Science in Criminal Justice, or the Bachelor of Arts in International Studies. This degree is conferred through the College of Professional Studies upon completion of 60 credit hours of required and elective lower-division (1000- and/or 2000-level) courses.

PROGRAM OBJECTIVES

Students who earn the Associate of Science in Homeland Security will:

1. *Apply the perspectives of political science, criminal justice and history to demonstrate mastery of Homeland Security.*
2. *Demonstrate understanding of key processes in Homeland Security issues and dilemmas.*
3. *Make use of critically reflective tools for interpreting pertinent historical, cultural, philosophical, and political aspects of Homeland Security.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (18 CREDITS)

Students will complete one course in each of the following first-year General Education core curriculum areas:

1. Hawai‘i & the Pacific
2. Quantitative Analysis & Symbolic Reasoning
3. Writing & Information Literacy I
4. Writing & Information Literacy II

In addition, students will take one course from at least two of the remaining General Education curricular areas:

5. The American Experience
6. Creative Arts
7. Critical Thinking & Expression
8. Global Crossroads & Diversity
9. The Natural World
10. The Sustainable World
11. Technology & Innovation
12. Traditions & Movements that Shape the World

For those students intending to continue onto a bachelor’s degree, it is recommended they utilize their unrestricted electives to complete the remaining 6 courses of the General Education requirement.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

HIST	1002	Global Crossroads: 1500-Present (<i>Global Crossroads & Diversity</i>)
PSCI	1400	American Politics (<i>The American Experience</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (21 CREDITS)

HIST	1402	Introduction to American History Since 1865
HMLD	1000	Introduction to Homeland Security
HMLD	2000	Disaster Preparedness & Response
HMLD	2100	Dimensions of Terrorism

HMLD 2900 Careers in Homeland Security

Complete one of the following:

CJ 1000 Violence in American Society

CJ 2000 Laws & Courts in World Cultures

Complete one of the following:

CJ 1500 Cybersecurity

CJ 2050 Basic Criminology

CJ 2060 Justice Systems

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 60 credit hours.

ASSOCIATE OF SCIENCE
MAJOR: MATHEMATICS
Total Credits Required: 60 Credits

Hawai'i Pacific University offers the Associate of Science degree in Mathematics to students enrolled through the College of Professional Studies upon completion of 60 credit hours of required and elective lower-division (1000- and/or 2000-level) courses. The AS in Mathematics provides a foundation for further studies directed towards a major or a minor in math or in a math-based discipline. In addition to offering classroom-based instruction, HPU makes the AS in Mathematics degree program available entirely online.

PROGRAM OBJECTIVES

Students who earn the Associate of Science in Mathematics will:

1. *Interpret and form inferences from mathematical constructs such as tables, formulas, and graphs.*
2. *Represent mathematical information symbolically, visually, numerically, and verbally.*
3. *Apply mathematical techniques toward solving quantitative problems in mathematics, statistics, and in other math-based disciplines.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (18 CREDITS)

Students will complete one course in each of the following first-year General Education core curriculum areas:

1. Hawai'i & the Pacific
2. Quantitative Analysis & Symbolic Reasoning
3. Writing & Information Literacy I
4. Writing & Information Literacy II

In addition, students will take one course from at least two of the remaining General Education curricular areas:

5. The American Experience
6. Creative Arts
7. Critical Thinking & Expression
8. Global Crossroads & Diversity
9. The Natural World
10. The Sustainable World
11. Technology & Innovation
12. Traditions & Movements that Shape the World

For those students intending to continue onto a bachelor's degree, it is recommended they utilize their unrestricted electives to complete the remaining 6 courses of the General Education requirement.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (3-6 CREDITS)

Quantitative Analysis & Symbolic Reasoning (*one of the following*)

- | | | |
|------|------|---------------------|
| MATH | 1130 | Pre-Calculus I |
| MATH | 1140 | Pre-Calculus II |
| MATH | 1150 | Pre-Calculus I & II |
| MATH | 1123 | Statistics |

Technology & Innovation (*one of the following*)

- | | | |
|------|------|---|
| CSCI | 1611 | Gentle Introduction to Computer Programming |
| MATH | 1234 | Introduction to Cryptology |

MAJOR REQUIEMENTS (25-28 CREDITS)

Choose either

MATH 1130 and MATH 1140 Pre-Calculus I and Pre-Calculus II **or**

MATH 1150 Pre-Calculus I & II Accelerated

Complete all of the following

CSCI 2911 Computer Science I

CSCI 2916 Computer Science I Lab

MATH 1123 Statistics

MATH 2214 Calculus I

MATH 2215 Calculus II

Complete three of the following:

CSCI 1611 Gentle Introduction to Programming

CSCI 1911 Foundations of Programming

CSCI 2301 Discrete Math for Computer Science

MATH 2216 Calculus III

MATH 2326 Decision Making

MATH 1234 Introduction to Cryptology

UNRESTRICTED ELECTIVES (14-17 CREDITS)

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 60 credit hours.

ASSOCIATE OF SCIENCE
MAJOR: SUPERVISORY LEADERSHIP

Total Credits Required: 60 Credits

This major offers the student an introduction to the study of leadership. It will incorporate an examination of the theories of leadership, its styles, traits, and myths, including the major processes underlying human behavior. Students will explore the nature and responsibilities of the supervisor-as-leader and will cover tools for decisions making and career skills involving both personal planning and interpersonal relations, such as time management, goal setting, assertiveness, and networking. Application of military training and experience to this program will be based on the credit recommendations provided by the American Council on Education (ACE). The Associate of Science degree is conferred through the College of Professional Studies upon completion of the 60 credit hours of required and elective lower-division (1000- and/or 2000-level) courses.

PROGRAM OBJECTIVES

Students who earn the Associate of Science in Supervisory Leadership will:

1. *Explain the use of motivational theories and principles in leading employees.*
2. *Describe the functions and responsibilities of supervisors as leaders.*
3. *Demonstrate the functions of a team as a constructive member and as its leader.*

FOUNDATIONAL COURSES (–11 CREDITS)

GENERAL EDUCATION COURSES (18 CREDITS)

Students will complete one course in each of the following first-year General Education core curriculum areas:

1. Hawai‘i & the Pacific
2. Quantitative Analysis & Symbolic Reasoning
3. Writing & Information Literacy I
4. Writing & Information Literacy II

In addition, students will take one course from at least two of the remaining General Education curricular areas:

5. The American Experience
6. Creative Arts
7. Critical Thinking & Expression
8. Global Crossroads & Diversity
9. The Natural World
10. The Sustainable World
11. Technology & Innovation
12. Traditions & Movements that Shape the World

For those students intending to continue onto a bachelor’s degree, it is recommended they utilize their unrestricted electives to complete the remaining 6 courses of the General Education requirement.

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (12 CREDITS)

COM	1000	Introduction to Communication Skills (<i>Critical Thinking & Expression</i>)
CSCI	1041	Digital Literacy in a Global Society (<i>Technology & Innovation</i>)
PSCI	1400	American Politics (<i>The American Experience</i>) or PADM 1000 Introduction to Leadership in America (<i>The American Experience</i>)
PSCI	2000	Introduction to Politics (<i>Traditions & Movements that Shape the World</i>)

MAJOR REQUIREMENTS (9-12 CREDITS)

HRD	1000	Introduction to Human Resource Development
HRD	2000	Integrated Talent Management
PADM	1000	Introduction to Leadership
PADM	2000	Supervisory Leadership

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 60 credit hours.

BACHELOR IN PUBLIC ADMINISTRATION

Total Credits Required: 120 Credits

The Public Administration degree at Hawai'i Pacific University is a comprehensive study of the organization of governments, their policies, programs, and the behaviors of public servants. The degree includes preparation to serve as managers in local, state, and federal government, focusing on the formal study of executive management and institutional structure. Graduates with the Bachelor in Public Administration will be able to better compete for careers in government and in the non-profit sector.

PROGRAM OBJECTIVES

The Bachelor in Public Administration will:

1. *Ensure that students are able to identify problems or objectives associated with public administration issues, collect and analyze evidence in support of those problems or objectives, assess assumptions, and define relevant individual perspectives.*
2. *Facilitate student communication both in writing and orally and in individual and team presentations such that their thought and feeling are synthesized relevantly, effectively, and clearly, and persuasively communicate their perspectives through written language and oral communication.*
3. *Confirm that students can interpret, calculate, analyze, and interpret quantitative information using mathematical, statistical and/or reasoning to solve complex problems.*
4. *Utilize motivational theories and principles for leading employees to include performance evaluations, counseling and career development, grievance, and disciplinary procedures.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9 CREDITS)

MATH	1123	Statistics (<i>Quantitative Analysis & Symbolic Reasoning</i>)
PADM	1000	Introduction to Leadership in America (<i>The American Experience</i>) or PSCI 1400 American Political System (<i>The American Experience</i>)
PSCI	2000	Introduction to Politics (<i>Traditions & Movements that Shape the World</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (12 CREDITS)

HRD	1000	Introduction to Human Resource Development
HRD	2000	Integrated Talent Management
PADM	1000	Introduction to Leadership in America
PADM	2000	Supervisory Leadership

UPPER-DIVISION MAJOR REQUIREMENTS (36 CREDITS)

CJ	3000	Ethics and Justice
LAW	3710	Administrative Law
PADM	3000	Analytical Techniques and Methods
PADM	3300	Public Policy
PADM	3400	Public Personnel Administration
PADM	3500	Public Finance and Budgeting
PADM	3600	Non-Profit Management
PADM	3700	Urban Governance
PSCI	3200	Public Administration
PSCI	3415	State and Local Government

Plus two electives from the following:

ANTH	3350	Diversity in the Workplace
CJ	3990	Nonpaid Internship
CJ	3991	Paid Internship
COM	3420	Business Communication
HIST	3441	U.S. History since World War II

HRD	3300	Human Resource Development Project Management
HRD	3400	Organizational Staffing
PSY	3120	Group Dynamics in Organizations
SOC	3380	Cross-Cultural Relations

CAPSTONE REQUIREMENT (3 CREDITS)

PADM	4000	Strategic Planning for Government Organizations
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UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: HUMAN RESOURCE DEVELOPMENT

Total Credits Required: 120 Credits

Human Resource Development (HRD) is the strategic and integrated use of training and development, organizational development, and other talent management activities to improve individual and from the Association for Talent Development, the Academy of Human Resource Development, and the Society for Human Resource Management. The program focuses on the development of student knowledge and capabilities in the following nine competency areas:

1. Strategic Talent Management
2. Instructional Design
3. Training Delivery
4. E-learning and Learning Technologies
5. Measurement, Evaluation, and Analytics
6. Organizational Development
7. Organizational Leadership
8. Organizational Staffing
9. Project Management

PROGRAM OBJECTIVES

Upon completion of the program students who major in human resource development will be able to:

1. *Describe, design, recommend, and evaluate training and development activities aimed at increasing the performance of individuals or groups in organizational setting.*
2. *Describe, design, recommend, and evaluate organizational development activities based on behavioral science that are aimed at increasing the effectiveness of organizations.*
3. *Describe, design, recommend, and evaluate talent management strategies or systems to attract, utilize, and retain people with the skills and aptitude required to meet organizational goals.*
4. *Develop a holistic perspective of HRD activities by creating an HRD project aligned with the strategic business objectives of an organization.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (9CREDITS)

MATH	1123	Statistics (<i>Quantitative Analysis & Symbolic Reasoning</i>)
PADM	1000	Introduction to Leadership in America (<i>The American Experience</i>)
PSY	1000	Introduction to Psychology (<i>Critical Thinking & Expression</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (6 CREDITS)

HRD	1000	Introduction to Human Resource Development
HRD	2000	Integrated Talent Management

UPPER-DIVISION MAJOR REQUIREMENTS (30 CREDITS)

CJ	3000	Ethics and Justice
HRD	3100	Principles of Instructional Design
HRD	3110	Training Methods, Delivery, and Evaluation
HRD	3120	E-Learning and Learning Technologies
HRD	3300	Human Resource Development Project Management
HRD	3400	Organizational Staffing
HRD	4000	HRD Career Development Capstone
PADM	3000	Analytical Techniques and Methods

PADM	3400	Public Personnel Administration
PSY	3120	Group Dynamics in Organizations

UPPER-DIVISION MAJOR ELECTIVE REQUIREMENTS (6 CREDITS)

Complete two courses from the following:

ANTH	3350	Diversity in the Workplace
COM	3350	Team Building
COM	3420	Business Communication
PADM	3600	Non-Profit Management
PSY	3121	Applications of Psychology to Management
PSY	3122	Industrial and Organizational Psychology

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF ARTS
MAJOR: INDIVIDUALIZED
Total Credits Required: 120 Credits

PROGRAM DESCRIPTION

An Individualized Major that allows students to create a major that is not otherwise offered at Hawai'i Pacific University. Individualized Majors may contribute to Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degrees. Students may propose American Council on Education (ACE) credit recommendations, internships, fieldwork, research, or study abroad in collaboration with coursework to satisfy degree completion.

All Individualized Majors require a formal written proposal endorsed by a faculty member, academic advisor, program chair and the appropriate dean. The proposal must demonstrate a coherent theme with academic merit from two or more disciplines. Students must be in good academic standing, have a minimum grade point average of 2.0, and have third semester standing or higher to be eligible for proposing an Individualized Major.

See a College of Professional Studies academic advisor or the Individualized Major Program Chair for proposal instructions.

PROGRAM LEARNING OBJECTIVES

1. Demonstrate the ability to be a self-directed learner by determining individual academic objectives, forming a plan for execution, and evaluating the resulting learning.
2. Explain issues, analyze evidence, assess assumptions, define one's own perspectives and positions, and present the implications and consequences of conclusions in an individualized major area.
3. Show proficiency with information literacy while accomplishing research relevant to the industry, government, or research area in which one is working.
4. Be able to effectively communicate in writing and speech applicable to situations common in academic settings, workplaces, or leadership positions.
5. Integrate coursework, knowledge, skills, and experiential learning that demonstrates a broad mastery or learning across one's individualized curriculum for further career advancement.

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION REQUIREMENTS (36 CREDITS)

OVERLAPPING GENERAL EDUCATION AND LOWER-DIVISION COURSES (0–12 CREDITS)

LOWER-DIVISION MAJOR REQUIREMENTS (6–18 CREDITS)

Articulated in the student's proposal in coordination with a faculty member, academic advisor, program chair, and the appropriate dean, these should be courses number at the 1000- and 2000- level with are relevant to the particular focus of the individualized major and/or are pre-requisites for the chosen upper-division courses. If any of the listed courses also fulfill General Education requirements, students may count up to 12 credits for such courses in both places.

Modern Language Requirements (8 credits). Two semesters of the same language or demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION MAJOR REQUIREMENTS (36-51 CREDITS)

Articulated in the student's proposal in coordination with a faculty member, academic advisor, program chair and the appropriate dean, these courses should be numbered at the 3000- or 4000-level.

Students are encouraged but not required to take at least three credits in INDV elective internship courses. A maximum of 6 internship credit hours can be applied to degree completion:

INDV	3990	Non-paid Internship (1–6 Credits)
INDV	3991	Paid Internship (1–6 Credits)

Required Capstone (3 Credits):

INDV	4900	Individualized Major Capstone (3 Credits)
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UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the general education requirements and the major requirements and the number of credits required by the individualized program. Students will need to earn enough college-level credits to reach a total of 120 credits with 36 Upper-division credits, at least 12 upper-division credits taken at HPU in the major, and at least 30 credits taken at HPU.

BACHELOR OF EDUCATION
MAJOR: ELEMENTARY EDUCATION

Total Credits Required: 120 Credits

The HPU School of Education provides a bachelor's degree program in elementary education that prepares candidates for licensing in Hawai'i and 49 other states in grades K–6.

Guided by a profound belief in active, collaborative, experiential, reflective, and transformative learning as well as a deep commitment to diversity and educational technology, this degree program is based on an innovative, inquiry-oriented, standards driven, field-based curriculum that integrates content and pedagogy and employs an electronic direct response folio assessment system to evaluate the teacher candidate's progress toward achieving professional standards. In addition, HPU provides teacher candidates with cutting-edge course web page technology tools and access to online periodical databases in education.

University faculty members, mentor teachers, and principals join in a unique partnership to deliver an innovative curriculum that has been designed to develop professional educators who are reflective practitioners dedicated to the scholarship of teaching and learning and school renewal.

PROGRAM OBJECTIVES

Students who complete the Bachelor of Education in Elementary Education will:

- 1. Understand how learners grow and develop, recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas and design and implement developmentally appropriate and challenging learning experiences.*
- 2. Use an understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments, which enable each learner to meet high standards.*
- 3. Work with others to create environments that support individual and collaborative learning and encourage positive social interaction, active engagement in learning, and self-motivation.*
- 4. Understand the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and create learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content.*
- 5. Understand how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.*
- 6. Understand and use multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making.*
- 7. Plan instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context.*
- 8. Understand and use a variety of instructional strategies to encourage learners to develop a deep understanding of content areas and their connections and to build skills to apply knowledge in meaningful ways.*
- 9. Engage in ongoing professional learning and use evidence to continually evaluate his or her practice, particularly the effects of their choices and actions on others (learners, families, other professionals, and the community), and adapt practice to meet the needs of each learner.*
- 10. Seek appropriate leadership roles and opportunities to take responsibility for student learning and collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth, and to advance the profession.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

LOWER-DIVISION MODERN LANGUAGE REQUIREMENTS (8 CREDITS)

Two semesters of the same language, **or** demonstrated proficiency at second-semester level of an approved language.

UPPER-DIVISION MAJOR REQUIREMENTS

ED	3000	Foundations of American Education
ED	3040	Mathematics Concepts for Elementary Teachers
ED	3100	Child and Adolescent Development for Educators
ED	3200	Education Research and Writing
ED	3300	Introduction to Teaching
ED	3310	Foundations of Culturally Based Education in Hawai'i
ED	3420	Language Arts for Elementary Education
ED	3421	Reading for Elementary Education
ED	3430	Foundations of English Language Learning
ED	3440	Mathematics for Elementary Education
ED	3450	Science for Elementary Education
ED	3460	Social Studies for Elementary Education
ED	3500	Service Learning in Elementary Education
ED	3600	Foundations of Special Education
ED	4510	Elementary Clinical Experience Seminar
ED	4511	Elementary Clinical Experience I
ED	4512	Elementary Clinical Experience II

UNRESTRICTED ELECTIVES

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.

BACHELOR OF SCIENCE
MAJOR: CRIMINAL JUSTICE
Total Credits Required: 120 Credits

This major is designed to prepare students for jobs and careers in law and other-related fields at the federal, state, and local levels. The program covers theoretically-based criminology and practice-based criminal justice programs. Areas of study cover the theoretical aspect of criminal behavior, as well as practical application of skills to the criminal justice field. The faculty members teaching criminal justice courses represent a broad spectrum of academic disciplines, including law, law enforcement, psychology, sociology, and administration of criminal justice. The curriculum is designed to expose the students to all areas of the criminal justice field and develop skills applicable to future employment.

PROGRAM OBJECTIVES:

Students who major in Criminal Justice will:

1. *Critically analyze the criminal justice system and its aims and objectives.*
2. *Apply their knowledge to evaluate and analyze the causes, consequences and responses to crime and its interrelatedness to a broad range of criminal justice applications.*
3. *Define the operation and purposes of the major components of the criminal justice system: police, courts, and corrections.*
4. *Demonstrate effective problem-solving skills through creating practical solutions to contemporary issues identified through the study of the processes of national and global criminal justice systems.*
5. *Develop oral and written skills that effectively articulate analysis of criminal justice research and apply solutions to a wide range of contemporary criminal justice issues.*

FOUNDATIONAL COURSES (0–11 CREDITS)

GENERAL EDUCATION COURSES (36 CREDITS)

OVERLAPPING GENERAL EDUCATION & LOWER-DIVISION COURSES (6 CREDITS)

PSCI	1400	American Political System (<i>The American Experience</i>)
PSY	1000	Introduction to Psychology (<i>Critical Thinking & Expression</i>)

LOWER-DIVISION MAJOR REQUIREMENTS (18 CREDITS)

CJ	1000	Violence in American Society
CJ	1500	Cybersecurity
CJ	2050	Basic Criminology
CJ	2060	Justice Systems

Plus any two of the following:

HMLD	2000	Disaster Preparedness and Response
SOC	1000	Introduction to Sociology
SOC	2000	Social Problems and Policy

UPPER-DIVISION MAJOR REQUIREMENTS (21 CREDITS)

CJ	3000	Ethics and Justice
CJ	3070	Justice Management
CJ	3300	Criminal Procedures
CJ	3320	Corrections: Processes and Programs
CJ	3500	Criminal Law
CJ	3550	Crime Scene Investigation: Theories and Practices
SOC	3100	Methods of Inquiry

UPPER-DIVISION ELECTIVE REQUIREMENTS (12 CREDITS)

Four additional upper-division courses chosen from:

CJ	3310	Law Enforcement: Contemporary Issues
CJ	3510	Crime Victims and Justice
CJ	3520	Drug Abuse and Justice

CJ	3530	Juvenile Deviancy and Justice
CJ	3600	Special Topics
LAW	3410	Constitutional Law

CAPSTONE (3 CREDITS)

CJ	4900	Seminar in Criminal Justice
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UNRESTRICTED ELECTIVES:

The number of unrestricted elective credits needed will vary depending on the number of credits that overlap between the General Education requirements and the major requirements, but students will need to earn enough college-level credits to reach a total of 120 credits.



OTHER UNDERGRADUATE PROGRAMS

Residential Honors Program

Study Abroad and Student Exchange Programs

Concurrent Enrollment



RESIDENTIAL HONORS PROGRAM

Mission

Hawai'i Pacific University is committed to academic excellence and to supporting new generations of global leaders. The HPU Honors Program provides students with a challenging, engaging, and rigorous curriculum designed to nurture integrated thinking and problem solving. Small classes, international academic experiences, and opportunities to pursue independent research under the guidance of dedicated faculty, create an enhanced living and learning environment for exceptional students.

A Collegial Cohort Experience

The Residential Honors Program is designed as a cohort living and learning experience. Honors students will reside together through their sophomore year and will take a series of common honors seminars through their junior year.

Student Learning Outcomes

All coursework and extra- and co-curricular activities in the Honors Program will address one or more of these outcomes:

1. **Investigation**—Practice the systematic process of exploring an issue, object, or work through the collection and analysis of evidence, resulting in informed conclusions or judgments.
2. **Integration**—Develop the ability to integrate, evaluate, and apply knowledge from a variety of disciplines and sources.
3. **Intentionality**—Demonstrate the purposeful ability to transfer skills, theories, or methods to problem solving inside and outside the classroom.
4. **Initiative**—Cultivate and demonstrate leadership skills, work effectively in teams, and demonstrate self-leadership within the honors experience and in the wider community.

Course of Study

Students take 25–29 credits of honors courses over a four-year period. Honors students are exempted from General Education classes, save where those classes constitute a part of the student's major. Seminars are small, interdisciplinary, and team-taught by honors faculty from across the university. The seminars are designed to promote integrative thinking and problem solving and culminate in a senior project which can be conducted within the honors program or within the major. Topics for seminars will vary.

Freshman Honors Seminars

Freshman seminars introduce students to the college honors experience, higher learning, and a sense of place.

HON 1000 Freshman Honors Seminar I: Beginning Honors

This seminar introduces students to the college, and honors program, experience. Through an investigation of specific topics, the course is designed to orient students to higher-level academic work and to examine the relationship of the life of the mind to the world outside college. All honors students must take this course in the fall of their freshman year. (4 credits)

HON 1100 Freshman Honors Seminar II: Exploring Hawai'i and the Pacific

Through an interdisciplinary seminar, students will deepen their understanding of Hawai'i and the Pacific region. Emphasis in this course is on direct involvement with the Hawai'i and the Pacific community/environment, experiential learning, and the transfer of theory to problem solving outside the classroom. All honors students must take this course in the spring of their freshman year. (4 credits)

Sophomore Honors Seminars

Sophomore seminars are designed to build upon the critical reading and writing skills developed in freshman seminars. The seminars develop the skills necessary for advanced honors-level work, particularly integration of multidisciplinary approaches to problem solving and understanding.

HON 2000 Sophomore Honors Seminar I

This interdisciplinary seminar is specifically targeted to develop important analytical skills through the practice of quantitative analysis and formal symbolic reasoning. Courses focus on the presentation and evaluation of evidence and argument and the understanding of the use and misuse of data. All honors students must take this course in the fall of their sophomore year. (4 credits)

HON 2100 Sophomore Honors Seminar II

Honors 2100 takes skills developed in freshman honors courses and applies them in an interdisciplinary analysis of critical and enduring issues. Students will grapple with important texts and ideas which require careful analysis and reflection. Courses are team taught by faculty from differing disciplines and topics will vary depending upon the instructors. All honors students must take this course in the spring of their sophomore year. (4 credits)

HON 2200 Sophomore Honors Seminar III

Honors 2200 takes skills developed in freshman honors courses and applies them in an interdisciplinary analysis of critical and enduring issues. Students will grapple with important texts and ideas which require careful analysis and reflection. Courses are team taught by faculty from differing disciplines and topics will vary depending upon the instructors. This course is taken as a companion course to HON 2100 and must be taken in the spring of the sophomore year. (4 credits)

HON 3000 Junior Honors Colloquium

Through a multidisciplinary engagement with a specific topic and through the presentations of guest speakers, the colloquium builds the skills necessary to the research process; it prepares the students for the tasks they will encounter in their senior year as they embark upon their senior project. All students must take this colloquium in their junior year. (3 credits)

HON 4900 & 4901 Seniors Honors Project

All honors students are required to complete a senior honors project. This may be undertaken within the major or within the honors program. As a culminating experience, all honors students make an oral presentation and discussion of their project. (2–6 credits)

Admission to the Honors Program

Admission to the Honors Program at HPU is based upon academic achievement and potential. Students may be admitted into the Honors Program by invitation or application. The Honors Program seeks students majoring in any academic discipline who are:

- Seeking a unique honors experience in a multi-cultural environment
- Committed to excellence both within and outside the classroom
- Potential global leaders who wish to develop further leadership skills
- Entrepreneurial and creative thinkers
- Curious, inquisitive, and self-directed learners
- Demonstrate commitment to academic excellence and co- and extra-curricular enrichment

Students will be required to submit an essay(s) as part of the application and acceptance process. The Residential Honors Program is designed for first-time, full-time freshmen only.

To Remain in Good Standing, Honors Students Are Required To:

- Maintain a 3.0 cumulative GPA through their freshman year
- Maintain a 3.4 cumulative GPA through their sophomore, junior, and senior years
- Complete all required HON courses
- Abide by the Residential Honors Student Code of Conduct
- Attend all mandated co- and extra-curricular events

For more information about the Residential Honors Program, please contact Dr. Michael A. Erickson, Ph.D., Interim Director of Honors Programs, at honors@hpu.edu and visit www.hpu.edu/academics/programs-and-resources/res-honors.html.

STUDY ABROAD AND STUDENT EXCHANGE PROGRAMS

Hawai'i Pacific University, as part of its emphasis on international education and global citizenship, offers degree-seeking students opportunities to complement their HPU experience by participating in Study Abroad programs in more than 70 different countries. There are over 400 program options to choose from where students can fill their degree requirements while pursuing internships, taking classes, or conducting field research abroad. Students can use their federal financial aid on any approved Study Abroad program, plus there are additional scholarships and funding available specifically to help students study abroad. For more information, please visit www.hpu.edu/study-abroad or contact the Office of International Exchange and Study Abroad Programs at studyabroad@hpu.edu.

Student Exchange Program

Hawai'i Pacific University offers undergraduate and graduate students opportunities to study at foreign partner universities through the Student Exchange Program. Credits earned abroad are applied to one's HPU degree program through enrollment in various SE (Student Exchange) courses. Generally, undergraduate exchange students enroll in 15 credits of SE courses each semester or in 3–6 credits during the summer. Graduate students enroll in 3–12 credits of SE courses, depending upon the total number of courses selected during a semester. Graduate summer exchange program students enroll in SE 6020 and/or SE 6022. Exchange students pay HPU tuition and are officially registered at the university while studying abroad. Descriptions of student exchange partner universities and courses offered are on the HPU internet site, under “Student Exchange Program.”

Undergraduate Student Exchange (SE) Courses:

Fall Semester: SE 3000, 3002, 3004, 3006, 3008

Spring Semester: SE 3001, 3003, 3005, 3007, 3009

Summer Sessions: SE 3020, 3022

Graduate Student Exchange (SE) Courses:

Fall Semester: SE 6000, 6002, 6004, 6006

Spring Semester: SE 6001, 6003, 6005, 6007

Summer Sessions: SE 6020, 6022

CONCURRENT ENROLLMENT

HPU's Concurrent Enrollment allows students to enroll in graduate courses while pursuing a baccalaureate degree. Concurrent Enrollment is only available to current HPU undergraduate students who meet the following criteria:

1. Have 90 credits towards their declared baccalaureate degree (including current term and transfer credits).
2. Have a cumulative HPU GPA of at least 3.00 on a minimum of 15 earned HPU credits.
3. Obtain approval from their undergraduate academic advisor, graduate faculty advisor, and undergraduate department chair.

NOTE: Individual programs may have additional requirements. Please see an academic advisor for details.

Eligible HPU undergraduate students who are currently pursuing a baccalaureate degree may be granted authorization to enroll in one or more approved graduate courses while still an undergraduate. These courses may be used toward a graduate program with certain restrictions:

1. The student must begin a graduate degree or certificate program at Hawai'i Pacific University within one year of completing his or her undergraduate degree in order for credits to apply toward a graduate degree.
2. A maximum of 12 graduate credits taken as an undergraduate may apply toward the student's baccalaureate degree **and** a master's degree at HPU.

3. A maximum of 6 graduate credits taken as an undergraduate may apply toward a graduate certificate.

For more information, students should consult with their academic advisor.

MINORS



MINORS

Besides enrolling in a major, students are encouraged to consider one of the many minors of study that are available at Hawai'i Pacific University. A minor program of study encompasses completion of selected courses that are fewer in number and less comprehensive than a major. At least 12 credit hours in the minor field must be taken in addition to coursework in the major. All students must complete a minimum of six credits of minor coursework in residence with HPU in order to be awarded a minor. Although the minor is not listed on the diploma, it is listed on the transcript, provided that the student has completed all necessary coursework and the degree has been conferred. Minors must be identified prior to degree conferral. Students may not add minor courses of study to degree programs that have already been completed and conferred on the original transcript.

ACCOUNTING

Five upper-division courses beyond ACCT 2010:

ACCT	3000	Intermediate Accounting I
ACCT	3010	Intermediate Accounting II
ACCT	3020	Intermediate Accounting III
ACCT	3200	Managerial Accounting
ACCT	4100	Auditing

AMERICAN STUDIES

Six courses (18 credits) from at least three different alphas.

Two courses from the General Education American Experience category (one of which will also meet that requirement):

AMST	2000	Topics in American Studies (repeatable)
HIST	1401	American Stories: Themes in American History to 1877
HIST	1402	The American Experience, 1865 to the Present
HUM	1270	Introduction to Gender and Women's Studies
PADM	1000	Introduction to Leadership in America
PHIL	2500	Ethics in America
PSCI	1400	American Political System
SOC	1000	Introduction to Sociology

(AMST 2000 may be used twice to meet this requirement only if there is a different topic each time.)

Four courses from the following list, with at least two different alphas:

ENG	3122	American Literature After 1800
ENG	3202	Literature of Slavery
ENG	3224	Ethnic Literature
ENG	3252	20 th -Century American Women Writers of Color
HIST	3411	U.S.: Jackson to Civil War
HIST	3414	"Untied States:” Race and Ethnicity in American History
HIST	3441	U.S. History Since WWII
HIST	3470	Women in America
HIST	3666	U.S. Military History
HIST	3676	U.S. Diplomatic History
INTR	3940	Contemporary Nations: USA
PSCI	3401	Issues in American Politics
PSCI	3411	The United States Presidency
PSCI	3412	American Foreign Policy
PSCI	3413	Constitutional Law
PSCI	3415	State and Local Government

PSCI	3416	Elections in Hawai'i
PSCI	3430	America: Images from Abroad

ART HISTORY

Students are required to take:

ARTH 2301 Topics in World Art History

Plus 4 upper-division courses, at least one from each category below:

Tribal

ARTH	3551	Art of the Pacific
ARTH	3552	Art of Polynesia
ARTH	3556	Art of Hawai'i

Asia

ARTH	3301	Art of China
ARTH	3321	Art of Japan
ARTH	3351	Art of India and Southeast Asia

Western

ARTH	3206	Renaissance to Modern Art
ARTH	3611	Art and the Human Body
ARTS	3051	Photography

BIOLOGY

Nine courses totaling at least 21 credits, including at least three upper-division lecture and two upper-division laboratory courses. At least four of these courses (lecture or lab) must be outside the requirements for the student's major.

LOWER-DIVISION REQUIREMENTS (10 CREDITS):

A grade of "C" or better in this General Biology series is a prerequisite for all upper-division courses.

BIOL	2050	General Biology I
BIOL	2051	General Biology I Lab
BIOL	2052	General Biology II
BIOL	2053	General Biology II Lab

UPPER-DIVISION REQUIREMENTS (11 CREDITS):

One lecture course from each of the following three subject groups, and two laboratory courses from any two groups, must be completed. Although some courses are listed in more than one group, each course can count towards completion of only one subject group for the minor.

Group 1: Cellular and Molecular Biology

BIOL	3040	General Microbiology
BIOL	3041	General Microbiology Lab
BIOL	3050	Genetics
BIOL	3170	Cell and Molecular Biology
BIOL	3171	Cell and Molecular Biology Lab
BIOL	4040	Environmental Microbiology
BIOL	4041	Environmental Microbiology Lab
CHEM	4030	Biochemistry I
CHEM	4031	Biochemistry I Lab

Group 2: Organismal Biology

BIOL	3020	Plant Biology
BIOL	3021	Plant Biology Lab
BIOL	3030	Comparative Animal Physiology
BIOL	3031	Comparative Animal Physiology Lab
BIOL	3034	Human Physiology
BIOL	3036	Human Anatomy
BIOL	3060	Marine Invertebrate Zoology
BIOL	3061	Marine Invertebrate Zoology Lab

BIOL	3070	Marine Vertebrate Zoology
BIOL	3071	Marine Vertebrate Zoology Lab

Group 3: Ecology and Evolution

BIOL	3010	Hawaiian Natural History
BIOL	3020	Plant Biology
BIOL	3021	Plant Biology Lab
BIOL	3054	Evolutionary Genetics
BIOL	3080	Ecology
BIOL	3081	Ecology Lab
BIOL	4040	Environmental Microbiology
BIOL	4041	Environmental Microbiology Lab
MARS	4050	Marine Ecology
MARS	4051	Marine Ecology Lab

BUSINESS ECONOMICS

Four upper-division courses beyond ECON 2010 and 2015:

ECON	3010	Intermediate Microeconomics or ECON 3020 Managerial Economics
ECON	3015	Intermediate Macroeconomics or ECON 3300 Money and Banking
ECON	3100	Introduction to Econometrics
ECON	3400	International Trade and Finance

CHEMISTRY

16 upper-division credits beyond the General Chemistry sequence:

General Chemistry Sequence (10 Credits)

CHEM	2050	General Chemistry I
CHEM	2051	General Chemistry I Laboratory
CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory

Organic Chemistry Sequence (8 Credits)

CHEM	3030	Organic Chemistry I
CHEM	3031	Organic Chemistry I Laboratory
CHEM	3032	Organic Chemistry II
CHEM	3033	Organic Chemistry II Laboratory

Plus one of the following groups (5 credits):

CHEM	3040	Quantitative Analysis
CHEM	3041	Quantitative Analysis Laboratory

Or

MARS	4070	Chemical Oceanography
MARS	4071	Chemical Oceanography Laboratory

Or

CHEM	4030	Biochemistry I
CHEM	4031	Biochemistry I Laboratory

Plus one additional course from the following (3 credits):

CHEM	3020	Physical Chemistry I
CHEM	3050	Environmental Chemistry
CHEM	4054	Aquatic Chemistry
CHEM	4950	Practicum
GEOG	3040	Geochemistry
MARS	4070	Chemical Oceanography

CLASSICAL STUDIES

Students are required to take:

CLST	1000	Great Books, East and West
ARTH	2301	Topics in World Art History: Foundations of Western Art

Plus any four of the following upper-division courses:

ARTH	3206	Renaissance to Modern Art
CLST	3030	Ancient Drama
CLST	3100	Female Figures in Classical Myth, Literature, and Religion
CLST	4900	Seminar in East-West Classical Studies
HIST	3151	Medieval Europe
HIST	3270	Gender in Medieval and Early Modern Europe
HUM	3601	Mythology
PHIL	3200	History of Western Philosophy
REL	3151	Bible as Literature
REL	3152	Understanding Early Christian Literature
REL	3200	Abrahamic Traditions
REL	3700	Female Figures in the Bible

COMMUNICATION STUDIES

Five courses:

Choose one of the following:

COM	2300	Communication and Culture
COM	2500	Sex and Gender in Communication Contexts

Four upper-division courses:

COM	3000	Mass Media
COM	3200	Interpersonal Communication or COM 3300 Intercultural Communication
COM	3320	Persuasion
COM	3900	Communication Theory

COMPUTER INFORMATION SYSTEMS (CIS)

Four upper-division courses beyond CSCI 1011 and 3201:

CSCI	3211	Systems Analysis
CSCI	3301	Database Technologies
CSCI	4921	Software Project Management

Plus one upper-division CSCI elective.

COMPUTER SCIENCE

Four CSCI core courses (listed below) plus four CSCI upper-division courses:

CSCI	1911	Foundations of Programming (or exemption by placement exam)
CSCI	2911	Computer Science I
CSCI	2916	Computer Science I Lab (1 credit)
CSCI	2912	Computer Science II

Four upper-division CSCI courses totaling at least 12 credit

CRIMINAL JUSTICE

Complete one lower-division and four upper-division Criminal Justice courses (15 credits):

CJ	1000	Violence in American Society
CJ	3000	Ethics and Justice
CJ	3070	Justice Management
CJ	3300	Criminal Procedures
CJ	3500	Criminal Law

DIPLOMACY AND MILITARY STUDIES

Any five of the following upper-division courses with at least one from both HIST and PSCI:

GEOG	3750	Military Geography
HIST	3465	U.S.-Japanese Relations 1853–Present
HIST	3501	Islam and the Middle East
HIST	3661	History of Warfare to 1500

HIST	3662	War and Society since 1500
HIST	3666	U.S. Military History
HIST	3668	Military History of Hawai'i
HIST	3676	U.S. Diplomatic History
HIST	3880	Modern World Revolutions
HIST	4661	History of Military Thought
HIST	4900	Seminar in History
HIST	4961	Seminar: Military History
INTR	3000	International Relations
INTR	3200	National and International Security
INTR	3250	Peace-Building and Conflict Management
INTR	3275	Global Governance
INTR	3350	International Human Rights
INTR	3400	International Relations of Asia
INTR	3905	Any Contemporary Nations course
PSCI	3412	American Foreign Policy
PSCI	3430	American: Images from Abroad
PSCI	3525	Islam and Politics
PSCI	3540	Politics of Terrorism
PSCI	3650	Intelligence Studies
PSY	3360	Military Psychology
SOC	3660	Sociology of Terrorism

Or other courses approved by the DMS Program Chair.

EAST-WEST CLASSICAL STUDIES

Five courses as listed below:

Required:

CLST 1000 Great Books East and West

Choose 4 additional courses: any 2 from Western Traditions and any 2 from Eastern traditions:

Western Traditions:

ARTH	3206	Renaissance to Modern Art
CLST	3030	Ancient Drama
CLST	3100	Female Figures in Classical Myth, Literature, and Religion
CLST	4900	Seminar in East-West Classical Studies (topics to vary)
HIST	3170	Gender and Sexuality in the Classical World
HIST	3661	History of Warfare to 1500
HUM	3601	Mythology
PHIL	3200	History of Western Philosophy
REL	3151	Bible as Literature
REL	3152	Early Christian Literature
REL	3600	War in World Religions
REL	4900	Seminar in Religious Studies (topics to vary)

Eastern Traditions:

ARTH	3301	Art of China
ARTH	3321	Art of Japan
ARTH	3351	Art of India and Southeast Asia
CLST	4900	Seminar in East-West Classical Studies (topics to vary)
HIST	3326	Cultural History of Japan
HIST	3362	History of India
MUS	3100	Theater Music of the World
PHIL	3300	History of Eastern Philosophy
REL	3310	Asian Traditions
REL	3600	War in World Religions
REL	4900	Seminar in Religious Studies (topic to vary)

Note: Students are encouraged, but not required, to study a classical language, preferably Japanese or Chinese.

ENGLISH

Five courses beyond WRI 1150 or any Written Communication & Information Literacy course:

HUM 3900 Research and Writing in the Humanities

Plus any two 3000- or 4000-level ENG courses

Plus two courses chosen from:

ENG 2100 Reading Literature, Film, and Culture

Any 3000- or 4000-level ENG course

Any 3000-level WRI course

ENVIRONMENTAL STUDIES

Complete one or both of the following:

ENVS 3010 Environmental Impact Analysis

ENVS 3030 Earth Systems and Global Change

Plus four or five of the following:

ANTH 3400 Anthropology of Food and Eating

ENVS 3002 Applications of Environmental Science

ENVS 3020 Environmental Policy Process

ENVS 3600 Natural Resource Management

ECON 3430 Environmental Economics

SOC 3650 Global Systems and Development

FILM STUDIES

Five upper-division courses:

ENG 3330 Film Theory and Criticism

Plus any four of the following:

COM 3260 Exploring Film

ENG 2301 World Film Studies

ENG 3101 Shakespeare on Screen

ENG 3145 Nonfiction Film: Documentary, Docudrama, and Historical Film

ENG 3150 Television Studies

ENG 3227 Hawai'i and the Pacific in Film

ENG 3350 Literature Adapted to Screen

PSCI 3620 Politics in Film

WRI 3320 Scriptwriting

FINANCE

Four upper-division courses beyond FIN 3000:

ECON 3300 Money and Banking

ECON 3400 International Trade and Finance

FIN 3300 Investments

FIN 3400 Financing in the Money and Capital Markets

FORENSIC HEALTH SCIENCE

Forensic Science is on the threshold of biotechnical advancement. Individuals working in the human service area can facilitate a valuable service in the transition of trauma victims from health care institutions to the court of law. The forensically-educated professional could be a critical component in facilitating the proper recognition and collection of evidence in complex forensic cases. This minor is designed to prepare students to appreciate the rapidly changing field of forensic science and to prepare them to work as a member of a multi-disciplinary team in the collection, preservation, and presentation of forensic evidence.

Required courses:

NUR	3550	Crime Scene Investigation: Theories and Practice (also CJ 3550)
NUR	3973	Criminalistics and the Investigation of Injury and Death
NUR	3974	Forensic Science Experiential Learning
PSY	3310	Forensic Psychology

Choose from one of the following elective courses:

CJ	3510	Crime Victims and Justice
CJ	3520	Drug Abuse and Justice
PH	3025	Sexuality in Health and Society (also NUR 3025/SWRK 3025)

GENDER AND WOMEN'S STUDIES

Six courses:

HUM	1270	Introduction to Women's Studies
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Plus five courses from the following list below. No more than 3 courses may have the same alpha (alphabetic prefix such as ENG, HIST or SOC):

ANTH	3360	Men and Women in Modern Society
ANTH	3365	Women in Asia
ARTH	3611	Art and the Human Body
CLST	3100	Female Figures in Classical Myth, Literature, and Religion
ENG	3250	Texts and Gender
ENG	3251	Sex, Power and Narrative
ENG	3252	20th-Century American Women Writers of Color
HIST	3070	Sex, Gender, and History
HIST	3170	Gender and Sexuality in the Classical World
HIST	3270	Gender in Medieval and Early Modern Europe
PSCI	3550	Women and Politics
SOC	3320	Marriage and the Family
SOC	3329	Sociology of Gender and Sexuality
SOC	3760	Women, Minorities and Justice

Or other special topic courses pertinent to the study of gender. Please consult the Faculty Advisor to determine applicability to the minor.

GERONTOLOGY

The Minor in Gerontology is meant to provide a broad base of health knowledge that will be useful in a wide variety of occupations such as social work, journalism, correctional system, business, and education.

Five courses; students must take all of the following:

PH	1000	Introduction to Personal and Community Health
PH	3060	Global Aging
PH	3070	Gerontology Theory and Practice
PH	4020	Social Gerontology
REL	3007	On Death and Dying

GLOBAL COMMUNICATION

Five courses:

COM	2300	Communication and Culture
COM	3000	Mass Media
COM	3300	Intercultural Communication
COM	3750	Global Communication Cases
COM	3760	Communication Futures

HEALTH PROMOTION

Students must take the following:

PH	1000	Introduction to Personal and Community Health
PH	3020	Epidemiology

PH	3030	Health Behavior Theory and Program Planning
PH	3040	Health Education Planning, Theory, and Practice
PH	4600	Grantwriting in the Health Professions

HISTORY

Any five upper-division HIST courses beyond any single 1000-level HIST course.

HOSPITALITY AND TOURISM MANAGEMENT

Four upper-division courses beyond the upper-division business requirements and beyond HTM 1010 and one HTM work experience:

HTM	3110	Hotel and Resort Management
HTM	3210	Food and Beverage Management
HTM	3610	Travel Industry Marketing
HTM	4310	Passenger Transportation Management

HUMAN RESOURCE DEVELOPMENT

Four upper-division courses from the following list:

HRD	3100	Principles of Instructional Design
HRD	3110	Training Methods, Delivery, and Evaluation
HRD	3120	E-Learning and Learning Technologies
HRD	3300	Human Resource Development Project Management
HRD	3400	Organizational Staffing

Plus one elective course from the following:

ANTH	3350	Diversity in the Workplace
CJ	3000	Ethics and Justice
COM	3350	Team Building
COM	3420	Business Communication
PADM	3000	Analytical Techniques and Methods
PADM	3600	Non-profit Management
PSY	3121	Applications of Psychology to Management
PSY	3122	Industrial/Organizational Psychology

HUMANITIES

Five courses:

One lower-division course in ARTH, CLST, HUM, PHIL, or REL

Plus four other upper-division ARTH, CLST, ENG, HIST, HUM, PHIL, or REL courses. No more than two of these courses may come from the same alpha.

INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY

Six upper-division courses beyond PSY 1000:

MKTG	3100	Consumer Behavior
PSY	3121	Applications of Psychology to Management
PSY	3122	Industrial/Organizational Psychology

Plus any three upper-division Psychology courses. (Courses listed below are recommended when available):

PSY	3120	Group Dynamics in Organizations
PSY	3300	Social Psychology
PSY	3500	Tests and Measurements in Psychology

INTERNATIONAL BUSINESS

Four upper-division courses beyond the upper-division business requirements:

ECON	3400	International Trade and Finance
ECON	3900	Economic Issues of Asia
MGMT	3300	International Business Management

MKTG 3420 International Marketing

INTERNATIONAL STUDIES

A total of five courses (15 credits) is required, four of them at the upper-division level:

One lower-division course from:

GEOG	1500	World Regional Geography
GEOG	2000	Visualizing Human Geography
INTR	1000	The International System
PSCI	2000	Introduction to Politics

Four upper-division courses from:

HIST	3xxx	Any 3000-level HIST course
INTR	3000	International Relations
PSCI	3500	Comparative Politics

Plus one additional upper-division (3000- or 4000-level course in ANTH, ENVS, GEOG, HIST, INTR, PSCI or SOC.

JAPANESE

Option 1 (24 Credits or more):

One year study abroad at one of HPU's Exchange Partner Schools in Japan.*

Option 2 (18 Credits or more):

One semester study abroad at one of HPU's Exchange Partner Schools in Japan* and two of the following (6–8 credits):

JPE	2200	Intermediate Japanese II
JPE	3100	Advanced Japanese I
JPE	3200	Advanced Japanese II
JPE	4100	Advanced Japanese III
JPE	4200	Advanced Japanese IV
ANTH	3300	Japanese Society and Culture
ARTH	3321	Art of Japan
ENG	3135	Japanese Literature
GEOG	3310	Geography of Japan
HIST	2321	Introduction to Japanese Civilization
HIST	3322	History of Modern Japan
HIST	3326	Cultural History of Japan
HIST	3465	U.S.-Japan Relations 1853–Present
INTR	3935	Contemporary Nations: Japan
MGMT	3310	Contemporary Japan-U.S. Relations

* For a current list of Partner Schools, please contact the Office of International Exchange and Study Abroad.

MANAGEMENT

Four upper-division courses beyond the upper-division business requirements:

MGMT	3200	Small Business Management
MGMT	3300	International Business Management
MGMT	3440	Organizational Planning and Development
MKTG	4400	Marketing Management

MARKETING

Four upper-division courses beyond MKTG 3000:

MKTG	3100	Consumer Behavior *
MKTG	3110	Market Research*
MKTG	3420	International Marketing
MKTG	4400	Marketing Management

*Advertising/Public Relations: Strategic Communication majors only may substitute:

MKTG 3200 Product Development for MKTG 3100

MKTG 3700 Electronic Marketing for MKTG 3110

MATHEMATICS

Five upper-division courses beyond MATH 2215:

A minor in mathematics is awarded for the successful completion of five upper-level MATH classes (3000- or 4000-level) beyond MATH 2215. One 2000-level math class (above MATH 2215) may count to the math minor, but MATH 2326 is not eligible to count towards the minor.

MEDIA STUDIES

Five courses:

Two of the following:

MULT 2000 Global Cinema Studies **or** MULT 2060 Modern Media Systems

and

COM 3300 Mass Media **or** COM 3680 Rhetorical Theory **or** COM 3900 Communication Theory

Three of the following:

COM 3260 Exploring Film

COM 3270 Film Genre

COM 3750 Global Communication Cases

COM 3770 Media Literacy

COM 3780 Media Convergence

MULTIMEDIA

Five courses

One lower-division courses:

MULT 2000 Global Cinema Studies **or** MULT 2060 Modern Media Systems

Three upper-division courses:

MULT 3475 Web Interface and Design

MULT 3510 Nonlinear Audio-Visual Editing

MULT 3600 Creative Narrative Production

One of the following:

MULT 3400 Design Systems and Portfolio

MULT 3500 Cinematography Workshop

MULT 3675 Advanced Web Design

MULT 3750 Motion Graphics and Compositing

MULT 3780 Global Documentary

MULT 4590 Feature Film Screenwriting

MULT 4900 Multimedia Seminar

MUSIC

Total of 17 credits in three areas are required. At least 12 credits must be upper-division.

MUS 2400 Music Theory I (3 credits)

Ensemble and Applied Music (8 credits):

For pianists and guitar/ukulele players, 4-6 credits of applied music:

MUS 3210 Applied Music (solo)

and 2-4 credits of ensemble/chamber courses:

MUS 1710 International Chorale (voice placement audition required)

MUS 3210 Applied Music (trio, quartet, quintet)

MUS 3700 Sea Warrior Band (Hawaiian Ensemble, Jazz Ensemble, audition required)

MUS 3710 International Vocal Ensemble (audition required)

For all other instrumentalists and vocalists, 2-4 credits of applied music:

MUS 3210 Applied Music (solo instrument or ensemble)

and 4–6 credits of ensemble courses:

MUS	3700	Sea Warrior Band (audition required)
MUS	3710	International Vocal Ensemble (audition required)
MUS	3720	Chamber Orchestra (Symphony, audition required)

Choose two upper-division courses in music from the following (6 credits):

MUS	3010	Jazz History
MUS	3030	History of American Musical Theater
MUS	3100	Theater Music of the World
MUS	4000	Topics in Music (repeatable)
PHIL	3501	Philosophy of Art and Aesthetics
PSY	3160	Psychology of Music

OCEANOGRAPHY

The minor requires at least 17 credit hours in MARS courses:

MARS	1020	Oceanographic Field Techniques
MARS	3000	General Oceanography I
MARS	3001	General Oceanography I Lab
MARS	3002	General Oceanography II
MARS	3003	General Oceanography II Lab

Choose at least two courses from the following list:

MARS	4060	Geological Oceanography
MARS	4070	Chemical Oceanography
MARS	4080	Physical Oceanography
MARS	4090	Biological Oceanography or MARS 4050 Marine Ecology

Note: At least twelve (12) credit hours unique to each minor must be taken in addition to those required for fulfillment of the major program of studies. To complete the minor, Marine Biology majors will take MARS 4060, 4070, 4080, and 4090 in addition to their major requirements.

PHILOSOPHY

Five of the following with at least one course from each group:

History of Philosophy

PHIL	3200	History of Western Philosophy
PHIL	3300	History of Asian Philosophy

Ethics and Aesthetics

PHIL	3260	Exploring Film
PHIL	3501	Philosophy of Art and Aesthetics
PHIL	3651	Environmental Ethics

Social and Political Philosophy

PHIL	3731	Philosophy of Social Sciences
PHIL	4501	Reordering Social Values
HUM	3000	The Contemporary Choices

PHYSICAL SCIENCES

CHEM	3020	Physical Chemistry
GEOG	3040	Geochemistry
PHYS	2054	Modern Physics

Plus two courses from the following, but no more than one from any alpha:

CHEM	3040	Quantitative Analysis
CHEM	4054	Aquatic Chemistry
GEOG	3010	Volcanoes: Effects on Humanity and the Environment
GEOG	3020	Hydrogeology
GEOG	3030	The History of Life and the Earth
MARS	4060	Geological Oceanography

POLITICAL SCIENCE

Six upper-division Political Science or International Studies courses beyond PSCI 1400 or PSCI 2000 or PSCI 2500.

PRE-MEDICAL STUDIES

Twenty courses of at least 45 credits (including lecture, laboratory, and internship courses). At least four of these courses (lecture, laboratory, or internship) must be outside the requirements for the student's major.

Lower-Division requirements (28 Credits)

BIOL	2050	General Biology I
BIOL	2051	General Biology I Laboratory
BIOL	2052	General Biology II
BIOL	2053	General Biology II Laboratory
CHEM	2050	General Chemistry I
CHEM	2051	General Chemistry I Laboratory
CHEM	2052	General Chemistry II
CHEM	2053	General Chemistry II Laboratory
PHYS	2030	College Physics I or PHYS 2050 General Physics I
PHYS	2031	College Physics I Laboratory or PHYS 2051 General Physics I Lab
PHYS	2032	College Physics II or PHYS 2052 General Physics II
PHYS	2033	College Physics II Laboratory or PHYS 2053 General Physics II Lab

Upper-Division requirements (11 Credits)

CHEM	3030	Organic Chemistry I
CHEM	3031	Organic Chemistry II Laboratory
CHEM	3032	Organic Chemistry II
CHEM	3033	Organic Chemistry II Laboratory
PMED	3900	Pre-Medical Studies Seminar
PMED	3950	Pre-Medical Studies Practicum

Plus two additional courses from the following (6 credits):

ANTH	3200	Medical Anthropology
BIOL	3034	Human Physiology
BIOL	3036	Human Anatomy
BIOL	3040	General Microbiology
BIOL	3170	Cell and Molecular Biology
BIOL	3171	Cell and Molecular Biology Laboratory
BIOL	4020	Cancer Biology
CHEM	4030	Biochemistry I
CHEM	4031	Biochemistry I Laboratory

PSYCHOLOGY

Six upper-division Psychology courses beyond PSY 1000:

Note: PSY 2100 and PSY 2200 or other approved Statistics (MATH 1123, SOC 3200) and Research Methods (SOC 3100) courses are required for most upper-division PSY courses.

PUBLIC ADMINISTRATION

15 credits as outlined below:

Take all of the following (12 credits):

CJ	3000	Ethics & Justice or SWRK 3000 Methods of Social Work I
PADM	3000	Analytical Techniques and Methods
PADM	3200	Public Policy
PSCI	3200	Introduction to Public Administration

Plus one elective course from the following (3 credits):

PADM	3400	Public Personnel Administration
PADM	3500	Public Finance and Budgeting
PADM	3600	Non-Profit Management
PADM	3700	Urban Governance

RELIGIOUS STUDIES

REL	1000	Introduction to World Religions
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Choose four courses from the following, at least two of which must be designated as REL (12 credits):

ANTH	3110	Symbolism, Myth, and Ritual
ANTH	3115	Culture, Religion, and the Environment
ANTH	3980	Hawaiian Sovereignty, Process, and the Sacred Community
ARTH	3206	Renaissance to Modern Art
ARTH	3301	Art of China
ARTH	3321	Art of Japan
ARTH	3351	Art of India and SE Asia
ARTH	3551	Art of the Pacific
ARTH	3552	Art of Polynesia
ARTH	3556	Art of Hawai'i
ARTH	3611	Art of the Human Body
CLST	3100	Female Figures in Classical Myth, Literature, and Religion
HIST	3151	Medieval Europe
HIST	3270	Gender in Medieval and Early Modern Europe
HIST	3501	Islam and the Middle East
HUM	3601	Mythology
INTR	3900	Contemporary Nations Seminar
MUS	3100	Theater Music of the World
PHIL	3300	History of Asian Philosophies
PSCI	3525	Islam and Politics
REL	3000	Religion, Sacrifice and Violence
REL	3151	The Bible as Literature
REL	3152	Understanding Early Christian Literature
REL	3200	Abrahamic Traditions
REL	3310	Asian Traditions
REL	3500	Indigenous Traditions
REL	3600	War in World Religions
REL	3700	Female Figures in the Bible
REL	4002	Religions, Sustainability, and Globalization

OR any other upper-division REL course

SOCIAL SCIENCES

Six upper-division Social Science courses:

PSY	3300	Social Psychology
SOC	3100	Methods of Inquiry
SOC	3200	Social Statistics

Plus three upper-division courses from ANTH, PSCI, PSY, or SOC.

SPANISH

Option 1 (24 Credits or more):

One year study abroad at one of HPU's Exchange Partner Schools in a Spanish-speaking country.*

Option 2 (18 Credits or more):

One semester study abroad at one of HPU's Exchange Partner Schools in a Spanish-speaking country* and two of the following (6–8 credits):

SPAN	2200	Intermediate Spanish II
SPAN	3100	Advanced Spanish Speaking and Listening

SPAN	3200	Advanced Spanish Writing and Grammar
SPAN	3310	Culture and Literature of Spain
SPAN	3320	Culture and Literature of Mexico and Central America
SPAN	3330	Culture and Literature of South America
SPAN	3340	Culture and Literature of Caribbean
SPAN	3350	Culture and Literature of Spanish-speakers in the U.S.
HIST	2451	History of Latin America
HIST	3242	History of Spain
INTR	3945	Contemporary Nations: Latin America

* For a current list of Partner Schools, please contact the Office of International Exchange and Study Abroad.

SPEECH COMMUNICATION

Five courses:

One lower-division course:

COM	2000	Public Speaking
COM	2640	Argumentation and Debate

Four upper-division courses:

COM	3320	Persuasion
COM	3440	Advanced Public Speaking
COM	3641	Argumentation & Debate Practicum
COM	3680	Rhetorical Theory
COM	3900	Communication Theory

STUDIO ART

Six courses:

One required course:

ARTS	2010	Beginning Drawing
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Choose one of the following courses:

ARTS	2020	Intermediate Drawing
ARTS	2150	Introduction to Design
MULT	2460	Graphic Design

Choose four of the following courses:

ARTS	3010	Introduction to Sculpture
ARTS	3020	Introduction to Painting
ARTS	3051	Introduction to Photography
ARTH	3206	Renaissance to Modern Art
ARTH	3611	Art and the Human Body
ARTH	3551	Art of the Pacific
ARTS	4901	Advanced Studio Projects

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES

Six upper-division Applied Linguistics courses beyond AL 2000:

AL	3110	The English Sound System
AL	3120	English Sentence Structure
AL	3950	Language Classroom Experience (usually taken 1 credit at a time)
AL	4710	Teaching Listening and Speaking Skills
AL	4720	Materials, Methods, Testing II: Written English
AL	4960	Practice Teaching I

THEATER

The minor has a total of five courses.

Both of the following:

THEA	2320	Acting I: Basic Acting for Stage and Screen
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THEA 3420 Acting II: Fundamentals of Scene Study
Plus three additional upper-division courses from the list below, two of which must be from the THEA alpha:

COM	3260	Exploring Film
ENG	3222	Asian Dramatic Literature
ENG	4100	Shakespeare Seminar
MUS	3100	Theater Music of the World
PHIL	3501	Philosophy of Art and Aesthetics
THEA	3500	Applied Technical Theater
THEA	3520	Intermediate Scene Study
THEA	3600	Advanced Technical Theater
THEA	3620	Directing
THEA	4520	Acting IV: Advanced Acting
THEA	4900	Seminar in Theater
THEA	4950	Theater Performance
WRI	3320	Scriptwriting

WRITING

15 upper-division credits as outlined below:

15 credits chosen from this list (courses in this list are 3 credits unless otherwise specified):

COM	3400	Communicating Professionally
COM	3420	Business Communication
COM	3500	Technical Communication
HIST	3900	Research and Writing Across Time and Culture
HUM	3900	Research and Writing in the Humanities
MC	3120	Writing for Digital Media
SWRK	3300	Writing and Research in Social Work
WRI	3310	Poetry Workshop
WRI	3311	Childhood and Poetry Workshop
WRI	3313	The Sacred and the Erotic in Lyric Poetry
WRI	3320	Scriptwriting
WRI	3330	Fiction Writing
WRI	3340	Creative Nonfiction Writing Workshop
WRI	3391	Wanderlust: Student Literary Magazine
WRI	3510	Composition Studies (3–4 credits)
WRI	3951	Staff Reader, Hawai'i Pacific Review (1 credit)
WRI	3953	Managing Editor, Hawai'i Pacific Review
WRI	3990	Nonpaid Internship (1–3 credits)
WRI	3991	Paid Internship (1–3 credits)
WRI	4990	Advanced Revision Workshop (1–3 credits)

Students are encouraged to take at least three credits in internship or practicum courses such as WRI 3391, 3510, 3950, 3951, 3953, 3990 or 3991



UNDERGRADUATE CERTIFICATE PROGRAMS



UNDERGRADUATE CERTIFICATES

GERONTOLOGY CERTIFICATE

The Certificate in Gerontology provides an opportunity for students in various programs to learn about a complementary field of study. Students enrolled in programs such as social work, journalism, social sciences, and business may find a concentration in gerontology to be an advantage in the workplace. The Certificate includes a practicum course, giving the student field experience in gerontology.

Students must take all of the following:

PH	1000	Introduction to Personal and Community Health
PH	3060	Global Aging
PH	3070	Gerontology Theory and Practice
PH	4010	Social Gerontology in Health Science
PH	4910	Practicum III
REL	3007	On Death and Dying

HUMAN RESOURCE MANAGEMENT CERTIFICATE

The Undergraduate Certificate in Human Resource Management (CHRM) program provides a solid base of HR knowledge. It will help broaden one's knowledge on the most current trends and practices in HR with its local and global focus. It will help elevate one's standing in the HR and business communities, boost career opportunities, and earn increased credibility and respect within the profession and the organization where one is employed. Earning the CHRM is a professional tool of advantage at all stages of one's career. Participants learn how to succeed in today's business environment through effective leadership and management of an organization's most valuable human resources.

Required Courses

MGMT	3444	Training and Development in Organizations
MGMT	3650	Employment and Labor Law for Business
MGMT	3700	Human Resource Planning and Staffing
MGMT	4000	Strategic Human Resource Management

Plus one elective chosen from the following:

MGMT	3400	Human Resource Management
MGMT	3420	Compensation Management
MGMT	3440	Organizational Change and Development
MGMT	3441	Managing Organizational Performance
MGMT	3750	International Human Resource Management
MGMT	4950	Human Resource Development Practicum

TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES (TESOL) CERTIFICATE PROGRAM

Student Qualifications

The Teaching English to Speakers of Other Languages (TESOL) Certificate Program at Hawai'i Pacific University is designed for students who are earning or have completed a bachelor's degree. Prospective students may be undergraduates who seek preparation in the field of language teaching before they graduate, college graduates who wish to enter the field of TESOL but do not wish to get a second bachelor's degree or immediately go on to the graduate level, or in-service classroom teachers who want a refresher course to upgrade their skills or background knowledge in this field. The certificate program may also be used as preparation for graduate work in TESOL, language education, or linguistics.

TESOL Certificate Requirements

The TESOL Certificate is awarded upon completion of at least 24 credit hours of specified courses. For those who have finished an undergraduate degree, the work can be accomplished in no less than two full semesters or can be spread over a longer period. For undergraduate students, the work is normally spread over more than two semesters. Students earning the BA in TESOL may not later take the TESOL Certificate since the certificate is built on a subset of the same courses; however,

transferring from one plan to another is possible during the course of study.

Required Courses (16-18 Credits)

AL	2000	Introduction to Linguistics
AL	3110	The English Sound System
AL	3120	English Sentence Structure
AL	3950	Language Classroom Experience (1–3 credits)
AL	4960	Practice Teaching I

And one of the following:

AL	4710	Teaching Listening and Speaking Skills
AL	4720	Methods, Materials, and Testing: Written English

Students may fulfill the rest of the 24-credit hour requirement by taking any additional upper division AL course.

Elective Courses in Other Fields

Students may enter the program with some of the required or elective courses having been taken at another institution. If the HPU transcript evaluator accepts these courses, they need not be repeated at HPU, but the student must take other AL courses to make up the **minimum 24-credit requirement**. If the student has taken all possible courses in applied linguistics, the student may fulfill the 24-credit minimum by choosing appropriate classes from TESOL-related fields such as English, psychology, sociology, and education. Examples include, but are not limited to:

ENG	3xxx	Upper division English courses
PHIL	4721	Philosophy of Education
PSY	3235	Cross-Cultural Psychology
PSY	3400	Lifespan Development
SOC	3380	Cross-Cultural Relations
WRI	3510	Composition Studies

or a TESOL-related course cleared through the BA TESOL program chairperson.

Students are strongly encouraged to take more than the minimum 24 credits during their study for the TESOL certificate.

Minimum English Competency Requirement

Students whose native language is not English may fulfill the minimum English competency requirement in two ways. A TOEFL score of 550 and a TWE of 5 (Computer TOEFL score of 213 and an Essay score of 5 or Internet-based TOEFL score of 80 with writing score 25) submitted at the time of entrance will satisfy the requirement. A second means is the successful completion of the masters level (Level 112) of the Intensive English Program of ELS, followed by WRI 1100 Written Communication & Information Literacy I at Hawai'i Pacific. Students who need to take English classes before beginning the TESOL Certificate program must plan on being in the program for more than two semesters.

Minimum GPA Requirements

A student must have at least a 2.00 GPA in the 24 minimum credits in order to receive the TESOL certificate. Furthermore, the student must pass required courses with a grade of C or better. Required courses in which the student has received a D or an F must be repeated.

Receiving the Certificate

The student who began the TESOL Certificate after having completed a bachelor's degree should, in the semester when completing all requirements, file a Petition for Certificate with the academic dean. A certificate will be awarded to the student upon the successful completion of all requirements and payment of the certificate graduation fee.

The student who is completing the TESOL Certificate as a part of his or her undergraduate program should file a Petition to Certificate (along with a Petition to Graduate) with the academic dean. A

certificate will be awarded to the student upon the successful completion of all requirements and payment of the appropriate graduation fee. However, the awarding of the TESOL Certificate may not precede the student's receiving the bachelor's degree.

TRANSCULTURAL NURSING CERTIFICATE

The Certificate in Transcultural Nursing is intended for the nursing student and/or RN or LPN who is interested in enriching their understanding and application of Transcultural Nursing in order to become better equipped to provide culturally competent nursing care. The Transcultural Nursing Certificate program includes foundational theory and concepts of Transcultural Nursing as well as application to the diverse cultures of Hawai'i, and to one specific culture experienced through study and cultural immersion. Supplemental courses will examine cultural diversity.

Transcultural Nursing Certificate Requirements

The student will complete 13 credits as designated below to complete the certificate.

Complete each one of these Nursing Courses:

NUR	3930	Complementary Healing Methods
NUR	3943	Transcultural Nursing
NUR	3944	Transcultural Nursing: People of Hawai'i
NUR	3945	Theoretical Foundations of Transcultural Nursing

And complete one of the following 3 credit courses:

ANTH	3200	Medical Anthropology
ARTH	3611	Art and the Human Body
COM	3300	Intercultural Communication
PSY	3235	Cross-Cultural Psychology
REL	1000	Introduction to the World Religions

POST-BACCALAUREATE CERTIFICATE IN NURSING EDUCATION

The post-baccalaureate certificate in nursing education is designed to assist the nurse in developing teaching skills for either entry-level academic teaching, teaching in a clinical setting, such as a staff educator or clinical nursing instructor, or both.

Required Courses

NUR	5001	Foundations for Teaching and Learning in Nursing Education
NUR	5002	Curriculum Development and Evaluation in Nursing Education
NUR	5003	Clinical Nursing Education and/or NUR 5004 Innovations in Nursing Education

POST-BACCALAUREATE CERTIFICATE IN PRE-MEDICAL/PRE-HEALTH STUDIES

Applicants must have graduated from an accredited institution of higher learning with a baccalaureate or higher degree and a final GPA of 2.5 or above, or they must earn a GPA of 2.5 or above in their most recent 60 credit hours (90 quarter units) of course work. Because of the limited number of students that can be accommodated by the certificate program, applicants with higher GPAs will have an advantage in being admitted. However, GPA will be only one of many factors in evaluating applicants.

This certificate program is design for career-changing post-baccalaureate students who are looking for assistance in taking science (and other associated topics) courses to initiate the preparation for pre-medical/pre-health profession graduate school qualifying examinations (MCAT, DAT, OAT, GRE, etc.) Students with a high level of science preparation may be able to complete the program in one year with 24 credits. Students who have earned undergraduate degrees in science-related fields at HPU or other universities may have already taken many of these courses. If students have HPU or approved transfer credit for these courses, they may be applied to meet the certificate requirements; however, students must take at least 24 credits at HPU that are specific to the certificate. Students can choose additional courses from the electives list as necessary to reach 24 credit.

Post-Baccalaureate Certificate Requirements:

This certificate program requires 56 program credits. The projected time for completing the program is two years and a certificate will be awarded to those students who achieve a total GPA of 3.2 or over

and have successfully completed 56 program credits (of which at least 24 are taken at HPU after earning the bachelor's degree). There is a progression GPA requirement of 2.8 for the program (from Year 1 to Year 2).

Required Courses (45 Credits)

BIOL	2050/51	General Biology I Series
BIOL	2052/53	General Biology II Series
CHEM	2050/51	General Chemistry I Series
CHEM	2052/53	General Chemistry II Series
CHEM	3030/31	Organic Chemistry I Series
CHEM	3032/33	Organic Chemistry II Series
MATH	2214	Calculus I
MATH	2215	Calculus II
PHYS	2030	College Physics I or PHYS 2050 General Physics I
PHYS	2031	College Physics I Laboratory or PHYS 2051 General Physics I Laboratory
PHYS	2032	College Physics II or PHYS 2052 General Physics II
PHYS	2033	College Physics II Laboratory or PHYS 2053 General Physics II Laboratory
PMED	3900	Pre-Health Professions Seminar
PMED	3950	Pre-Health Professions Practicum

Elective Courses

Choose from among these courses to reach a total of 56 credits for the certificate:

ANTH	3200	Medical Anthropology
BIOL	2170	Ethnobotany: People and Plants
BIOL	3020	Plant Biology
BIOL	3034/35	Human Physiology Series
BIOL	3036/37	Human Anatomy Series
BIOL	3040	General Microbiology
BIOL	3050	Genetics
BIOL	4090	Biometry
BIOL	4020	Cancer Biology
BIOL	3170/71	Cell and Molecular Biology Series
CHEM	3020	Physical Chemistry
CHEM	3040/41	Quantitative Analysis Series
CHEM	4030/31	Biochemistry I Series
CHEM	4032/33	Biochemistry II Series
COM	2640	Argumentation and Debate
SOC	3100	Methods of Inquiry

(Advanced MATH courses may be substituted)

Minimum GPA Requirements

A student must have at least a 3.20 GPA in the 56 minimum credits in order to receive the Post-Baccalaureate Certificate in Pre-Medical/Pre-Health Studies. If students have HPU or approved transfer credit for these courses, they may be applied to meet the certificate requirements; however, students must take at least 24 credits at HPU that are specific to the certificate and must have at least a 3.20 GPA. There is a progression GPA requirement of 2.8 for the program (from Year 1 to Year 2). Furthermore, the student must pass required courses with a grade of B or better. Required course which the student has received a C, D, or F must repeat.

GRADUATE STUDIES OVERVIEW



INTRODUCTION TO GRADUATE EDUCATION

The goal of graduate education at a master's level is to elevate and motivate thinking to a more advanced level, preparing the student to become a productive, innovative, and creative problem solver and decision-maker in the field or discipline of his or her choosing.

The degree allows the student to master a particular scope of knowledge; relate and integrate that knowledge to other disciplines; use it to understand and apply concepts, theory, and principles in new and challenging situations; and analyze and solve complex problems. Research methodology and technical and communication skills are part of the curriculum to prepare the graduate to become a decision-making professional, complete with the attitudes and abilities necessary to grow as an advanced professional in his or her field.

Curriculum may include coursework centered around research, case studies, applied projects, collaborative work with organizations outside of the university, and internships. A capstone experience completes the master's program and may include one of the following: a major research-driven thesis or its equivalent, a comprehensive professional-level project or case study, an internship or work of original art, or a comprehensive exam.

ADMISSIONS

Requirements

Admission into HPU graduate programs is based upon the student's prior academic record, professional experience, and potential for success in graduate studies. Students who have earned a baccalaureate degree (or the equivalent to a U.S. college or university degree for international students) with a GPA of 2.7 or higher are encouraged to apply for admission. Admissions decisions are made based on written recommendations; a history of professional experience; and, if required, personal interviews, resumes, and GMAT, PRAXIS, GRE, TOEFL, and/or IELTS scores. Refer to the Application Procedures for any program specific requirements.

Application Procedures

Applicants should submit the following materials to:

Hawai'i Pacific University
Admission Office
1 Aloha Tower Drive
Honolulu, HI 96813

Students applying for admission to the graduate program should:

1. Complete the Graduate Application online via online application at www.hpu.edu/apply. Please be sure to complete all sections of the application.
2. Pay the application fee of \$50.00 via credit card at time of application submission.
3. Submit official transcripts showing successful completion of all undergraduate degrees and other postsecondary work. Be sure to send official transcripts from *all* universities and colleges attended.
4. Submit appropriate supplements depending on specific program requirements.
5. Be sure to contact HPU Admissions for additional questions.

Graduate Special Status Applicants:

Students who wish to take graduate credit courses at Hawai'i Pacific University, who are not seeking a Master's degree or participation in the cooperative education or federal financial aid programs, may apply directly with the Admissions Office. Non-native speakers of English may be asked to demonstrate their English proficiency. Credit taken in this category is limited to 12 credit hours. After completing 12 credits, a special status student should apply for admission as a degree-seeking student.

Admissions Deferral Procedures

Students who have been offered admission to a degree-seeking program at Hawai‘i Pacific University and have **not** attended any classes may request a deferral of enrollment for up to one year from admission term. Deferment pertains only to admission to the university, not admission to a particular major or program.

Additional Requirements for International Students

International students seeking admission into a graduate program, who are not native speakers of English and have not completed their degrees at U.S. English-speaking colleges or universities, are required to demonstrate English language skills. Please see:

<https://www.hpu.edu/graduate-admissions/grad-international/index.html>.

International students must also:

1. Have official copies of transcripts sent directly from their postsecondary school or testing authority, including an English translation.
2. Submit a completed and signed Hawai‘i Pacific University Statement of Financial Sponsorship Form (supplemental form) accompanied by an original certified bank statement, indicating that sufficient funds are available to support the first year of graduate school.

Graduate Visiting Students

Please visit www.hpu.edu/visiting to learn more about the admission process and additional ways to meet English proficiency.

GRADUATE ACADEMIC ADVISING

Advising for graduate students is generally conducted by the program chair, who acts as a graduate faculty advisor and mentor. Graduate faculty advisors help students set and achieve their academic and personal goals. Through the advisor’s mentorship, students are able to define and implement sound educational plans that are consistent with their personal values, goals, and career aspirations.

The graduate faculty advisor is available to assist students with the following:

- Making a smooth transition from baccalaureate study, other institutions, and/or professional experiences
- Course registration advice
- Identifying and accessing available student support services
- Creating an academic plan and tracking progress toward graduation
- Understanding degree requirements and university policies
- Counseling students who are struggling academically and making appropriate referrals as needed

For questions about graduate faculty advisor locations and availability, please contact the Academic Advising Office located on the downtown campus [phone: (808) 544-1198; email: advising@hpu.edu; office: 1164 Bishop Street, Suite 123 (UB Building)].

ACADEMIC POLICY AND PROCEDURES

Course Loads

During fall and spring terms, a graduate student is required to take 9 credits to be considered full-time. Students may not exceed 12 credit hours of graduate-level work without special written permission from the dean of their respective academic division. Students taking only prerequisite courses must take a minimum of 12 credit hours to maintain their full-time status. The maximum number of courses permitted for students taking only prerequisite courses is 18 credit hours.

Internships

Internships and practicums are available for qualified graduate students in a number of leading firms and organizations in the private and not-for-profit sectors.

Internships are professional, managerial, or highly technical in nature. They are intended to provide the university's most outstanding and competitive students with work experiences leading directly, upon graduation, to career positions either with the firms or organizations where they have interned or similar employers.

Graduate students must maintain a 3.0 GPA to be eligible to participate in these programs. International students must be enrolled full-time, while U.S. citizens may be enrolled part-time to earn co-op or internship credits. Students may apply a total of three credit hours toward a concentration. See co-op and internship sections.

Students interested in this program should contact the Career Development Center and their graduate faculty advisor.

Time Requirement

Students should complete the requirements for their graduate programs within seven years of their first enrollment into an HPU graduate program. They must complete the professional paper/capstone course within one year of initial registration.

Leave of Absence

Please refer to the Academic Policies and Procedures in the undergraduate section of this catalog.

ACADEMIC CREDITS AND GRADES

Credits

The University typically awards three credit hours for course completion. Exceptions include practicum and internship courses for one or two credit hours each, as well as some capstone and special topics courses.

Transfer Credits

MADMS, MAGLSD, MAHRM, MAOC/MAODC, MBA, MPH, MSN, and MSW students may receive up to 15 credit hours of transfer credit for pertinent graduate work completed at other accredited colleges or universities. MSIS students may transfer up to 12 credit hours. MATESOL students may transfer up to 6 credit hours.

For any graduate program not listed above, the general rule is students may transfer up to 50% of the credit hour requirement for the particular degree. For example, a student seeking a graduate degree that requires 42 credit hours may transfer up to 21 credit hours pertinent to the program.

Students who have completed military or institutional training of a formal nature (such as the Naval War College, etc.) may be considered for transfer credit on the basis of recommendations of the American Council on Education (ACE).

Requirements for transfer of credit are as follows:

1. The student must have completed a baccalaureate degree at the time he or she took the course(s) in question and have been accorded graduate status. Courses to be transferred must clearly be graduate-level courses;
2. The course(s) being considered must have been completed no more than five years before initial enrollment in the HPU graduate program and no more than seven years before completion of relevant HPU degree;
3. The student must have earned a B or better in each of the courses considered for transfer;
4. Transferred courses to be applied against core courses must be the same in terms of curriculum and developed competencies. No transfer credit will be awarded to replace the Hawai'i Pacific University capstone courses;
5. The student must provide official transcripts from all institutions from which they are requesting official transfer credit, including English translations of international

- transcripts; and
- To have transfer credits evaluated in order to determine if they can be applied towards the program course requirements, students must begin by contacting their graduate academic advisor and requesting that the credits be evaluated. With the assistance of the academic advisor, the student will need to complete a General Petition form, which requires the inclusion of a course description for each course that will be evaluated for transfer credit. The course description should be within the same catalog period as when the course was taken. When a course description is vague or does not convey clearly the course content, a course syllabus will be required. The General Petition is submitted to the appropriate college for the final decision if the course meets the requirements to make it eligible to be evaluated. The final number of credits awarded might vary depending upon whether it was taken during a term or an 8-week or shorter session.

Grades

To earn the graduate degree, students must complete all courses with at least a cumulative 3.0 GPA. All courses taken, including prerequisites, will count toward the student's graduate-level GPA for determining academic progress, probation, and graduation. Courses repeated under the university repeat policy are not included in the cumulative GPA calculation. Students enrolled in concurrent (joint) graduate degree programs must meet this requirement for each degree separately.

Students receiving a grade of F or NC in a core or capstone course must usually repeat the course to earn an acceptable grade. Students receiving an F for a concentration or elective course may repeat the course once. For repeated courses, the last grade will be the one used to calculate the cumulative GPA, although the original grade will remain on the transcript. Otherwise, all courses taken at HPU are used for cumulative GPA calculations.

Grade		Points
A	Excellent	4.0
A-		3.7
B+		3.3
B	Good	3.0
B-		2.7
C+		2.3
C	Average	2.0
F	Failing	0.0
W	Withdraw	<i>Does not affect GPA but will permanently appear on transcript</i>
P	Passing	<i>Does not affect GPA</i>
CR	Credit	<i>Does not affect GPA</i>
NC	No Credit	<i>Does not affect GPA</i>

Honors at Graduation

Students with a minimum HPU grade point average (GPA) of 3.8 are considered for the award of "With Distinction" at graduation. Specific requirements include:

- Completion of at least 15 credit hours of work at HPU for all graduate programs except for: 27 credits toward the MATESOL or 33 credits for a joint degree program
- A minimum honors point average (HPA) of at least 3.8 on all HPU course work including repeated courses

Academic Probation, Suspension, and Dismissal

Students with graduate student status must maintain a 3.0 GPA to remain in good academic standing. After attempting nine credit hours, students will be placed on academic probation if they fail to achieve a 3.0 GPA.

Students on academic probation must schedule periodic meetings with a faculty advisor who will work with them and monitor their progress. Probationary students are restricted to taking 9 credit hours (three graduate courses) or 12 credit hours (combination of graduate and undergraduate courses) during a spring or fall term. Students on probation for the second consecutive term—or

after completion of 9 or 12 credit hours (as appropriate) subsequent to being placed on probation for the first time—and who have not demonstrated satisfactory progress in raising their GPA may be suspended.

Appealing a suspension is a formalized process initiated by the student. Appeals for suspension are submitted to the senior vice president and provost. The suspension appeal process is a one-time process, and students approved to return will remain on continued probation for the term in which they return. All suspension appeal approvals are subject to the approval of the senior vice president and provost or his/her designee. Students who have successfully appealed their suspension will be placed on continued probation status for one term only. Should any student fail to raise their GPA after their suspension has been lifted, they will be subject to dismissal, which is final.

CAPSTONE REQUIREMENT

To graduate, students must meet both university requirements and those established within each graduate program. The university requires a minimum 3.0 GPA to graduate and the successful completion of a capstone experience. Each graduate program has its own specific degree requirements, including a capstone experience, which students must meet.

A capstone or culminating experience provides students with an opportunity to integrate prior learning and is undertaken at the conclusion of the program of study. It can take several different forms, including a thesis, professional paper, special project, portfolio, or comprehensive exams. For a complete explanation of degree requirements, capstone experience, and any related policies and procedures, please go to the specific graduate program web page and/or talk to a graduate academic advisor or the program chair of the graduate program of interest.

Students interested in pursuing a concurrent degree while already in a degree program must submit a request in writing prior to entering the capstone series of courses. Moreover, the students must complete the required core courses of the concurrent graduate degree program before beginning the capstone series.

Students desiring to take a subsequent degree after completing an HPU graduate program may transfer 12 credit hours of core courses into the new program. Specific program course requirements appear on the subsequent pages of this section.

MSW and MPH students who have not completed the professional paper within one year must re-enroll in SWRK 7350 or PH 7000 (respectively). MA/DMS students must complete HIST 7602 within seven years from first graduate enrollment. Students who do not complete HIST 7602 in the term of enrollment will receive an incomplete grade for the course if they can demonstrate close proximity to finishing; otherwise, they will receive an NC grade and must maintain continuous enrollment in HIST 7603 for up to 3 terms.

Students receive the grades A, B, C, or F for IS 7100 or OC 7000 course. The grades awarded for IS 7200, NUR 7000, COM 7250, or OC 7000 are A, B, C, and NC (no credit). The NC grade is assigned to those students who have not successfully completed the professional paper at the end of the term. Students receiving the NC grade must register for IS 7200, OC 7000, NUR 7000, or COM 7250 in the next term; and maintain continuous enrollment for up to one year until they have successfully completed the paper. As long as the student has been continuously enrolled in the professional paper course, he or she will be awarded three credit hours of credit with the appropriate grade upon completion of the paper. The student who has taken an unapproved hiatus between IS 7100 and IS 7200 or OC 7000 must start the sequence again, beginning with IS 7100/OC 7000. Students are responsible for the tuition for continuous enrollment in the professional paper courses and for any retakes of those courses.

The MBA and concurrent degree programs require the completion of two capstone courses in the

last year of program study. The capstone courses ensure that they can draw from their analytical, communication, and technological skills and are capable of applying these in a global setting.

Students are to enroll in the capstone course that is specific for the MBA. The MGMT 7001/7002 sequences must be taken in two consecutive terms; that is, fall and spring, or spring and summer, or summer and fall. The MGMT 7001 course will require students to develop a strategic plan. The implementation of this plan becomes the basis for the MGMT 7002 course.

Students must maintain continuous registration and enrollment in the MGMT 7002 course until the implementation plan is completed. However, students should complete the plan within seven years from first graduate enrollment at HPU and within one year from the first enrollment in MGMT 7001. MBA students who have not completed the plan within one year but are still within the seven years must re-enroll in MGMT 7001 and begin the capstone sequence anew. Students receive the grades A, A-, B+, B, B-, C+, C, or F for the MGMT 7001 course. The grades awarded for the MGMT 7002 course are A, A-, B+, B, B-, C+, C, and NC (no credit). The NC grade is assigned to those students who have not successfully completed the professional paper at the end of the term. Students receiving the NC grade must register for MGMT 7002 in the next term and maintain continuous enrollment for up to one year until they have successfully completed the plan. As long as the student has been continuously enrolled in the capstone course, he or she will be awarded three credit hours of credit with the appropriate grade upon completion of the paper. The student who has taken an unapproved hiatus between MGMT 7001 and MGMT 7002 must start the sequence again, beginning with MGMT 7001. Students are responsible for the tuition for continuous enrollment in the capstone courses and for any retakes of those courses. A summary of the capstone courses for the different graduate degree programs is located on the next two pages.

PROFESSIONAL PAPER RETAKE POLICY

Normally, students should complete the professional paper course sequence for the MBA, MSIS, MA/COM, MA/HR, MA/GLSD, and MA/OC within one year of first enrollment in IS 7100, COM 7150, MGMT 7001, GLSD 7100, or OC 7000. Satisfactory progress beyond that year is determined by the dean of that particular college, in consultation with the program faculty. At the discretion of the dean of the college in which the program is located, a student may be suspended if satisfactory progress is not made after that one year.

Summary of Graduate Capstone Courses

Degree Program	Option	Capstone Course(s)
Master of Arts in Clinical and Mental Health Counseling		PSY 7100 Clinical Practice and Supervision I-Community Internship (3 cr.)
		PSY 7101 Clinical Practices and Supervision II-Community Internship (3 cr.)
Master of Arts in Communication	Thesis	COM 7150 Capstone I (3 cr.)
		COM 7250 Capstone II (3 cr.)
Master of Arts in Diplomacy and Military Studies		HIST 7601 Research & Writing in Military Studies (3 cr.)
		HIST 7602 Thesis Research/Writing in Diplomacy and Military Studies (3 cr.)
		HIST 7603 Continuing Thesis Research/Writing in Diplomacy and Military Studies (1-9 cr.)
Master of Arts in Global Leadership & Sustainable Development		GLSD 7100 Professional Paper I Capstone (3 cr.)
		GLSD 7200 Professional Paper II Capstone (3 cr.)
Master of Arts in Human Resource Management		HR 7021 Professional Certification Seminar in Human Resource Management (3 cr.)
Master of Arts in Organization Development and Change		OC 7000 Applied Research (3 cr.)
Master of Arts in Teaching English to Speakers of Other Languages		AL 7099 Capstone Requirement (1 cr.)
Master of Business Administration		MGMT 7001 Strategic Management I (3 cr.)
		MGMT 7002 Strategic Management II (3 cr.)
Master of Education in Elementary Education		ED 6510 Elementary Clinical Practice Seminar (3 cr.)
		ED 6511 Elementary Clinical Practice I (3 cr.)
		ED 6512 Elementary Clinical Practice II (6 cr.)
Master of Education in Secondary Education		ED 6520 Secondary Clinical Practice Seminar (3 cr.)
		ED 6521 Secondary Clinical Practice I (3 cr.)
		ED 6522 Secondary Clinical Practice II (6 cr.)
Master of Education in Educational Leadership		ED 6695 Capstone Research (3 cr.)

Master of Public Administration		PADM 7001 Professional Paper I (3 cr.)
		PADM 7002 Professional Paper II (3 cr.)
Master of Public Health		PH 7000 Public Health Capstone
Master of Science in Information Systems	Option A	IS 7300 Systems Integration (3 cr.), plus one IS elective (3 cr.)
	Option B	IS 7100 Graduate Thesis/Applied Project Proposal (3 cr.)
		IS 7200 Graduate Thesis/Applied Project (3 cr.)
Master of Science in Marine Science		NSCI 7000 Thesis (1-3 cr.)
Master of Science in Nursing		NUR 7000 Professional Paper (3 cr.)
Master of Social Work		SWRK 7350 Professional Paper (3 cr.)



GRADUATE PROGRAMS OF STUDY



Graduate Programs

Hawai'i Pacific University offers the following graduate degree programs. Some of these programs include concentration options. For more detailed information, please refer to the program requirements elsewhere in this catalog.

College of Business

- Master of Arts in Human Resource Management
- Master of Arts in Organization Development and Change
- Master of Business Administration
- Master of Science in Information Systems

College of Health and Society

- Doctorate of Nursing Practice
- Master of Public Health
- Master of Science in Nursing
- Master of Social Work

College of Liberal Arts

- Master of Arts in Clinical Mental Health Counseling
- Master of Arts in Communication
- Master of Arts in Diplomacy and Military Studies
- Master of Arts in Global Leadership and Sustainable Development
- Master of Arts in Teaching English to Speakers of Other Languages (TESOL)

College of Natural and Computational Sciences

- Master of Science in Marine Science

College of Professional Studies

- Master of Education in Educational Leadership
- Master of Education in Elementary Education
- Master of Education in Secondary Education
- Master of Public Administration

COLLEGE OF BUSINESS



MASTER OF ARTS IN HUMAN RESOURCE MANAGEMENT

PROGRAM OBJECTIVES

Students who complete the Master of Arts in Human Resource Management will:

- 1. Understand and apply appropriate theories and methods for HRM.*
- 2. Develop broad perspectives necessary for analyzing HRM in organizations.*
- 3. Integrate strategy, structure, technology, and people into HRM applications.*
- 4. Relate the HRM process to various national and business settings.*
- 5. Use contemporary HRM techniques in a variety of cross-cultural and societal settings.*
- 6. Understand various HRM models for creating organizational improvements.*

It is the mission of the MAHRM program to prepare students to enter human resource management as a career field, to position themselves to exploit promotion opportunities in the discipline, or to segue into the HR field as managers after successful careers in other management disciplines. In general, we are committed to preparing our students to become HR generalists, specialists, managers, and executives, as their career phase, maturity level, and personal motivation dictate.

PREREQUISITES

Students from a variety of backgrounds are attracted to this graduate program. Therefore, to ensure each student is adequately prepared for the academic rigors of a graduate-level program, the following courses must be satisfactorily completed as a foundation for graduate studies:

CSCI	3201	Information Management Using Spreadsheets and Databases
SOC	3100	Methods of Inquiry*
SOC	3200	Social Statistics*

**or the equivalent of 6 credits of undergraduate courses in research methods and statistics.*

CORE COURSES (33 CREDITS)

HR	6320	Global Human Resource Management
HR	6400	Human Resource Management
HR	6420	Compensation Management
HR	6460	Human Resource Development
HR	6470	Collective Bargaining and Labor Relations
IS	6005	Information System Management
IS	6020	Modern Methods in Project Management
IS	6040	Business Analytics
MGMT	6000	Foundations of Teamwork and Leadership
MGMT	6020	The Regulatory and Ethical Environment of Business
OC	6440	Organizational Change and Development

CAPSTONE COURSE (3 CREDITS)

HR	7021	Certification Seminar in Human Resources
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MASTER OF ARTS IN ORGANIZATION DEVELOPMENT AND CHANGE

Today's leaders find they must continually realign their organizations to evolving strategic visions, missions, and goals critical to short-term performance. Simultaneously, they are faced with the complex task of adapting their organizations to rapidly changing competition for markets and resources, diverse workforce needs, government regulations, new technology, and a deteriorating environment. Organization development and change involves a multi-disciplinary perspective and utilizes concepts and methods from such fields as management, sociology, and anthropology, organization development, technology, psychology, and comparative economics. Hawai'i Pacific University's Master of Arts in Organization Development and Change (MA/ODC) emphasizes the management, design, implementation, and application of such change methods as continuous improvement and performance management. Students learn how to design innovations for organizational development and change, as well as the necessary competencies to implement development and change.

PROGRAM OBJECTIVES

Students who complete the Master of Arts in Organization Development and Change will:

- 1. Incorporate the foundations, history, and evolution of organization development and change, social, political, and economic forces that led to the emergence of ODC in their interactions with organizations.*
- 2. Integrate a systems perspective in their diagnosis, assessment, intervention planning, and implementation of interventions of organizational development and change process.*
- 3. Employ classical and emerging theories and models of development and change in the design of interventions, process improvements, and related activities using facilitation and process consultation for individuals, groups, and organizations.*
- 4. Lead change and development activities through entering a system; developing effective relationships; contracting for goals, outcomes, and resources; and discovering, diagnosing, assessing, designing, and selecting interventions at the appropriate level of a system based on knowledge of self, individual employee, and organizational values.*
- 5. Assess organizational/system shared assumptions, attitudes, beliefs, values, and norms at the group, organizational, national, and global levels in order to determine the appropriateness of the culture for change.*
- 6. Conduct a systems-based diagnosis of organizations, assess and evaluate collected data, and feedback results to stakeholders following an action research model.*

The Master of Arts in Organization Development and Change is designed for students who want to gain expertise in designing and leading development and change—a continual requirement for long-term survival in today's competitive world. Organization development and change involves a multi-disciplinary perspective and uses concepts and methods from such fields as management, sociology, anthropology, organizational development, technology, psychology, and comparative economics.

The program requires a minimum of 33 credit hours of graduate work. The 33 credit hours are divided into 27 credit hours of core courses, 3 credit hours of a prescribed elective course, and 3 credit hours of capstone course.

PREREQUISITES

Students from a variety of backgrounds are attracted to this graduate program. Therefore, to ensure each student is adequately prepared for the academic rigors of a graduate-level program, the following courses must be satisfactorily completed as a foundation for graduate studies:

CORE COURSES (27 CREDITS)

HR	6320	Global Human Resource Management
IS	6020	Modern Methods in Project Management
IS	6040	Business Analytics
MGMT	6000	Foundations of Teamwork and Leadership
OC	6005	Scope and Methods in Research

OC	6440	Organizational Change and Development
OC	6443	Change Leadership Models and Methods
OC	6444	Innovations and Creativity
OC	6447	Consulting and Group Process Facilitation

PRESCRIBED ELECTIVE COURSES (3 CREDITS)

HR	6400	Human Resource Management
MGMT	6300	International Business Management
MGMT	6350	Global Markets in Transition
MGMT	6360	Global Competition and Strategy
MKTG	6000	Marketing Strategy for Managers
OC	6990	Nonpaid Internship
OC	6991	Paid Internship
OC	6997	Directed Readings in Organizational Change and Development
OC	6998	Special Topics in Organizational Change and Development

CAPSTONE COURSE (3 CREDITS)

OC	7000	Applied Research
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MASTER OF BUSINESS ADMINISTRATION WITH CONCENTRATION

PROGRAM OBJECTIVES

Students who complete the Master of Business Administration will:

- 1. Develop a strategic level understanding of key business functions.*
- 2. Analyze and evaluate business performance by assessing strategic position and business functions.*
- 3. Create innovative business solutions by demonstrating critical thinking skills, assessing industry trends, and adapting to the global environment.*
- 4. Communicate effectively by designing and delivering written works and oral presentations to include business reports, academic papers, and research products.*
- 5. Assess the legal, professional, and ethical implications of business decisions including intercultural practices and social responsibility.*
- 6. Apply effective leadership principles and practices in a global context through engagements in competent teamwork.*

PREREQUISITES

Students without prior academic course work in the field or without significant professional experience must satisfactorily complete the prerequisites. The following HPU courses (or their equivalents) are required for admission to all MBA programs: Financial Accounting or Principles of Accounting I, Principles of Finance or Business Finance, Statistics, and Survey of Economics or Principles of Microeconomics. Prerequisites may be waived for individuals who have completed these courses within the last seven years and have earned a grade of C or higher or for individuals with significant professional experience in the field. Verification for students with prior academic coursework or professional experience will be evaluated.

Prerequisite courses taken from other providers and established universities may be considered, prior to the student enrolling in our MBA core courses. For all prerequisites, students must submit a certificate of successful completion (or official transcript if taken at an accredited university) with a grade of C or better.

CORE COURSES (27 CREDITS)

BUS	5001	MBA: Ho'omakaukau
ACCT	6000	Accounting for Managers
ECON	6000	Economics for Business
FIN	6000	Financial Management and Strategy
IS	6005	Information System Management
MGMT	6000	Foundations of Teamwork and Leadership
MGMT	6020	The Regulatory and Ethical Environment of Business
MGMT	6330	National Culture and Comparative Management
MKTG	6000	Marketing Strategy for Managers
MS	6000	Decision Models for Managers

CAPSTONE COURSES (6 CREDITS)

MGMT	7001	Strategic Management I
MGMT	7002	Strategic Management II
BUS	7999	MBA: A Hui Hou

CONCENTRATIONS

To earn an MBA concentration, the student must successfully complete nine credit hours from one of the following concentration lists. Some courses require specific prerequisites, which are listed in the actual course descriptions.

MBA students must earn a 3.0 or higher GPA in their concentration courses in order to earn the concentration. If the concentration GPA is lower than a 3.0, the student will earn the MBA degree without the concentration.

A dual MBA concentration may be earned by adding an additional nine credit hours from a

particular area. Courses may not be concurrently applied toward more than one concentration.

MBA students may count up to three credit hours of concentration-related practicum/internship hours toward a specific concentration.

MBA students who do not desire a concentration must complete nine credit hours from any of the following concentration lists. Some courses require specific prerequisites, which are listed in the actual course descriptions.

Finance

ECON	6400	International Trade and Finance
ECON	6410	International Financial Markets
FIN	6100	International Finance
FIN	6170	International Financial Markets
FIN	6300	Investment Analysis
FIN	6310	Portfolio Management
FIN	6400	Corporate Finance
FIN	6530	Estate Planning
FIN	6600	Trading Derivatives
FIN	6610	Advanced Derivatives
FIN	6990	Nonpaid Internship
FIN	6991	Paid Internship
FIN	6997	Directed Readings in Finance

Human Resource Management

GLSD	6000	Sustainable Human Systems
GLSD	6330	Industrial Ecology and Sustainability
HR	6320	Global Human Resource Management
HR	6400	Human Resource Management
HR	6420	Compensation Management
HR	6460	Human Resource Development
HR	6990	Nonpaid Internship
HR	6991	Paid Internship

Information Systems

IS	6020	Modern Methods in Project Management
IS	6070	Systems Architecture
IS	6230	Knowledge Management
IS	6250	Global Information Systems
IS	6260	Network Analysis
IS	6280	Data Mining for Business Intelligence
IS	6990	Nonpaid Internship
IS	6991	Paid Internship
IS	6997	Selected Topics in Information Systems

International Business

ECON	6400	International Trade and Finance
ECON	6410	International Financial Markets
FIN	6100	International Finance
HR	6320	Global Human Resource Management
IS	6250	Global Information Systems
MGMT	6300	International Business Management
MGMT	6350	Global Markets in Transition
MGMT	6360	Global Competition and Strategy
MGMT	6990	Nonpaid Internship
MGMT	6991	Paid Internship
MGMT	6997	Directed Readings in Management
MKTG	6420	International Marketing

Management

MGMT	6010	Production and Operations Management
MGMT	6210	Entrepreneurship
MGMT	6300	International Business Management
MGMT	6310	Contemporary Japan-United States Relations
MGMT	6350	Global Markets in Transition
MGMT	6360	Global Competition and Strategy
MGMT	6430	International Negotiations
MGMT	6990	Nonpaid Internship
MGMT	6991	Paid Internship
MGMT	6997	Directed Readings in Management

Marketing

MGMT	6430	International Negotiations
MKTG	6100	Global Consumer
MKTG	6110	Market Research
MKTG	6200	Strategic Brand Management
MKTG	6310	Sales Force Management
MKTG	6410	Marketing Promotion Management
MKTG	6420	International Marketing
MKTG	6700	Electronic Marketing
MKTG	6990	Nonpaid Internship
MKTG	6991	Paid Internship
MKTG	6997	Directed Readings in Marketing

Organizational Change and Development

OC	6440	Organizational Change and Development
OC	6443	Change Leadership Models and Methods
OC	6444	Innovations and Creativity
OC	6447	Consulting and Group Process Facilitation
OC	6990	Nonpaid Internship
OC	6991	Paid Internship
OC	6997	Directed Readings in Organizational Change and Development

MASTER OF SCIENCE IN INFORMATION SYSTEMS

PROGRAM OBJECTIVES

Students who complete the Master of Science in Information Systems will:

1. Be a specialist in information and systems, not just technology.
2. Be comfortable with large-scale, complex problems and issues.
3. Be able to recognize the seminal ideas in information systems and to apply them to advantage to all consumers, internal and external.
4. Be used to change and know how to resolve uncertain, confused, and misunderstood conditions.
5. Be skilled in the science of building recommendations from an intellectually-sound base.
6. Be committed to the idea that people, not hardware and software, are responsible for the effective performance of systems.
7. Understand the dynamic nature of modern organizations; recognize that assumptions, ideas, actions, and policies must be re-validated on a timely basis; and understand that flexibility is a powerful strategic tool.

The Master of Science in Information Systems is designed to create a generation of problem solvers and decision makers who are expert in the areas of information, technology, systems design, and problem solving with automated resources. The program intends that students study and become sensitive to the role of information systems in the health and welfare of any organization. In every class, students will be asked to: comprehensively identify problems; create viable solutions; evaluate competing solutions for efficiency, effectiveness, and appropriateness; and implement chosen solutions in a manner consistent with the heuristic of the IS discipline.

PREREQUISITES

Students from a variety of backgrounds are attracted to this graduate program. Students without experience in technical, scientific, and analytical fields must satisfactorily complete the following selected courses to fully prepare for the academic rigors of the program.

MIS	3050	Application Development
MIS	3060	Systems Analysis and Design
MIS	3070	IT Infrastructure

CORE COURSES (27 CREDITS)

IS	6005	Information Systems Management
IS	6020	Modern Methods in Project Management
IS	6040	Business Analytics
IS	6050	Software Design and Construction
IS	6065	Database Management
IS	6070	Systems Architecture
IS	6110	Comparative Software Engineering
IS	6120	Software Engineering Practicum
IS	6340	Information Systems Security

CAPSTONE COURSE (3 CREDITS)

IS	7300	MSIS Integrated Capstone
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ELECTIVE COURSES IN INFORMATION SYSTEMS (6 CREDITS)

IS	6130	Telecommunications
IS	6230	Knowledge Management
IS	6250	Global Information Systems
IS	6260	Network Analysis
IS	6280	Data Mining for Business Intelligence
IS	6330	Advanced Issues in Connectivity
IS	6360	Big Data
IS	6380	Systems Forensics
IS	6990	Nonpaid Internship
IS	6991	Paid Internship
IS	6997	Selected Topics in Information Systems
IS	7100	Graduate Thesis/Applied Project Proposal

COLLEGE OF HEALTH AND SOCIETY



DOCTORATE OF NURSING PRACTICE

The Doctorate of Nursing Practice (DNP) provides the pathway for MSN-prepared nurses to continue formal education and access a program targeted to the needs of their practice area. Building on the master's program curriculum, the DNP is designed as a professional (practice) doctorate integrating evidence-based practice, quality improvement, and systems leadership to prepare experts in specialized advanced nursing practice. The DNP is targeted to nurses seeking a terminal degree in nursing practice. The program will include course and clinical work (fieldwork) comprising a capstone project of three practicum courses that addresses a high priority area of practice.

PROGRAM OUTCOMES

The Doctorate of Nursing Practice graduate will:

- 1. Advanced Clinical Practice**
Practice both independently and interdependently based on scientific underpinnings that focus on systematic transformation of the delivery of health care.
- 2. Evidence-Based Practice**
Critically analyze, translate, and synthesize data to develop new practice guidelines and systems of care which are based on theory, research, and practice.
- 3. Transformational Leadership**
Effectively lead by integrating leadership and management principles to initiate change at the organization/system level which includes strategies that create, sustain, and maintain balance in access, quality, and cost.
- 4. Professionalism/Ethics**
Appraise aspects of global health care issues in order to lead, organize, and formulate approaches to care that address emerging practice problems related to ethical dilemmas as evolving therapeutic technology and standards of practice.
- 5. Quality Improvement and Safety**
Promote a culture of quality and safety through commitment to utilize evidence for the advancement of research findings in processes and practices that create patient centered change.
- 6. Health Care Informatics**
Demonstrate the ability for decision making in the use of information systems/technology resources related to ethical, regulatory, and legal issues to support practice.
- 7. Health Policy and Advocacy**
Assess the interdependence of the foundations of health care policy (considering the political process, finance and regulations) to engage and lead others toward designing, implementing, advocating, and evaluating social justice and equity in access of quality health care.
- 8. Inter-professional Collaboration**
Establish, participate, and facilitate the overall effectiveness of collaborative, interprofessional teams to engage in quality health care practice which identifies nursing's contribution.
- 9. Transcultural Care**
Integrate the impact of bio-, psycho-, socio-cultural health beliefs and practices on health promotion and disease prevention to develop and implement positive health practices of diverse populations in a global environment.

PREREQUISITE

NP student practicum hours: at least 500 practicum hours are needed to meet the minimal program requirement of 1000 hours.

CORE COURSES (30 CREDITS)

NUR	8000	Evidence Based Practice for Advanced Nursing (3 credits)
NUR	8010	Leadership and Systems Management (3 credits)
NUR	8020	Informatics and Technology for Advanced Practice (3 credits)
NUR	8030	Optimizing Quality in Health Care Systems (3 credits)

NUR	8040	Business and Finance Essentials for the DNP (3 credits)
NUR	8050	Development and Implementation of Health Care Policy (3 credits)
NUR	8060	Essential Competencies for Nurse Educators (3 credits r)
NUR	9010*	Doctoral Project I: Development (1–7 variable credits)
NUR	9020*	Doctoral Project II: Implementation (1–7 variable credits)
NUR	9030*	Doctoral Project III: Data Analysis and Dissemination (1–7 variable credits)

*Total earned for 9010, 9020, and 9030 must equal 9 credits.

MASTER OF PUBLIC HEALTH

The Master of Public Health (MPH) program provides graduates with knowledge and skills necessary to become general practitioners in the public health workforce. The curriculum focuses on public health areas such as foundations of public health, biostatistics and epidemiology, program planning and evaluation, public health administration, research methods, behavioral and social determinants of health, multicultural health, advocacy, as well as environmental and occupational health. Students will have extensive applied experience with over 250 hours of culminating field training from partnering health organizations within the student's local community.

PROGRAM OUTCOMES

Master of Public Health graduates will be able to:

1. *Design evidence-based health promotion and disease prevention programs, grounded on comprehensive public health knowledge, skills, and abilities, for professional practice, research, planning, and evaluation.*
2. *Collaborate with individuals, teams, and organizations toward accomplishing public health goals using effective written, oral, and online communication skills.*
3. *Reflect on their own cultural biases in the development of cultural humility, sensitivity, and competencies in addressing public health issues to improve population and global health.*
4. *Explicate the social, occupational, environmental, behavioral, psychological, and physiological determinants of individual and population health.*
5. *Integrate theories, empirical evidence, and best practices in the development and evaluation of programs or interventions to effectively change the determinants of health.*
6. *Utilize public health research methods to understand health determinants, co-factors, and resiliencies and to evaluate public health efforts towards improving population health.*
7. *Propose public health programs focused on improving community health using principles and theories of social justice.*
8. *Produce a community-based capstone project that demonstrates integration and application of program learning outcomes 1–7.*

NO-CREDIT PREREQUISITE COURSE

PH	6100	Foundations of Public Health and Advanced Practice Roles
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PROGRAM REQUIREMENTS

PADM	6000	Introduction to Public Administration and Public Service
PH	6120	Biostatistics
PH	6140	Advanced Epidemiology
PH	6160	Social Determinants of Health
PH	6200	Chronic and Communicable Diseases
PH	6220	Health Behavior Change Theory and Program Planning
PH	6260	Environmental and Occupational Health
PH	6300	Public Health Research Methods
PH	6400	Health Policy, Law, and Advocacy
PH	6460	Public Health Program Planning and Leadership
PH	6500*	Field Training I: Community Health Assessment, Program Planning, Implementation and Evaluation
PH	6550*	Field Training II: Community Health Assessment, Program Planning, Implementation and Evaluation
PH	7000*	Public Health Capstone

*A minimum of 3 credits must be completed for PH 6500, PH 6550, and PH 7000 to successfully complete the MPH program.

MASTER OF SCIENCE IN NURSING

Family Nurse Practitioner (FNP)

The MSN FNP program is fully accredited and the graduate is eligible to sit for the national FNP credentialing exam with either the American Academy of Nurse Practitioners (AANP) or the American Nurses Credentialing Center (ANCC).

PROGRAM OUTCOMES

The Master of Science in Nursing, Family Nurse Practitioner graduate will:

1. **Advanced Clinical Practice:** Demonstrate and apply the knowledge, skill, and judgment to independently provide direct patient care that incorporates assessment, diagnosis, and treatment across the life span (geriatrics, adult, women's, and pediatrics) within a variety of settings.
2. **Evidence-Based Practice:** Synthesize the evidence-based practice guidelines, critical thinking, and reflection to provide appropriate care as the foundation to practice.
3. **Transformational Leadership:** Demonstrate transformational leadership in the nursing profession.
4. **Professionalism/Ethics:** Practice as an independent provider ethically bound to operate within the guidelines, standards, and scope of practice.
5. **Quality Improvement and Safety:** Integrate current evidence to improve the quality of clinical practice and promote safe care.
6. **Health Care Informatics:** Incorporate knowledge of clinical decision support tools to assist in charting, decision making, research, and scholarship.
7. **Health Policy and Advocacy:** Appraise the interdependence of health policy to act as an advocate of policy that promotes access to care, equity, and cost efficacy.
8. **Inter-professional Collaboration:** Practice collaboratively with other professionals in the health care system.
9. **Transcultural Care:** Maximize the client's health and wellbeing within the parameters of the client's own cultural traditions and beliefs.

PREREQUISITES

MATH	1123	Statistics
NUR	4700	Research Proposal Development

MSN CORE COURSES (18 CREDITS)

NUR	6000	Advanced Practice Roles in a Diverse Society (3 credits)
NUR	6010	Advanced Pathophysiology (3 credits)
NUR	6015	Community/Public Health Policy and Program Planning (3 credits)
NUR	6020	Advanced Nursing Research (3 credits)
NUR	6025	Applied Drug Therapies for the APRN (3 credits)
NUR	6030	Advanced Physical Assessment (3 credits)

FAMILY NURSE PRACTITIONER CONCENTRATION (27-30 CREDITS)

NUR	6960	Advanced Theory: Primary Care of Children (3 credits)
NUR	6961	Practicum I (3 credits)
NUR	6962	Advanced Theory: Primary Care of Women (3 credits)
NUR	6963	Practicum II (3 credits)
NUR	6964	Advanced Theory: Primary Care of Adults (3 credits)
NUR	6965	Practicum III (3 credits)
NUR	6966	Advanced Theory: Primary Care of the Geriatric Adult (3 credits)
NUR	6967	Practicum IV: Primary Care of the Geriatric Adult (3 credits)
NUR	6969	Practicum V (3 credits) (<i>Elective</i>)
NUR	7000	Professional Paper/Project Proposal (Variable credit: 1-1-1 for a total of 3 credits)

International students who qualify as registered nurses in their country of present practice will be required to take the NLN Ace II examinations to demonstrate their nursing knowledge base. A decision score is utilized.

Adult-Gero Acute Care Nurse Practitioner (A-GACNP)

The Adult-Gero Acute Care Nurse Practitioner (A-GACNP) track is an option track of the MSN program that prepares the successful graduate to sit for the national board exam for the A-GACNP credential required for licensure. This track focuses on the role, function, and utilization of the Adult Gerontology Acute Care Nurse Practitioner in providing acute care for the adult and gerontologic patient populations.

PROGRAM OUTCOMES

The Master of Science in Nursing Adult Gerontology Acute Care Nurse Practitioner graduate will:

1. *Advanced Clinical Practice*
 - *Demonstrate and apply the knowledge, skill, and judgment to independently provide direct patient care that incorporates the evaluation, assessment, diagnosis, and treatment across the adult life span (adult and geriatrics) within acute care and critical care hospital settings.*
 - *Assess the complex acute, critical, and chronically-ill patient for urgent and emergent conditions, using both physiologically and technologically derived data, to evaluate for physiologic instability and risk for potential life-threatening conditions.*
 - *Develop effective collaboration with both formal and informal caregivers and professional staff to achieve optimal care outcomes during complex acute, critical and chronic illness attending to variations across the lifespan.*
 - *Serve as a knowledge resource regarding clinical and/or care issues related to the design and development of complex acute, critical, and chronic health services for care of the adult-gerontology population.*
2. *Evidence-Based Practice*
 - *Promote the delivery of evidence-based care for patients with complex acute, critical, and chronic physical and mental illness.*
 - *Participate in the design, implementation, and/or evaluation of evidence-based, age-appropriate professional standards and guidelines for care.*
 - *Contribute to knowledge development for improved care of the adult-gerontology acute care population by participation in quality improvement, program evaluation, translation of evidence into practice, and/or dissemination of evidence.*
3. *Transformational Leadership*
 - *Demonstrate leadership to promote improved health care outcomes for the adult–older adult population in practice, policy, and other venues.*
4. *Professionalism/Ethics*
 - *Practice as an autonomous and independent provider ethically bound to operate within the guidelines, standards, and scope of practice of the health care institution and state.*
 - *Advocate for the patient's and family's rights regarding healthcare decision-making such as emancipation, conservatorship, guardianship, durable power of attorney, health care proxy, advance directives, and informed consent, taking into account ethical and legal standards*
5. *Quality Improvement and Safety*
 - *Integrate current evidence to improve the quality of clinical practice and promote safe care.*
6. *Health Care Informatics*
 - *Incorporate knowledge of clinical decision support tools to assist in charting, decision-making, and delineation of resources, evidence based research, and scholarship.*
7. *Health Policy and Advocacy*
 - *Appraise the interdependence of health policy to act as an advocate of policy that promotes access to care, equity, quality, and cost efficacy.*
8. *Interprofessional Collaboration*
 - *Work collaboratively with a variety of health professionals to achieve patient care goals*

and promote stabilization and restoration of health in complex acute, critical, and chronic illness.

- *Promote collaboration among members of the multidisciplinary healthcare team to facilitate optimal care for patients with complex acute, critical, and chronic illnesses considering variations across the adult lifespan.*

9. *Transcultural Care*

- *Collaborate with the individual, family, and caregivers in the development of educational interventions appropriate to the complex acute, critical, and chronically-ill patient's needs, values, developmental and cognitive level, and health literacy.*
- *Educate individuals, families, caregivers, and groups regarding strategies to manage the interaction among normal development, aging, and mental and physical disorders.*
- *Adapt teaching-learning approaches based on physiological and psychological changes, age, developmental stage, cognitive status, readiness to learn, health literacy, the environment, and available resources.*

PREREQUISITES

MATH	1123	Statistics
NUR	4700	Research Proposal Development

MSN CORE COURSES (18 CREDITS)

NUR	6000	Advanced Practice Roles in a Diverse Society (3 credits)
NUR	6010	Advanced Pathophysiology (3 credits)
NUR	6015	Community/Public Health Policy and Program Planning (3 credits)
NUR	6020	Advanced Nursing Research (3 credits)
NUR	6025	Applied Drug Therapies for the APRN (3 credits)
NUR	6030	Advanced Physical Assessment (3 credits)

ADULT-GERO ACUTE CARE NURSE PRACTITIONER CONCENTRATION (28 CREDITS)

NUR	6980	Fundamentals of Acute Care I (3 credits)
NUR	6982	Advanced Clinical Diagnostics and Technology (3 credits)
NUR	6983	Fundamentals of Acute Care II (3 credits)
NUR	6984	A-GACNP Practicum I (3 credits)
NUR	6985	Advanced Practice Acute Care III (1 credit)
NUR	6986	A-GACNP Practicum II (6 credits)
NUR	6987	A-GACNP Practicum III (6 credits)
NUR	7000	Professional Paper/Project Proposal (3 credits)

RN to MSN Pathway

The RN-MSN path allows registered nurses without baccalaureate degrees in nursing to transition into the MSN program. These students entering the RN-MSN Path will be granted provisional admission status until all prerequisites have been completed. Students who successfully complete the program will receive an MSN degree.

Applicants who have graduated from a nursing program without National League for Nursing Accreditation Commission (NLNAC) or the Commission on Collegiate Nursing Education (CCNE) accreditation will be required to complete the following NLN Nursing Acceleration Challenge Exam (ACE II) tests:

BOOK ONE	Care of the Adult Client
BOOK TWO	Care of the Client During Childbearing and Care of the Child
BOOK THREE	Care of the Client with a Mental Disorder

Arrangements for these tests can be made by contacting the nursing program.

Applicants without a baccalaureate degree in nursing must complete the following courses:

WRI	1200	Research, Argument, and Writing (3 credits)
MATH	1123	Statistics (3 credits)
NUR	3900	Leadership and Management in Nursing (2 credits)
NUR	4700	Nursing Research (3 credits)
NUR	4960	Developing a Healthy Community (2 credits)
NUR	4961	Developing a Healthy Community—Lab (4 credits)

A 3.0 GPA in these courses is required before acceptance into the master's program. Equivalent courses may be accepted for transfer credit.

International students who qualify as registered nurses in their country of present practice will be required to take the NLN Ace II examinations to demonstrate their nursing knowledge base. A decision score is utilized.

MASTER OF SOCIAL WORK

HPU's MSW is based on an advanced generalist model with a concentration in culturally competent social work practice. The school also offers a focus on military social work and veterans' affairs that encompasses five courses plus field placements in military or veteran affairs venues.

The social work profession promotes human and community well-being. Social workers focus on social and economic justice at the local, national, and global levels. They are often pioneers—challenging the status quo and working tirelessly to help others help themselves. Social workers have many options for specialization, including child or adult protective services, health care, mental health, individual and family counseling, criminal justice, or social agency administration, to name only a few practice areas.

The goal of HPU's MSW is to prepare qualified students for entry into competent, ethical, and effective social work practice. Utilizing critical thinking and building upon our diverse cultural and geographic environment, students at Hawai'i Pacific University strive to enhance the social well-being of all people; provide leadership in culturally competent services at the micro, mezzo, and macro levels; advocate for social and economic justice locally, nationally, and globally; and promote multiculturalism through furthering social work knowledge.

PROGRAM OUTCOMES

1. *To prepare graduates who will demonstrate competence in social work practice at an advanced level with client systems of all sizes.*
2. *To prepare graduates to work effectively with diverse populations in multicultural settings.*
3. *To prepare graduates to understand the social contexts of social work practice at micro, mezzo, and macro levels, including the changing nature of those contexts and advocate for social and economic justice.*
4. *To promote the values and ethics of professional social work in the program and in its graduates' practice.*
5. *To develop in graduates an appropriate foundation for a valuing of lifelong learning, leadership, and generation of knowledge.*

PREREQUISITES

Bachelor's degree in Social Work from a college or university accredited by the Council on Social Work Education (or international equivalent)

Or

Bachelor's Degree in one of the liberal arts, including courses equivalent to the following:

MATH	1123	Statistics	or	SOC 3200 Social Statistics
SOC	3100	Methods of Inquiry		

Or

Bachelor's Degree in a field other than Liberal Arts, including courses equivalent to the following:

MATH	1123	Statistics	or	SOC 3200 Social Statistics
SOC	3100	Methods of Inquiry		

TWO-YEAR PROGRAM (57 CREDITS)

Year One

One of the following:

SWRK	6001	Fundraising and Resources Development for Non-Profit Organizations and Agencies	or	
SWRK	6002	Crisis Intervention and Prevention	or	
SWRK	6003	Global Social Work Practice	or	
SWRK	6801	Military and Veteran Social Work Practice		

All of the following:

SWRK	6100	Generalist Social Work Practice with Individuals		
SWRK	6102	Generalist Social Work Practice with Families and Groups		
SWRK	6103	Generalist Social Work Practice with Organizations and Communities		

SWRK	6200	Human Behavior in the Social Environment I
SWRK	6201	Human Behavior in the Social Environment II
SWRK	6300	Social Work Research I
SWRK	6500	Social Welfare Policy I
SWRK	6900	Graduate Practicum I
SWRK	6901	Graduate Practicum II

Year Two

All of the following:

SWRK	7100	Culture and Diversity in Advanced Generalist Practice
SWRK	7101	Advanced Practice with Diverse Individuals
SWRK	7102	Advanced Practice with Diverse Families and Groups
SWRK	7103	Advanced Practice with Diverse Organizations and Communities
SWRK	7300	Social Work Research II
SWRK	7500	Social Welfare Policy and Services II
SWRK	7900	Graduate Practicum III
SWRK	7901	Graduate Practicum IV

CAPSTONE COURSE

SWRK	7350	Integrative Seminar in Advanced Generalist Practice
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Students in the Military and Veteran Affairs Focus will take:

SWRK	6801	Military and Veteran Social Work Practice
SWRK	7301	Research Methods in Military Social Work and Veteran Affairs (instead of SWRK 7300 Social Work Research II)
SWRK	7902	Military and Veteran's Affairs Practicum III (instead of SWRK 7900 Graduate Practicum III)
SWRK	7903	Military and Veteran's Affairs Practicum IV (instead of SWRK 7901 Graduate Practicum IV)
SWRK	7351	Integrative Seminar in Military Social Work and Veteran Affairs (instead of SWRK 7350 Integrative Seminar in Advanced Generalist Practice)

ADVANCED STANDING OPTION (30 CREDITS)

Students with adequate preparation in a BSW program accredited by the Council on Social Work Education may not have to repeat subject material at the MSW level. Advanced standing (admission with exemption from up to one year of the MSW curriculum) will be granted to students who provide evidence of satisfactory scholastic performance at the BSW level.

Advanced standing students take the following course plus the "Year Two" courses listed for the two year program:

SWRK	6050	Graduate Study of Social Work for Advanced Standing Students
SWRK	6510	Legal and Ethical Issues in Social Work (Optional)

The Military and Veteran Affairs Focus (see above) is also available to students in the Advanced Standing Option.

COLLEGE OF LIBERAL ARTS



MASTER OF ARTS IN CLINICAL MENTAL HEALTH COUNSELING

PROGRAM OBJECTIVES

Students who complete the Master of Arts in Clinical Mental Health Counseling will:

- 1. Understand professional issues relevant to the practice of counseling and psychology and demonstrate the ability to apply and adhere to the legal and ethical guidelines of the counseling profession.*
- 2. Demonstrate knowledge of and appreciation for individual differences and the diversity of social, cultural, and environmental influences on human behavior and apply multicultural competencies in practice.*
- 3. View human behavior, problems, and concerns from a perspective of human growth and development.*
- 4. Develop an understanding of career development and related life factors and the effects on an individual's mental health and lifestyle.*
- 5. Demonstrate knowledge, skill, and multicultural competency related to counseling needs in the clinical mental health setting: etiology, diagnosis, assessment, treatment, and prevention of mental, emotional, and behavioral disorders.*
- 6. Demonstrate theoretical and experiential understanding of the principles, issues, and dynamics of group work and be able to ethically and competently conduct group counseling.*
- 7. Be able to accurately interpret, evaluate, and contribute to professional research literature and to guide and evaluate counseling practices through research and program evaluation.*
- 8. Demonstrate self-awareness, social and environmental responsibility, and a commitment to services and lifelong learning.*

The Clinical Mental Health Counseling Program is a post-baccalaureate program in psychology that prepares students for careers as professional clinical mental health counselors. The program provides students with intensive instruction in the theoretical framework of psychology and counseling and broad experience in empirically supported methods of practice in counseling.

The program design and training philosophy are informed by the scientist-practitioner model of training in psychology. A primary training goal of the program is to produce clinicians who can integrate the science of mental health research with practice. The program curriculum has been developed in keeping with standards set by the Masters in Psychology Accreditation Council (MPAC) and by the Council for Accreditation of Counseling and Related Educational Programs (CACREP). The curriculum fulfills the academic requirements for state licensure as a Clinical Mental Health Counselor and for counselor credentialing at the national level.

MISSION STATEMENT

The mission of the Master of Arts in Clinical Mental Health Counseling is to prepare students for socially responsible careers as professional clinical counselors. Embedded in the richly diverse cultural context that is Hawai'i, our program strives to meet the changing needs of the global community in which we live and work. Within this multicultural learning environment and in collaborative partnership with community-based and interdisciplinary training sites, we strive to create a learning environment that is grounded in an appreciation for both psychological science and human diversity. Training is based on a scientist-practitioner model, emphasizing evidence-based practice, ethical and cultural competence, and development across the lifespan. Our shared goal is to graduate skilled, productive, and compassionate counseling professionals who are committed to service and lifelong learning.

PREREQUISITES

Admission to the program is based on academic ability and potential for success at the graduate level. Academic ability is evaluated by the applicant's past academic performance, recommendations, and performance on the GRE.

1. A baccalaureate degree from a regionally-accredited college or university in the United States or an equivalent degree from another country.
2. A minimum of 3.0 cumulative undergraduate grade-point average (GPA) based on a 4.0 scale.

3. A minimum of 15 credit hours of work in psychology including at least one course in statistics and one course in research methods.
4. Verbal and Quantitative scores on the Graduate Record Examination.
5. Applicants must demonstrate proficiency in written and verbal English. A test of English as a Foreign Language (TOEFL) examination is required of all foreign applicants from countries in which English is not the native language and who have not attended an American college or university for two consecutive years.

Meeting the minimum requirements does not guarantee admission. Eligible applications are reviewed by the Admissions Committee which uses multiple criteria for the assessment of applicants. Admission is selective. Priority is given to full-time students, but a limited number of exceptional part-time students may be admitted.

COURSE OF STUDY

The Master of Arts in Clinical and Mental Health Counseling program consists of 60 credit hours of required coursework. Typically these may be taken over two full calendar years (i.e., fall, spring, and summer sessions). The program includes a core curriculum of 54 hours and 6 hours of elective courses. The core curriculum includes course work in theory, methods, and skills. During the second year of study, students complete 2 terms of internship designed to provide them with counseling experience in community settings. The course electives enable students to choose courses in specialty areas such as substance abuse counseling and family therapy. Students who wish to prepare for future studies at the doctoral level can also elect to prepare and defend a master's thesis.

CORE COURSES (54 CREDITS)

PSY	6000	Ethical and Professional Issues in Clinical Mental Health Counseling
PSY	6100	Applied Statistics in Clinical and Counseling Psychology
PSY	6200	Research Methods in Clinical and Counseling Psychology
PSY	6310	Cognitive Bases of Behavior
PSY	6320	Biological Foundations of Behavior and Introduction to Psychopharmacology
PSY	6330	Social Psychology and Cultural Diversity
PSY	6340	Developmental Psychology
PSY	6341	Career and Lifestyle Development
PSY	6360	Psychopathology
PSY	6500	Psychological Assessment: Theory
PSY	6501	Psychological Assessment: Practice
PSY	6700	Therapeutic Interventions: Theory
PSY	6701	Therapeutic Interventions: Practice
PSY	6730	Crisis Intervention and Trauma Counseling
PSY	6740	Assessment and Treatment of Substance Abuse/Addiction
PSY	6750	Group Interventions: Theory and Practice

CAPSTONE COURSES

PSY	7100	Clinical Practice and Supervision I—Community Internship
PSY	7101	Clinical Practice and Supervision II—Community Internship

Note: To be placed in an internship, a student must be in good academic standing and have satisfactorily completed PSY 6000, 6500, 6501, 6600, 6700, and 6701.

ELECTIVE COURSES (6 CREDITS)

Choose two courses from the following:

PSY	6350	Forensic Psychology for Counselors
PSY	6760	Counseling Children and Adolescents
PSY	6970	Research Practicum
PSY	7102	Clinical Practice and Supervision III—Community Internship

MASTER OF ARTS IN COMMUNICATION

PROGRAM OBJECTIVES

Students who complete the Master of Arts in Communication will:

- 1. Understand and be able to apply a variety of communication theories.*
- 2. Understand and be able to employ research techniques used in the social sciences to analyze, interpret, and present data effectively.*
- 3. Apply communication principles in professional, social, and personal contexts including in projects for actual clients.*
- 4. Demonstrate dynamic, effective, and persuasive oral communication skills.*
- 5. Write clearly, concisely, correctly, and in an appropriate style for the communication objective.*

CORE COURSES (9 CREDITS)

COM	6000	Communication Theory
COM	6050	Communication Research Methods
COM	6650	Intellectual Property and Media Ethics

ELECTIVE COURSES (18 CREDITS)

Choose six courses from the following:

COM	6010	Strategic Communication
COM	6060	Qualitative Research Methods in Communication
COM	6070	Advanced Media Research
COM	6080	Critical and Rhetorical Studies
COM	6085	Speech Making and Writing
COM	6100	Integrated Communication
COM	6200	Organizational Communication
COM	6250	Public Relations
COM	6300	Corporate Communication
COM	6305	Crisis Communication
COM	6310	International Communication
COM	6315	Tourism and Cross-Cultural Communication
COM	6320	Health Communication
COM	6350	Events Planning
COM	6460	Digital Graphic Design
COM	6500	Teaching Techniques
COM	6510	Web Design
COM	6540	History of American News Media
COM	6545	Literary Journalism
COM	6555	Photojournalism
COM	6580	Social Media: Theory & Practice
COM	6590	Feature Film Screenwriting
COM	6670	Communication and Legal Practice
COM	6700	Promotion Management
COM	6750	Gender Communication
COM	6760	Film Criticism
COM	6770	Media Criticism
COM	6910	Selected Topics in Communication
COM	6970	Current Issues in Communication

CAPSTONE COURSES (6 CREDITS)

COM	7150	Capstone I
COM	7250	Capstone II
COM	7299	Continuing Thesis II Writing

Capstone courses are to be taken at the end of the program.

MASTER OF ARTS IN DIPLOMACY AND MILITARY STUDIES

PROGRAM OBJECTIVES

Students who complete the Master of Arts in Diplomacy and Military Studies will:

- 1. Discuss and apply at an advanced and current level the various methodologies and approaches to the study of history, political science, and international relations in a diplomatic and military context.*
- 2. Place questions and issues concerning the role of the military within their chronological and geographical context in the course of more in-depth inquiries.*
- 3. Make use of critically reflective tools for interpreting pertinent historical, cultural, philosophical, and political issues.*
- 4. Articulate the moral and ethical concerns raised through the study of the relationship of force and diplomacy to society and technology.*
- 5. Demonstrate the ability to integrate complex issues relating to the role of diplomacy and the military in a substantial piece of research, producing a professional paper of quality.*
- 6. Be prepared to undertake further graduate study in history, political science, international relations, and related fields.*

PREREQUISITES

Students from a variety of backgrounds are attracted to this degree program. Therefore, to ensure that each student is adequately prepared for the academic rigors of a graduate-level program, the following courses must be satisfactorily completed as a foundation for graduate studies:

Any two HIST 1XXX introductory level history courses

HIST 3XXX Any upper-division history elective

HIST 4661 History of Military Thought **or** HIST 4961 Seminar: Military History

INTR 3000 International Relations

PSCI 2000 Introduction to Politics

Or 18 undergraduate credits in history, political science, and international relations, including upper-division coursework in military and/or diplomatic history and international relations.

And/Or a combination of experience in diplomatic or military affairs.

CORE COURSES (9 CREDITS)

HIST 6600 Seminar: Military History: Methods, Approaches & Historiography

HIST 6601 Seminar: Theory/Practice Diplomacy

PSCI 6601 Seminar: Diplomacy and International Relations

MILITARY AND DIPLOMATIC HISTORY COURSES (9 CREDITS)

Choose three HIST courses from the following list. At least one must be a diplomatic history elective (HIST 666X and HIST 6998):

HIST 6611 Seminar: War in the Ancient World

HIST 6622 Seminar: The Military Revolution

HIST 6627 Seminar: The First World War

HIST 6628 Seminar: The Second World War

HIST 6631 Seminar: Ways of War in China

HIST 6632 Seminar: Ways of War in Japan

HIST 6641 Seminar: The American Way of War

HIST 6643 Seminar: The American Revolution

HIST 6645 Seminar: The American Civil War

HIST 6648 Seminar: 20th Century U.S. Military History

HIST 6649 Race, Sex, and War in U.S. History

HIST 6650 Oil: History, Security and Sustainability

HIST 6658 Seminar: 20th Century Naval Warfare

HIST 6661 Seminar: European Diplomatic History

HIST 6662 Seminar: U.S. Diplomatic History

HIST 6663 Seminar: East Asian Diplomatic History

HIST 6664 Seminar: Middle Eastern Diplomatic History

HIST 6665 Seminar: International History of the Cold War

HIST 6667 Seminar: Modern American Cultural Diplomacy: "A Diplomacy of Peoples"

HIST	6670	Seminar: History of Genocide
HIST	6680	History of Military Thought
HIST	6990	Nonpaid Internship
HIST	6991	Paid Internship
HIST	6997	Directed Readings in History
HIST	6998	Special Topics in Diplomatic History
HIST	6999	Special Topics in Military History

POLITICAL SCIENCE & INTERNATIONAL STUDIES ELECTIVE COURSES (6 CREDITS)

Choose any two of the following political science (PSCI) and/or international studies (INTR) courses:

Political Science

PSCI	6151	Global Governance
PSCI	6300	Indian Foreign and Security Policy
PSCI	6400	Chinese Foreign Policy
PSCI	6451	Seminar: The Military in Latin American Politics
PSCI	6605	Seminar: Islam & Politics
PSCI	6610	Seminar: Politics of Developing Nations
PSCI	6620	Peacebuilding & Conflict Management
PSCI	6630	National and International Security
PSCI	6650	Seminar: Foreign Intelligence
PSCI	6660	Seminar: Resistance and Rebellion
PSCI	6661	Seminar: Politics of Terrorism
PSCI	6670	Seminar: Democratization and Human Rights
PSCI	6671	Seminar: Transitions to Democracy
PSCI	6680	Seminar: International Negotiating
PSCI	6990	Nonpaid Internship
PSCI	6991	Paid Internship
PSCI	6997	Special Topics in International Relations

International Studies

INTR	6300	International and Domestic Emergency Management
INTR	6997	Special Topics in International Studies

SUPPORTING FIELD ELECTIVE COURSES (6 CREDITS)

Choose two supporting field elective courses from among the following supporting fields: ANTH; ARTH; GLSD; PHIL; STSS

Anthropology

ANTH	6601	Seminar: Violence, Conflict, and War
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Art History

ARTH	6601	Seminar: Artists and Images of War
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Global Leadership and Sustainable Development

GLSD	6001	Seminar in Environmental Governance
GLSD	6340	An Environmental History of the Modern World
GLSD	6360	Sustainability Strategies and Indicators
GLSD	6500	Ecological Economics and Sustainable Development

Philosophy

PHIL	6600	Seminar: Professional Ethics and the Military
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Strategic & Security Studies

STSS	6301	China's National Security and Modern Military Doctrine
STSS	6600	20 th Century Intelligence Operations
STSS	6666	Theory and Practice of Counter Insurgency
STSS	6990	Nonpaid Internship
STSS	6991	Paid Internship

CAPSTONE COURSES (6-9 CREDITS OR MORE)

HIST	7601	Seminar: Research Methods in Diplomacy & Military Studies (3 credits)
HIST	7602	Capstone Seminar: Writing in Diplomacy & Military Studies (3 credits)
HIST	7603	Capstone Seminar: Thesis Writing in Diplomacy & Military Studies (variable 1-9 credits)

MASTER OF ARTS IN GLOBAL LEADERSHIP AND SUSTAINABLE DEVELOPMENT

PROGRAM OBJECTIVES

Students who successfully complete the Master of Arts in Global Leadership and Sustainable Development program will:

1. Think systemically and thus identify and analyze the structural causes that underlie global issues and problems.
2. Search collaboratively for solutions to global problems and issues that meet the expectations of multiple stakeholders within ecological limits.
3. Critique events, decisions, and issues related to globalization in terms of both their short and long-term consequences across multiple stakeholders, including the natural world.
4. Recognize that the dynamic, complex, and interdependent nature of globalization forces requires transparency and democratic processes for optimum solutions if social justice is to be achieved.
5. Analyze global issues using systems thinking concepts and tools, e.g., causal-loop diagrams, timeline analysis, structural analysis.
6. Engage in self-reflection of their leadership potential and put in place a personalized plan to develop the leader within.
7. Conceptualize, initiate, and lead change programs that enhance the sustainable development dimension of human systems.

The Master of Arts in Global Leadership and Sustainable Development is designed to prepare students to lead change initiatives designed to enhance environmental performance, convert economic development into sustainable development, and increase environmental sustainability in all human systems. Students learn to simultaneously search for the underlying causes of global environmental, economic, and social problems while also learning to design and lead initiatives that produce sustainable outcomes for the current and future generations.

The program requires a minimum of 42 credit hours of graduate work. The 42 credit hours are divided into 24 credit hours of core courses, 3 credit hours of a core elective, 6 credit hours of research, and 9 credit hours of a supporting field.

PREREQUISITES

Students from a variety of backgrounds are attracted to this graduate program. Therefore, to ensure each student is adequately prepared for the academic rigors of a graduate-level program, the following courses must be satisfactorily completed as a foundation for graduate studies:

CSCI	3201	Information Management Using Spreadsheets and Databases or MIS 2000 Information Tools for Business
SOC	3100	Methods of Inquiry*
SOC	3200	Social Statistics*

**or the equivalent of 6 credits of undergraduate courses in research methods and statistics.*

CORE COURSES (24 CREDITS)

ENVS	6010	Global Climate Change
GLSD	6000	Sustainable Human Systems
GLSD	6001	Seminar in Environmental Governance
GLSD	6005	Research Methods for Environmental and Social Policy Formation
GLSD	6330	Industrial Ecology and Sustainability
GLSD	6340	Environmental History of the Modern World
GLSD	6350	Global Markets in Transition
GLSD	6500	Ecological Economics and Sustainable Development

Choose one course of the following:

ENVS	6020	Advanced Photovoltaic Systems Design
ENVS	6030	Sustainable Energy Systems
ENVS	6040	Sustainable Building Science
ENVS	6060	Geographical Information Systems 2: Spatial Analysis
ENVS	6300	Modeling and Simulation
ENVS	6920	Special Topics in Environmental Science

GLSD	6360	Sustainability Strategies and Indicators
GLSD	6920	Special Topics in Global Leadership and Sustainable Development
GLSD	6950	Globalization, Environment, and Sustainability Development Practicum
GLSD	6990	Nonpaid Internship (with the Career Development Center)
GLSD	6997	Directed Readings in Global Leadership and Sustainable Development

CAPSTONE COURSES (6 CREDITS)

GLSD	7100	GLSD Professional Paper I
GLSD	7200	GLSD Professional Paper II Capstone

SUPPORTING FIELDS (9 CREDITS)

Choose 3 courses from the following (no double counting with above):

COM	6310	International Communication
COM	6770	Media Criticism
ECON	6400	International Trade and Finance
ECON	6450	The World Economy
ED	6450	Science Curriculum and Instruction
ED	6460	Social Studies Curriculum and Instruction
ENVS	6020	Advanced Photovoltaic Systems Design
ENVS	6030	Sustainable Energy Systems
ENVS	6040	Sustainable Building Science
ENVS	6060	Geographical Information Systems 2: Spatial Analysis
ENVS	6300	Modeling and Simulation
ENVS	6920	Special Topics in Environmental Science
FIN	6100	International Finance
GEOG	4700	Geographic Information Systems
GLSD	6360	Sustainability Strategies and Indicators
GLSD	6920	Special Topics in Global Leadership and Sustainable Development
GLSD	6950	Globalization, Environment, and Sustainability Development Practicum
GLSD	6990	Nonpaid Internship (with the Career Development Center)
GLSD	6991	Paid Internship
GLSD	6997	Directed Readings in Global Leadership and Sustainable Development
HR	6320	Global Human Resource Management
HIST	6650	Oil: History, Security and Sustainability
HIST	6670	History of Genocide
IS	6020	Modern Methods in Project Management
MKTG	6420	International Marketing
OC	6440	Organizational Change and Development
OC	6441	National and Community Change and Development
OC	6442	Culture and Human Organizations
OC	6443	Change Leadership Models and Methods
OC	6446	Consulting Theory and Practice
OC	6447	Consulting and Group Process Facilitation
PSCI	6151	Global Governance
PSCI	6630	National and International Security
PSCI	6610	Seminar: Politics of Developing Nations
PSCI	6620	Peacebuilding and Conflict Management
PSCI	6670	Seminar: Democratization and Human Rights
PSCI	6671	Seminar: Transitions to Democracy

MASTER OF ARTS IN TEACHING ENGLISH TO SPEAKERS OF OTHER LANGUAGES

PROGRAM OBJECTIVES

Students who complete the Master of Arts in Teaching English to Speakers of Other Languages will be prepared to demonstrate ASK:

- 1. Attitudes of a professional: Towards colleagues and students, MA holders will demonstrate teamwork and sensitivity. Towards the discipline, MA holders will demonstrate a spirit of inquiry, critical thinking, and reflection. Towards the global community, MA holders will demonstrate cultural sensitivity and global citizenship.*
- 2. Skills in spoken and written communication, in academic and pedagogical research, and in teaching including materials development and lesson planning, delivery, management, and assessment.*
- 3. Knowledge of the major subfields of linguistics, the theories of second language acquisition, and the principles of language teaching methods: MA holders will be able to articulate their own philosophy of language teaching, explaining the principles on which it is based.*

PREREQUISITES

AL 2000 Introduction to Linguistics

SECOND LANGUAGE REQUIREMENT

MATESOL graduates will have at least an intermediate competence in a second modern language. Native speakers of English must take (or have taken previously at the tertiary level) two years of a language other than English. A student who may have developed a competency in a language, in some other way than formal study, may also meet this requirement by taking the HPU placement test (or its equivalent) for a language, and by placing on a level beyond the equivalent of the second college year of foreign language.

CORE COURSES (21 CREDITS)

AL 6000 Teaching Second Languages: Theory and Practice
AL 6110* English Phonology and the Teaching of Pronunciation
AL 6120* English Syntax and the Teaching of Grammar
AL 6730 Assessment in TESOL
AL 6961 Practicum I in TESOL

And two of the following courses:

AL 6710 Second Language Listening and Speaking
AL 6720 Second Language Reading and Writing
AL 6750 TESOL Materials Development

*Students may be exempted by exam from taking these courses. Exempted courses do not count toward the 36-credit requirement. Electives must be taken in their place.

ELECTIVE COURSES (12 CREDITS)

Choose four courses from the following:

AL 6130 Semantics
AL 6140 Discourse Analysis for Language Teachers
AL 6150 Using Corpora in the Language Classroom
AL 6310 History of the English Language
AL 6320 Language and Society
AL 6340 Translation in Second Language Acquisition
AL 6600 Seminar in Second/Foreign Language Teaching
AL 6740 Research and Issues in Computer-Assisted Language Learning
AL 6750 TESOL Materials Development
AL 6760 Teaching English to Children

New courses may appear on course schedules with the designation AL 68xx. These courses may also be counted as elective courses. An example is AL 6807 Curriculum Development in TESOL.

CAPSTONE COURSE (3 CREDITS)

AL 7099 Practicum II and Capstone

The capstone activity is one of the following:

- A portfolio developed over the time of study in the MA TESOL program.
- A comprehensive examination based on the core courses and the electives taken by the student.
- An in-service project connected with a teaching position the student holds or held prior to entering the program and one to which they will return after the program. The project must be at the request of the other institution and likely to be implemented.
- A thesis that reports on an empirical study in the field of TESOL.

COLLEGE OF NATURAL AND COMPUTATIONAL SCIENCES



MASTER OF SCIENCE IN MARINE SCIENCE

The Master of Science in Marine Science degree program fosters a broad understanding of marine systems through an interdisciplinary program of study. The MSMS program has two tracks:

Thesis Track

The MSMS thesis track is a research-based program that emphasizes a hands-on approach to learning through the completion of an original thesis project under the direct mentorship of an experienced marine science researcher. The purpose of the T-track is to give students the opportunity to develop a strong foundation in research methodology. Individualized programs of study ensure that each student has the best possible preparation based on their interests, background, and abilities. MSMS-T students take core and elective courses while engaging in an intensive, independent research project. Students work side-by-side with a faculty mentor to discover or synthesize knowledge that contributes to the field of marine science.

Applied Track

The applied track provides students with a broad-based, in-depth knowledge of physical, geological, chemical, and ecological processes in the ocean coupled with the technical skills necessary to contribute to the exploration of the marine environment and the management of its living resources. Because the MSMS-A track is designed primarily for students seeking careers in applied resource management, this program emphasizes the practical skills and the analytical expertise required to monitor and manage the global ocean system.

PROGRAM OBJECTIVES

Students who successfully complete the Master of Science in Marine Science will:

- 1. Demonstrate an interdisciplinary knowledge of marine systems.*
- 2. Demonstrate the ability to plan and implement observational, theoretical, and experimental studies.*
- 3. Interpret and critique professional scientific literature.*
- 4. Demonstrate an advanced ability to apply and integrate scientific principles and research data to address complex questions in marine systems.*
- 5. Demonstrate competence in scientific communication through technical and scientific reports, publications and oral presentations.*
- 6. Demonstrate professionalism and scientific ethics.*
- 7. Have the competence to gain employment in advanced positions or entrance to a doctoral program in related fields.*

PREREQUISITES

A baccalaureate degree in the natural sciences is required for entry into the MSMS program. Certain course prerequisites may be required before enrolling in graduate MSMS courses, depending on the student's academic preparation and research interests. For students in the thesis (T) track, the graduate thesis committee will determine whether any deficiencies exist and how these deficiencies will be addressed.

THESIS (T) TRACK (36 CREDITS) CORE COURSES (9 CREDITS)

Student must take at least 3 of the following:

MARS 6050	Marine Ecology (3) or MARS 6090 Biological Oceanography (3)
MARS 6060	Geological Oceanography (3)
MARS 6070	Chemical Oceanography (3)
MARS 6080	Physical Oceanography (3)

NATURAL SCIENCE REQUIRED COURSES (12 CREDITS)

NSCI 6110	Graduate Seminar I—1st semester (2)
NSCI 6112	Graduate Seminar I—2nd semester (1)
NSCI 6120	Graduate Seminar II—Thesis Presentation—3rd or 4th term (1)
NSCI 6900*	Master's Research (5)
NSCI 7000	Master's Thesis Capstone Course (3)

* A minimum of 6 credits of NSCI 6900 must be completed by graduation.

ELECTIVE COURSES (15 CREDITS)

A maximum of 6 credits of advanced undergraduate courses (4000-level) can be taken as a graduate student. A maximum of 5 additional credits of NSCI 6900 Master's Research can be taken as electives. Elective courses are chosen by each student in consultation with their graduate thesis committee.

Graduate Courses

BIOL	6090	Advanced Biometry (3)
BIOL	6120	Ichthyology (3)
BIOL	6170	Larval Biology (3)
BIOL	6210	Neuroscience (3)
BIOL	6220	Immunology (3)
CHEM	6310	Marine Natural Products Chemistry (3)
ENVS	6010	Global Climate Change
ENVS	6020	Advanced Photovoltaic Systems Design (3)
ENVS	6920	Special Topics in Environmental Science (3)
GEOL	6010	Contaminant Hydrogeology (3)
GLSD	6500	Ecological Economics and Sustainable Development (3)
MARS	6010	Toxicology and Stress Responses in Marine Communities (3)
MARS	6020	Marine Science Field Methods (3)
MARS	6030	Marine Mammal Biology (3)
MARS	6040	Seabird Ecology and Conservation (3)
MARS	6050	Marine Ecology (3)
MARS	6090	Biological Oceanography (3)
MARS	6120	Coral Reef Ecology (3)
MARS	6210	Marine Fisheries and Management (3)
MARS	6300	Multivariate Applications in Marine Science (3)
MARS	6400	Marine Conservation Biology (3)
MARS	6910	Current Topics in Marine Science (1)
MARS	6920	Special Topics in Marine Science (3)
NSCI	6130	Communicating Marine Science (2)
NSCI	6450	Teaching Undergraduate Science (3)
NSCI	6900	Master's Research (1–5)

Advanced Undergraduate Course

ENVS	4030	Applied Geographic Information Systems (3)
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APPLIED (A) TRACK (39 CREDITS)

The applied track requires that all students take a comprehensive exam after the completion of the core courses, so that the student can demonstrate competency in the main marine science disciplines.

CORE COURSES (15 CREDITS)

BIOL	6090	Advanced Biometry (3)
MARS	6050	Marine Ecology (3) or MARS 6090 Biological Oceanography (3)
MARS	6060	Geological Oceanography (3)
MARS	6070	Chemical Oceanography (3)
MARS	6080	Physical Oceanography (3)

REQUIRED FOUNDATIONAL COURSES (9 CREDITS)

MARS	6910	Current Topics in Marine Science (2)
MARS	6950	Marine Science Practicum (3) or MARS 6020 Marine Science Field Methods (3)
NSCI	6110	Graduate Seminar I—1st semester (1)
NSCI	6130	Communicating Marine Science (2)

RESTRICTED ELECTIVE COURSES (9 CREDITS)

Students must take at least 3 of the following:

ENVS	6060	Geographical Information Systems 2: Spatial Analysis (3)
ENVS	6300	Modeling and Simulation (3)
GLSD	6500	Ecological Economics and Sustainable Development
MARS	6300	Multivariate Applications in Marine Science (3)
MARS	6500	Computational Methods in Marine Science (3)

MARS 6600 Geospatial Analysis in Marine Science (3)

ELECTIVE COURSES (6 CREDITS)

A maximum of 3 credits of advanced undergraduate courses (4000-level):

Graduate Courses

BIOL 6120 Ichthyology (3)
BIOL 6170 Larval Biology (3)
CHEM 6310 Marine Natural Products Chemistry (3)
ENVS 6010 Global Climate Change (3)
ENVS 6060 Geographical Information Systems 2: Spatial Analysis (3)
GLSD 6500 Ecological Economics and Sustainable Development (3)
MARS 6010 Toxicology and Stress Responses in Marine Communities (3)
MARS 6030 Marine Mammal Biology (3)
MARS 6040 Seabird Ecology and Conservation (3)
MARS 6050 Marine Ecology (3)
MARS 6090 Biological Oceanography (3)
MARS 6120 Coral Reef Ecology (3)
MARS 6210 Marine Fisheries and Management (3)
MARS 6300 Multivariate Applications in Marine Science (3)
MARS 6400 Marine Conservation Biology
MARS 6500 Computational Methods in Marine Science (3)
MARS 6600 Geospatial Analysis in Marine Science (3)
NSCI 6450 Teaching Undergraduate Science (3)

Advanced Undergraduate Courses

ENVS 4030 Applied Geographic Information Systems (3)
MARS 4100 Marine Resource Management: Culture and Sustainability (3)

COLLEGE OF PROFESSIONAL STUDIES



MASTER OF EDUCATION IN EDUCATIONAL LEADERSHIP

PROGRAM OBJECTIVES

Students who complete the Master of Education in Educational Leadership will:

- 1. Understand the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and be able to create learning experiences that make these aspects of subject matter meaningful for students.*
- 2. Understand how children learn and develop and be able to provide learning opportunities that support their intellectual, social, and personal development.*
- 3. Understand how students differ in their approaches to learning and create instructional opportunities that are adapted to diverse learners.*
- 4. Understand and use a variety of instructional strategies to encourage students' development of critical thinking, problem solving, and performance skills.*
- 5. Use an understanding of individual and group motivation and behavior to create a learning environment that encourages positive social interaction, active engagement in learning, and self-motivation.*
- 6. Use knowledge of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the classroom.*
- 7. Plan instruction based upon knowledge of subject matter, students, the community, and curriculum goals.*
- 8. Understand and use formal and informal assessment strategies to evaluate and ensure the continuous intellectual, social, and physical development of the learner.*
- 9. Be reflective practitioners who continually evaluate the effects of their choices and actions on others (students, parents, and other professionals in the learning community) and who actively seek out opportunities to grow professionally.*

Guided by a profound belief in active, collaborative, experiential, reflective, and transformative learning as well as a deep commitment to diversity and educational technology, this degree program is based on an innovative, inquiry-oriented, standards-driven, and field-based curriculum that integrates content and pedagogy and employs an electronic-portfolio-based assessment system to evaluate students' progress toward achieving professional standards. In addition, HPU provides teachers with cutting-edge course-web-page technology tools and access to online periodical databases in education.

University faculty, teachers, and principals join in a unique partnership to deliver an innovative curriculum that has been designed to develop and advance professional educators who are reflective practitioners dedicated to the scholarship of teaching and learning and school renewal. This partnership forms the basis for an alumni 'ohana that provides continuing mentoring and support to its graduates.

The courses are taught in an online cohort format, where students in a cohort follow a set schedule of classes together from start to finish.

CORE COURSES IN EDUCATIONAL LEADERSHIP (30 Credits)

ED	6600	Research in Education
ED	6610	Contemporary Issues in Education
ED	6620	Educational Assessment
ED	6630	Teacher Leadership
ED	6640	Ethics in Education
ED	6650	Self-Management in Education
ED	6660	Diversity and Social Justice
ED	6670	Technology in Education
ED	6680	Budget Analysis and Planning for Schools
ED	6690	School Law

CAPSTONE COURSE IN EDUCATIONAL LEADERSHIP (3 Credits)

ED 6695 Action Research

MASTER OF EDUCATION IN ELEMENTARY EDUCATION

PROGRAM OBJECTIVES

Students who complete the Master of Education in Elementary Education will:

- 1. Understand how learners grow and develop; recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas; and design and implement developmentally-appropriate and challenging learning experiences.*
- 2. Use an understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards.*
- 3. Work with others to create environments that support individual and collaborative learning and that encourage positive social interaction, active engagement in learning, and self-motivation.*
- 4. Understand the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and create learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content.*
- 5. Understand how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.*
- 6. Understand and use multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making.*
- 7. Plan instruction that supports every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context.*
- 8. Understand and use a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections and to build skills to apply knowledge in meaningful ways.*
- 9. Engage in ongoing professional learning and use evidence to continually evaluate their practice, particularly the effects of their choices and actions on others (learners, families, other professionals, and the community) and adapt practice to meet the needs of each learner.*
- 10. Seek appropriate leadership roles and opportunities to take responsibility for student learning and collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth and advance the profession.*

The HPU School of Education provides a master's degree program in elementary education that prepares candidates for licensing in Hawai'i and 49 other states in grades K–6.

Guided by a profound belief in active, collaborative, experiential, reflective, and transformative learning as well as a deep commitment to diversity and educational technology, this degree program is based on an innovative, inquiry-oriented, standards-driven, and field-based curriculum that integrates content and pedagogy and employs an electronic direct-response folio assessment system to evaluate the teacher candidate's progress toward achieving professional standards. In addition, HPU provides teacher candidates with cutting-edge course-webpage technology tools and access to online periodical databases in education.

University faculty, mentor teachers, and principals join in a unique partnership to deliver an innovative curriculum that has been designed to develop professional educators who are reflective practitioners, dedicated to the scholarship of teaching and learning and school renewal.

Prior to admission to clinical practice, teacher candidates seeking the licensure in Elementary Education must have successfully passed the PRAXIS II Elementary Content Knowledge Test.

CORE COURSES IN EDUCATION

ED	6000	The Professional Educator (3 credits)
ED	6100	Child and Adolescent Development for Educators (3 credits)
ED	6200	The Scholarly Teacher (3 credits)
ED	6310	Culturally Responsive Education in Hawai'i (3 credits)
ED	6401	Elementary Education, Instruction, and Assessment I (3 credits)

ED	6402	Elementary Education, Instruction, and Assessment II (3 credits)
ED	6430	The English Language Learner (3 credits)
ED	6700	The Exceptional Learner (3 credits)

CAPSTONE COURSES IN EDUCATION

Next, teacher candidates must then take the following capstone courses before being recommended for licensure:

ED	6510	Elementary Education Clinical Practice Seminar (3 credits)
ED	6511	Elementary Education Clinical Practice I (3 credits)
ED	6512	Elementary Education Clinical Practice II (6 credits)

MASTER OF EDUCATION IN SECONDARY EDUCATION

PROGRAM OBJECTIVES

Students who complete the Master of Education in Secondary Education Program will:

- 1. Understand how learners grow and develop; recognizing that patterns of learning and development vary individually within and across the cognitive, linguistic, social, emotional, and physical areas; and design and implement developmentally appropriate and challenging learning experiences.*
- 2. Use understanding of individual differences and diverse cultures and communities to ensure inclusive learning environments that enable each learner to meet high standards.*
- 3. Work with others to create environments that support individual and collaborative learning and that encourage positive social interaction, active engagement in learning, and self-motivation.*
- 4. Understand the central concepts, tools of inquiry, and structures of the discipline(s) he or she teaches and create learning experiences that make the discipline accessible and meaningful for learners to assure mastery of the content.*
- 5. Understand how to connect concepts and use differing perspectives to engage learners in critical thinking, creativity, and collaborative problem solving related to authentic local and global issues.*
- 6. Understand and use multiple methods of assessment to engage learners in their own growth, to monitor learner progress, and to guide the teacher's and learner's decision making.*
- 7. Plan instruction that support every student in meeting rigorous learning goals by drawing upon knowledge of content areas, curriculum, cross-disciplinary skills, and pedagogy, as well as knowledge of learners and the community context.*
- 8. Understand and use a variety of instructional strategies to encourage learners to develop deep understanding of content areas and their connections and build skills to apply knowledge in meaningful ways.*
- 9. Engage in ongoing professional learning and use evidence to continually evaluate their practice, particularly the effects of their choices and action on others (learners, families, other professionals, and the community) and adapts practice to meet the needs of each learner.*
- 10. Seek appropriate leadership roles and opportunities to take responsibility for student learning; to collaborate with learners, families, colleagues, other school professionals, and community members to ensure learner growth and to advance the profession.*

The HPU School of Education provides a master's degree program in secondary education that prepares candidates for licensing in Hawai'i and 49 other states in grades 6–12 in the disciplines of English, mathematics, science, social studies, and world languages.

Guided by a profound belief in active, collaborative, experiential, reflective, and transformative learning as well as a deep commitment to diversity and educational technology, this degree program is based on an innovative, inquiry-oriented, standards-driven, and field-based curriculum that integrates content and pedagogy and employs an electronic direct-response folio assessment system to evaluate the teacher candidate's progress toward achieving professional standards and proficiencies. In addition, HPU provides teacher candidates with cutting-edge course-webpage technology tools and access to online periodical databases in education.

University faculty, mentor teachers, and principals will join in a unique partnership to deliver an innovative curriculum that has been designed to develop professional educators who are reflective practitioners, dedicated to the scholarship of teaching and learning and school renewal.

ENGLISH CONCENTRATION

Prior to admission to the English concentration, teacher candidates seeking licensure in Secondary Education must have attained:

- A passing score on a licensure test adopted by the Hawai'i Teacher Standards Board in the content field; **or**
- National Board for Professional Teaching Standards certification in the content field; **or**

- A content major consisting of a minimum of thirty credit hours in the content field for a bachelor's degree awarded by an accredited institution of higher education; *or*
- A minimum of thirty credit hours in the content field from an accredited institution of higher education, at least fifteen of which must be upper-division level; *or*
- A master's, specialist, or doctoral degree in the license field awarded by an accredited institution of higher education.

CORE COURSES IN EDUCATION

ED	6000	The Professional Educator (3 credits)
ED	6100	Child and Adolescent Development for Educators (3 credits)
ED	6200	The Scholarly Teacher (3 credits)
ED	6300	The Reflective Practitioner (3 credits)
ED	6310	Culturally Responsive Education in Hawai'i (3 credits)
ED	6420	English Curriculum and Instruction (3 credits)
ED	6430	The English Language Learner (3 credits)
ED	6700	The Exceptional Learner (3 credits)

Prior to admission to the clinical practice courses, teacher candidates seeking licensure in Secondary English must have successfully passed the PRAXIS II Secondary English Content Knowledge Test.

CAPSTONE COURSES IN EDUCATION

Next, teacher candidates must take the following capstone courses before being recommended for licensure:

ED	6520	Secondary Education Clinical Practice Seminar (3 credits)
ED	6521	Secondary Education Clinical Practice I (3 credits)
ED	6522	Secondary Education Clinical Practice II (6 credits)

MATHEMATICS CONCENTRATION

Prior to admission to the mathematics concentration, teacher candidates seeking licensure in Secondary Education must have attained:

- A passing score on a licensure test adopted by the Hawai'i Teacher Standards Board in the content field; *or*
- National Board for Professional Teaching Standards certification in the content field; *or*
- A content major consisting of a minimum of thirty credit hours in the content field for a bachelor's degree awarded by an accredited institution of higher education; *or*
- A minimum of thirty credit hours in the content field from an accredited institution of higher education, at least fifteen of which must be upper-division level; *or*
- A master's, specialist or doctoral degree in the license field awarded by an accredited institution of higher education.

CORE COURSES IN EDUCATION

ED	6000	The Professional Educator (3 credits)
ED	6100	Child and Adolescent Development for Educators (3 credits)
ED	6200	The Scholarly Teacher (3 credits)
ED	6300	The Reflective Practitioner (3 credits)
ED	6310	Culturally-Responsive Education in Hawai'i (3 credits)
ED	6430	The English Language Learner (3 credits)
ED	6440	Mathematics Curriculum and Instruction (3 credits)
ED	6700	The Exceptional Learner (3 credits)

Prior to admission to the clinical practice courses, teacher candidates seeking licensure in Secondary Mathematics must have successfully passed the PRAXIS II Secondary Mathematics Content Knowledge Test.

CAPSTONE COURSES IN EDUCATION

Next, teacher candidates must take the following capstone courses before being recommended for licensure:

ED	6520	Secondary Education Clinical Practice Seminar (3 credits)
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ED	6521	Secondary Education Clinical Practice I (3 credits)
ED	6522	Secondary Education Clinical Practice II (6 credits)

SCIENCE CONCENTRATION

Prior to admission to the Science concentration, teacher candidates seeking licensure in Secondary Education must have attained:

- A passing score on a licensure test adopted by the Hawai'i Teacher Standards Board in the content field; *or*
- National Board for Professional Teaching Standards certification in the content field; *or*
- A content major consisting of a minimum of thirty credit hours in the content field for a bachelor's degree awarded by an accredited institution of higher education; *or*
- A minimum of thirty credit hours in the content field from an accredited institution of higher education, at least fifteen of which must be upper-division level; *or*
- A master's, specialist or doctoral degree in the license field awarded by an accredited institution of higher education.

CORE COURSES IN EDUCATION

ED	6000	The Professional Educator (3 credits)
ED	6100	Child and Adolescent Development for Educators (3 credits)
ED	6200	The Scholarly Teacher (3 credits)
ED	6300	The Reflective Practitioner (3 credits)
ED	6310	Culturally Responsive Education in Hawai'i (3 credits)
ED	6430	The English Language Learner (3 credits)
ED	6450	Science Curriculum and Instruction (3 credits)
ED	6700	The Exceptional Learner (3 credits)

Prior to admission to the clinical practice courses, teacher candidates seeking licensure in Secondary Science must have successfully passed the PRAXIS II Secondary Science Content Knowledge Test.

CAPSTONE COURSES IN EDUCATION

Next, teacher candidates must take the following capstone courses before being recommended for licensure:

ED	6520	Secondary Education Clinical Practice Seminar (3 credits)
ED	6521	Secondary Education Clinical Practice I (3 credits)
ED	6522	Secondary Education Clinical Practice II (6 credits)

SOCIAL STUDIES CONCENTRATION

Prior to admission to the Social Studies concentration, teacher candidates seeking licensure in Secondary Education must have attained:

- A passing score on a licensure test adopted by the Hawai'i Teacher Standards Board in the content field; *or*
- National Board for Professional Teaching Standards certification in the content field; *or*
- An academic major consisting of a minimum of thirty credit hours in the content field for a bachelor's degree awarded by an accredited institution of higher education; *or*
- A minimum of thirty credit hours in the content field from an accredited institution of higher education, at least fifteen of which must be upper-division level; *or*
- A master's, specialist or doctoral degree in the license field awarded by an accredited institution of higher education.

CORE COURSES IN EDUCATION

ED	6000	The Professional Educator (3 credits)
ED	6100	Child and Adolescent Development for Educators (3 credits)
ED	6200	The Scholarly Teacher (3 credits)
ED	6300	The Reflective Practitioner (3 credits)
ED	6310	Culturally Responsive Education in Hawai'i (3 credits)
ED	6430	The English Language Learner (3 credits)
ED	6460	Social Studies Curriculum and Instruction (3 credits)

ED 6700 The Exceptional Learner (3 credits)

Prior to admission to the clinical practice courses, teacher candidates seeking licensure in Secondary Social Studies must have successfully passed the PRAXIS II Secondary Social Studies Content Knowledge Test.

CAPSTONE COURSES

Next, teacher candidates must take the following capstone courses before being recommended for licensure:

ED 6520 Secondary Education Clinical Practice Seminar (3 credits)
ED 6521 Secondary Education Clinical Practice I (3 credits)
ED 6522 Secondary Education Clinical Practice II (6 credits)

WORLD LANGUAGES CONCENTRATION

Prior to admission to the World Languages concentration, teacher candidates seeking licensure in Secondary Education must have attained:

- A passing score on a licensure test adopted by the Hawai'i Teacher Standards Board in the content field; *or*
- National Board for Professional Teaching Standards certification in the content field; *or*
- An academic major consisting of a minimum of thirty credit hours in the content field for a bachelor's degree awarded by an accredited institution of higher education; *or*
- A minimum of thirty credit hours in the content field from an accredited institution of higher education, at least fifteen of which must be upper-division level; *or*
- A master's, specialist or doctoral degree in the license field awarded by an accredited institution of higher education.

CORE COURSES IN EDUCATION

ED 6000 The Professional Educator (3 credits)
ED 6100 Child and Adolescent Development for Educators (3 credits)
ED 6200 The Scholarly Teacher (3 credits)
ED 6300 The Reflective Practitioner (3 credits)
ED 6310 Culturally Responsive Education in Hawai'i (3 credits)
ED 6430 The English Language Learner (3 credits)
ED 6470 World Languages Curriculum and Instruction (3 credits)
ED 6700 The Exceptional Learner (3 credits)

Prior to admission to the clinical practice courses, teacher candidates seeking licensure in Secondary World Languages must have successfully passed the PRAXIS II Secondary World Languages Content Knowledge Test.

CAPSTONE COURSES IN EDUCATION

Next, teacher candidates must take the following capstone courses before being recommended for licensure:

ED 6520 Secondary Education Clinical Practice Seminar (3 credits)
ED 6521 Secondary Education Clinical Practice I (3 credits)
ED 6522 Secondary Education Clinical Practice II (6 credits)

MASTER OF PUBLIC ADMINISTRATION

The Master of Public Administration (MPA) degree is the professional degree for students seeking a career in public service or nonprofit management. This MPA Program develops the skills and techniques used by managers to implement policies, projects, and programs that resolve important problems within their organization and in society. Students may focus their studies by choosing a specific concentration within the Program.

PROGRAM OBJECTIVES

Students who complete the Master of Public Administration will:

1. Identify problems or objectives associated with public administration issues, collect and analyze evidence in support of those problems or objectives, assess assumptions, and define relevant individual perspectives.
2. Recognize and articulate an information need and access, evaluate, and use relevant source material effectively, ethically, and legally to facilitate leadership and management in public governance.
3. Synthesize relevant information and concepts and effectively, clearly, and persuasively articulate their perspectives to a diverse and changing workforce and citizenry.
4. Demonstrate advance knowledge, skills, and public service perspectives which allow for participation in and contribution to the policy process.

CORE COURSES (15 credits)

PADM	6000	Public Administration and Public Service
PADM	6100	Public Personnel Management
PADM	6300	Statistical Analysis for Effective Decision Making
PADM	6400	U.S. Public Policy
PADM	6500	Economics for Decision-Makers

CAPSTONE COURSES (6 credits)

PADM	7001	Professional Paper I
PADM	7002	Professional Paper II

CONCENTRATIONS (15 Credits)

Five additional 3-credit courses must be completed to reach the 12 courses required for the MPA degree. To earn an MPA concentration, the student must complete five courses from one of the following concentration lists:

General

CJ	6700	Leadership and Ethics
CJ	6710	Civil Liability and Civil Rights Challenges
CJ	6720	Criminal Justice Organizations
CJ	6730	Contemporary Issues in Criminal Justice
HMLD	6000	Homeland Security
PADM	6200	Nonprofit Organizations
PADM	6210	Grant Writing and Fundraising
PADM	6220	Staff and Volunteer Management in Nonprofit Organizations
PADM	6270	Strategic Planning for Nonprofit Organizations
PADM	6510	Public Finance
PADM	6610	City Management and Urban Policy
PADM	6640	Diversity in the Workplace
PADM	6998	Special Topics in Public Administration

Criminal Justice

CJ	6700	Leadership and Ethics
CJ	6710	Civil Liability and Civil Rights Challenges
CJ	6720	Criminal Justice Organizations

CJ	6730	Contemporary Issues in Criminal Justice
HMLD	6000	Homeland Security

Nonprofit Management

CJ	6700	Leadership and Ethics
PADM	6200	Nonprofit Organizations
PADM	6210	Grant Writing and Fundraising
PADM	6220	Staff and Volunteer Management in Nonprofit Organizations
PADM	6270	Strategic Planning for Nonprofit Organizations

GRADUATE ONLINE PROGRAMS

Hawai'i Pacific University offers five graduate programs completely online: **Master of Arts in Organization Development and Change (MAODC)**, **Master of Business Administration (MBA)**, **Master of Education in Educational Leadership (MEDEL)**, **Master of Public Administration (MPA)**, and **Master of Public Health (MPH)**. The MBA, MEDEL, MPA, and MPH are offered in 8-week terms; the MAODC is offered on fall/spring/summer schedules for some courses and 8-week sessions for others. The application procedures and admissions requirements are the same as for full term-based programs. Please refer to Admissions in the Graduate Studies section of the catalog or go to the Graduate Admissions website at www.hpu.edu/grad for further information.

Many other graduate programs incorporate online classes into their curriculum to provide more flexibility to meet the needs of students. Programs such as the Master of Science in Information Systems and Master of Arts in Human Development offer a significant portion of their curriculum online. Please refer to the program of interest for further information.

GRADUATE CERTIFICATES

Hawai'i Pacific University offers several graduate certificate programs that new or continuing HPU students may earn. Application and registration information is listed below followed by specific requirements for each program.

Admission Requirements

Students who have earned a baccalaureate degree (or the equivalent to a U.S. college or university degree for international students) with a GPA of 2.7 or higher are encouraged to apply for admission.

Application Procedures

Applicants are required to:

1. Complete the appropriate sections of the graduate application form.
2. Submit application fee of \$50 (U.S. dollars).
3. Send official certified transcripts from all colleges and universities previously attended and supplemental information required by program.

Applications should be sent to:

Admissions Office
1 Aloha Tower Drive
Honolulu, HI 96813

Course Prerequisites

Students enrolled in a graduate certificate program must comply with applicable course prerequisites.

Completion Requirements

Certificate candidates must complete all program requirements with at least a cumulative 3.0 GPA to be awarded a graduate certificate.

COLLEGE OF BUSINESS

Professional Certificate in Business Analytics

The Professional Certificate in Business Analytics involves information technologies, applications, and practices for collection, integration, analysis, and presentation of business data and information to gain insight and drive business planning. This certificate will appeal to working professionals who are interested gaining additional knowledge in information systems and business analytics that enable companies to be more competitive. Additionally, certificates are gateway products that lead some students to become matriculated.

Select four out of the five following courses:

IS	6040	Business Analytics
IS	6230	Knowledge Management
IS	6260	Network Analysis
IS	6280	Data Mining for Business Intelligence
IS	6360	Big Data

Professional Certificate in Human Resource Management

The Certificate in Human Resource Management was designed for HR professionals who would like to update their skills or prepare for promotion or relocation into another functional area of HR. The certificate program caters to those whose professional or personal responsibilities preclude completion of the MAHRM program, as well as graduate students who seek specialized coursework and credentialing in human resource management.

Certificate candidates must complete the following courses:

HR	6400	Human Resource Management
HR	6420	Compensation Management
HR	6450	Safety and Health Management
HR	6460	Human Resource Development

Professional Certificate in Information Systems

The Professional Certificate in Information Systems program is designed to provide knowledge, tools, and techniques for those who are working in, or plan to work in, the field of information systems and information technology. It is appropriate for students who cannot complete all the requirements for a master's degree in information systems, but who want a concentrated study in information systems and technology.

To obtain the certificate, a student needs to complete any four IS 6000-level courses.

Graduate Certificate in International Management

The Graduate Certificate in International Management program prepares students for employment in the international/global environment as more companies of all sizes do business around the globe and in the Pacific region.

Certificate candidates must complete the following courses:

MGMT	6300	International Business Management
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Choose three of the following courses:

ECON	6400	International Trade
FIN	6100	International Finance
GLSD	6330	Comparative Management Systems
IS	6250	Global Information Systems
MGMT	6300	International Business Management
MGMT	6330	National Culture and Comparative Management
MGMT	6350	Global Markets in Transition
MGMT	6430	International Negotiations
MKTG	6420	International Marketing
HR	6320	HRM: A Global Perspective

Professional Certificate in Organization Development and Change

This professional certificate program focuses on change and development at the organizational level. Constant technological, economic, political, and social change have become the norm, and dealing with the rapid pace of change is a challenge faced by almost all professionals around the world. This certificate can be valuable for corporate, community, government, military, and social and human services leaders. Students have the opportunity to study an important field of knowledge and develop valuable skills for creating and implementing successful change. Students can complete the certificate by attending classes on HPU's campus in Honolulu, through on-line distance learning, or with a combination of the two.

Certificate candidates must complete the following courses:

OC	6440	Organizational Change and Development
OC	6443	Change Leadership Models and Methods
OC	6444	Innovations and Creativity
OC	6447	Consulting and Group Process Facilitation

The courses listed cannot be double counted for both the MAODC degree and the ODC Certificate unless completed prior to admission to the MAODC program.

Professional Certificate in Software Engineering

The Professional Certificate in Software Engineering explores the effective management of software engineering and development projects. This certificate will appeal to working professionals who are interested gaining additional knowledge in the software development process, project management, and strategic management. Additionally, certificates are gateway products that lead some students to become matriculated.

Certificate candidates must complete four out of the five following courses:

IS	6020	Modern Methods in Project Management
IS	6050	Software Design and Construction
IS	6065	Database Management
IS	6110	Comparative Methods in Software Engineering
IS	6120	Software Engineering Practicum

Professional Certificate in Telecommunications Security

The Professional Certificate in Telecommunications Security is designed for those who wish to enhance their understanding of telecommunications security. This certificate will appeal to working professionals whose responsibilities include information, internet, and network security. Additionally, certificates are gateway products that lead some students to become matriculated.

Certificate candidates must complete four out of the five following courses:

IS	6070	Systems Architecture
IS	6130	Telecommunications
IS	6250	Global Information Systems
IS	6330	Advanced Issues in Connectivity
IS	6340	Information Systems Security
IS	6380	Systems Forensics

COLLEGE OF HEALTH AND SOCIETY

Post Master's Certificate: Adult-Gero Acute Care Nurse Practitioner

This certificate allows nurses with a master's degree in nursing, usually with a concentration in another nurse practitioner population or focus, and from an accredited school, to re-tool for the concentration of Acute Care Nurse Practitioner, with a population focus of Adult-Gero.

Prerequisites

MATH	1123	Statistics
NUR	4700	Research Proposal Development

MSN Core Courses (18 Credits)

NUR	6000	Advanced Practice Roles in a Diverse Society (3 credits)
NUR	6010	Advanced Pathophysiology (3 credits)
NUR	6015	Community/Public Health Policy and Program Planning (3 credits)
NUR	6020	Advanced Nursing Research (3 credits)
NUR	6025	Applied Drug Therapies for the APRN (3 credits)
NUR	6030	Advanced Physical Assessment (3 credits)

Adult-Gero Acute Care Nurse Practitioner Concentration (25 Credits)

NUR	6980	Fundamentals of Acute Care I (3 credits)
NUR	6982	Advanced Clinical Diagnostics and Technology (3 credits)
NUR	6983	Fundamentals of Acute Care-II (3 credits)
NUR	6984	A-GACNP Practicum I (3 credits)
NUR	6985	Advanced Practice Acute Care III (1 credit)
NUR	6986	A-GACNP Practicum II (6 credits)
NUR	6987	A-GACNP Practicum III (6 credits)

No Capstone project is required for post-master's students

Post Master's Certificate: Family Nurse Practitioner

This certificate allows nurses with a master's degree in nursing from any school accredited by one of the nursing organizations to retool into a family nurse practitioner without completing another master's degree.

Applicants for this certificate program must meet the HPU graduate nursing admissions guidelines and apply in the same manner.

Prerequisites

The MSN Core Courses or their equivalents are required. This includes nurse practitioner preparation, graduate-level advanced pathophysiology, pharmacology, and physical assessment, or their equivalent within the past five years. Applicants may be admitted without these prerequisites, but they will be required to complete them prior to beginning practicum studies. All graduate level NUR course completed will count toward students final GPA.

Certificate candidates must complete the following courses:

NUR	6960	Advanced Theory: Primary Care of Children (3 credits)
NUR	6961	Practicum I (3 credits)
NUR	6962	Advanced Theory: Primary Care of Women (3 credits)
NUR	6963	Practicum II (3 credits)
NUR	6964	Advanced Theory: Primary Care of Adults (3 credits)
NUR	6965	Practicum III (3 credits)
NUR	6966	Advanced Theory: Primary Care of the Geriatric Adult (3 credits)
NUR	6967	Practicum IV: Primary Care of the Geriatric Adult (3 credits)
NUR	6969	Practicum V (3 credits) (Elective)

A master's prepared nurse professionally certified in one of the three practicum components (adult, pediatrics, or women's health) of the family nurse practitioner program would receive credit for previous completion of the equivalent course and practicum.

COLLEGE OF LIBERAL ARTS

Certificate in Environment, Policy, and Leadership

The Graduate Certificate in Environment, Policy and Leadership is designed for students interested in understanding the impact of human activities on natural and environmental systems; designing policies to improve, remediate and restore environmental health; encourage sustainable development; and lead the organization and institutional changes necessary for successful policy implementation.

Certificate candidates must complete the following four courses (12 credits):

GLSD	6000	Sustainable Human Systems
GLSD	6340	An Environmental History of the Modern World
GLSD	6500	Ecological Economics and Sustainable Development
ENVS	6XXX	One pre-approved 6000-level ENVS course* or
MARS	6XXX	One pre-approved 6000-level MARS course* or
GEOG	4700	Geographic Information Systems

*The ENVS 6XXX or MARS 6XXX course must be pre-approved by the program. Students should consult with their graduate advisor first before registering for this course.

Certificate in Global Leadership and Sustainable Development

The graduate certificate prepares students for leadership positions in organizations that transform globalization dynamics into sustainable economic, social, and environmental development practices and programs. Students will learn to put the needs of local traditions, cultures, and communities at the forefront of the globalization dynamic. The certificate emphasizes the import of systemic thinking and critical analysis for understanding the forces of globalization on local cultures, traditions, the natural environment, and social organization.

Certificate candidates must complete the following courses:

GLSD	6000	Sustainable Human Systems
GLSD	6001	Seminar in Environmental Governance or ENVS 6150 Environment, Power and Society
GLSD	6350	Global Markets in Transition
GLSD	6500	Ecological Economics and Sustainable Development

Graduate Certificate in National Security and Strategic Studies

The Graduate Certificate in National Security & Strategic Studies addresses the increasing global, regional, and local concern about contemporary security and strategic issues. It provides tools to help individuals understand contemporary national and international security issues as well as appreciate processes and themes at the cornerstone of strategic planning and decision-making. The program seeks to enhance students' understanding of the complexity and nature of contemporary security challenges and the range of possible responses to such threats. It thus combines study of theories, strategies, and doctrines related to the causes, conduct, and resolution of conflicts as well as the maintenance of peace.

Program of Study

The Graduate Certificate in National Security & Strategic Studies offers professional education for graduate students interested in studying the intersections between force and statecraft as well as national security and strategic decision-making in both domestic U.S. and international contexts. It affords opportunities for regional specialization as well as thematic concentrations in diplomacy, intelligence studies, insurgency/counterinsurgency, conflict resolution, and regional security.

Core Courses (6 Credits):

HIST	6601	Seminar: Theory/Practice Diplomacy
PSCI	6601	Seminar: Diplomacy & International Relations

Elective Courses (9 Credits)

Any three courses from at least two different alphas from the following elective courses

GLSD	6001	Seminar: In Environmental Governance
GLSD	6360	Sustainability Strategies and Indicators
GLSD	6500	Ecological Economics and Sustainable Development
HIST	6650	Oil: History, Security and Sustainability
HIST	6661	Seminar: European Diplomatic History
HIST	6662	Seminar: U.S. Diplomatic History
HIST	6663	Seminar: East Asian Diplomatic History
HIST	6664	Seminar: Middle Eastern Diplomatic History
HIST	6665	Seminar: International History of the Cold War

HIST	6667	Seminar: Modern American Cultural Diplomacy
HIST	6670	Seminar: History of Genocide
HIST	6990	Unpaid Internship
HIST	6991	Paid Internship
HIST	6998	Seminar: Special Topics in Diplomatic History
HIST	6999	Seminar: Special Topics in Military History
INTR	6997	Seminar: Special Topics in International Studies
PSCI	6300	Seminar: Indian Foreign and Security Policy
PSCI	6400	Seminar: Chinese Foreign Policy
PSCI	6605	Seminar: Islam & Politics
PSCI	6620	Seminar: Peacebuilding & Conflict Management
PSCI	6630	Seminar: National and International Security
PSCI	6650	Seminar: Foreign Intelligence
PSCI	6660	Seminar: Resistance & Rebellion
PSCI	6661	Seminar: Politics of Terrorism
PSCI	6680	Seminar: International Negotiating
PSCI	6990	Unpaid Internship
PSCI	6991	Paid Internship
PSCI	6997	Seminar: Special Topics in International Relations
STSS	6301	Seminar: China's National Security and Modern Military Doctrine
STSS	6600	Seminar: 20th Century Intelligence Operations
STSS	6666	Seminar: Theory & Practice of Counterinsurgency
STSS	6990	Unpaid Internship
STSS	6991	Paid Internship

Graduate Teaching English to Speakers of Other Languages (TESOL) Certificate

The Graduate Teaching English to Speakers of Other Languages (TESOL) Certificate is an 18-credit program designed with courses in three areas: linguistic theory, pedagogy (teaching methods), and practicum. With this balanced curriculum, students can prepare themselves for TESOL teaching in the United States or overseas. A full-time student can finish the program in an academic year or one academic year plus a summer session. Part-time students can move through the program at their own pace.

Prerequisite course

AL	2000	Introduction to Linguistics
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Core Courses (two of the following)

AL	6000	Teaching Second Languages: Theory and Practice
AL	6110	English Phonology and the Teaching of Pronunciation
AL	6120	English Syntax and the Teaching of Grammar

Methods Courses (two of the following)

AL	6710	Methods of Teaching Oral/Aural English
AL	6720	Second Language Reading and Writing
AL	6730	Assessment in TESOL

Practicum Course (required)

AL	6961	Practicum I in TESOL
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Elective Courses

Certificate candidates must also take one elective course. Students may select any graduate AL elective course, including a course taken but not counted in the Core Courses, Methods Courses, or Practicum Course sections above.

Transfer Credit: Students may transfer in as many as 6 credits in lieu of required credits in the HPU Graduate TESOL Certificate (GTC). The courses must substitute appropriately for courses in the GTC.

COLLEGE OF PROFESSIONAL STUDIES

Graduate Certificate in Nonprofit Management

The Graduate Certificate in Nonprofit Management is offered to working professionals or other individuals who are interested in gaining additional knowledge, skills, and attitudes necessary to become successful in 501(c)3 organizations. This certificate has a stand-alone program of study which can be taken without prerequisites except admission to graduate studies. Topics include: nonprofit management as a profession, grant writing, fundraising, and volunteer management. In addition, there is an emphasis on leadership which includes strategic planning for nonprofit organizations.

Certificate Objectives

Students who complete the Graduate Certificate in Nonprofit Management will be able to:

1. *Identify problems or objectives associated with public administration issues, collect and analyze evidence in support of those problems or objectives, assess assumptions, and define relevant individual perspectives.*
2. *Recognize and articulate an information need and access, evaluate, and use relevant source material effectively, ethically, and legally to facilitate leadership and management in public governance.*
3. *Synthesize relevant information and concepts and effectively, clearly, and persuasively articulate their perspectives to a diverse and changing workforce and citizenry.*
4. *Demonstrate advanced knowledge, skills, and public service perspectives which allow for participation in and contribution to the nonprofit sector.*

Required Courses

CJ	6700	Leadership and Ethics
PADM	6200	Nonprofit Organizations
PADM	6210	Grant Writing and Fundraising
PADM	6220	Staff and Volunteer Management
PADM	6270	Strategic Planning for Nonprofit Organizations



UNIVERSITY CURRICULUM

READING A COURSE LISTING

Number of **credits** earned by taking the course

Course alpha—shows the subject area

Course number

- Below 1000 = pre-college
- 1000-1999 = freshman level
- 2000-2999 = sophomore level
- 3000-3999 = junior level
- 4000-4999 = senior level
- 5000-7999 = graduate level

ACCT 2000

Principles of Accounting I

An introduction to fundamental accounting principles that include the accounting cycle, records, classification of accounts, financial statements, accounting aids to internal control; current assets and liabilities; depreciation accounting; payroll accounting, accounting principles; and partnerships.

(3)

Course prerequisites

These must be met in order to enroll.

Prerequisite: Any WC&IL I course and MATH 1105 or higher.

ACCT--Accounting

ACCT 2000 (3)

Principles of Accounting I

An introduction to fundamental accounting principles that include: the accounting cycle, records, classification of accounts, financial statements, accounting aids to internal control; current assets and liabilities; depreciation accounting; payroll accounting; accounting principles; and partnerships.

Prerequisite: Any WC&IL I course and MATH 1105 or higher.

ACCT 2010 (3)

Principles of Accounting II

An emphasis on the elements of accounting for corporations. Topics covered include: long-term liabilities; statement of cash flows; introduction to manufacturing accounting; and cost-volume profit analysis.

Prerequisite: ACCT 2000.

ACCT 3000 (3)

Intermediate Accounting I

An emphasis on accounting theory and practical application. Topics covered include: accounting process; financial statements; cash receivables; inventories; and plant, property, and equipment.

Prerequisite: ACCT 2010 and MATH 1130 or higher.

ACCT 3010 (3)

Intermediate Accounting II

A continuation of Intermediate Accounting I with the course covering long-term investments and assets, current and long-term liabilities, stockholders equity, and temporary and long-term investments.

Prerequisite: ACCT 3000.

ACCT 3020 (3)

Intermediate Accounting III

A further extension of accounting theory and practical applications through course topics such as: leases and pension plans, income tax allocations, in-depth analysis of cash flows and financial statements, effects of inflation on accounting, and financial statement disclosures.

Prerequisite: ACCT 3010.

ACCT 3200 (3)

Managerial Accounting

A course on the elements of managerial accounting, including: cost accounting principles and procedures, job and process cost accounting, budgets, standard costs, variable costing, profit-volume analysis, and capital budgeting.

Prerequisite: ACCT 2010 and MATH 1130 or higher; any WC&IL II course.

ACCT 3300 (3)

Federal Income Tax--Individual

A course on income tax laws affecting individuals. Topics include: gross income exclusions, adjusted gross income, deductions from adjusted gross income, personal exemptions, and review of various income tax forms.

Prerequisite: ACCT 2010.

ACCT 3350 (3)

Federal Income Tax--Organization

An examination of income taxation of partnerships, corporations, estates, and trusts. Emphasis is placed on special corporate problems, personal holding companies, sub-chapter S corporations, and related matters.

Prerequisite: ACCT 3300.

ACCT 3380 (3)

Tax Planning and Research

An advanced federal income tax course examining tax research methods and the advantages of tax planning in the making of tactical and strategic management decisions. A problem-oriented course.

Prerequisite: ACCT 3300.

ACCT 3390 (3)

Estate Planning

A course that introduces the student to the estate planning process and includes an overview of federal estate and gift taxes, will, trusts, and powers of attorney. The student also learns various planning techniques to minimize federal estate, and gift taxes and avoid the probate system.

Prerequisite: FIN 3000.

ACCT 3400 (3)

Governmental Accounting

A course on accounting concepts and principles germane to government. Topics include budgetary controls and fund accounting systems.

Prerequisite: ACCT 3010.

ACCT 3700 (3)

Accounting and Information Systems

An introduction to accounting information systems that examines the analysis, design, and implementation of both manual and computer-based systems and compares their relative merits. Emphasis is given to accounting procedures and internal controls, using the case study method.

Prerequisite: ACCT 2010 and CSCI 3201.

ACCT 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

ACCT 3991 (1 to 3)

Paid Internship

See Internship Section.

ACCT 4000 (3)

Advanced Accounting

An introduction to specialized aspects of financial accounting. Topics include: partnerships, consolidations, branch and home office, estates and trusts, consignments and installment sales, fiduciary accounting, and liquidations.

Prerequisite: ACCT 3020 and FIN 3000.

ACCT 4100 (3)

Auditing

An examination of the theory and practice of auditing according to generally accepted auditing standards. The course includes the audit procedures for each transaction cycle and the preparation of auditors' reports.

Prerequisite: ACCT 3020 and 3200; ACCT 3700 or IS 6100.

ACCT 4150 (3)

EDP Auditing

A multidiscipline course covering the theory and practice of auditing EDP systems using the case study method. Course topics include: framework, concerns and objectives, audit procedures, and management perspectives.

Prerequisite: ACCT 3700 and 4100.

ACCT 4997 (1 to 3)

Directed Readings in Accounting

Directed individualized reading.

- ACCT 6000** (3)
Accounting for Managers
 An examination of the application of financial and managerial accounting principles to the process of planning and controlling activities of an ongoing enterprise. Budgeting is examined as a means for implementing and communicating the planning process. Integration of cost accounting, capital budgeting, and management by objectives into the planning function are studied.
Prerequisite: ACCT 2000 and FIN 3000 or equivalents. Graduate standing.
- ACCT 6990** (1 to 3)
Nonpaid Internship
 See Internship Section.
Prerequisite: Graduate standing.
- ACCT 6991** (1 to 3)
Paid Internship
 See Internship Section.
Prerequisite: Graduate standing.
- ACCT 6997** (1 to 3)
Directed Readings in Accounting Directed individualized readings. Repeatable for credit.
Prerequisite: Graduate standing.
- AL--Applied Linguistics**
- AL 1050** (3)
Languages in the Pacific
 Language plays an important role in all matters of human life. In AL 1050, students examine historical and contemporary language use throughout the Pacific Basin, as well as in Hawai'i. Through exploring topics such as, but not limited to, the effects of language contact, characteristics of pidgins and creoles, and stories of language loss and preservation, students develop a better understanding of, and appreciation for, cultural, political, and social issues in the world where they will live, work, and study.
- AL 1100** (3)
Language, Power, and Identity
 AL 1100 develops an awareness of language as an important component of culture and communication. Students investigate the relationship between language, power, and identity by (1) examining how political, historical, and social factors that have shaped or challenged language conventions and standards; (2) analyzing how language choices can express unspoken viewpoints and ideologies and influence thought; and (3) studying how language is used to construct identities such as gender, ethnicity, Deaf, and national identity in domestic and global contexts. Through readings, multimedia, field observations, discussions, and writing, students relate these topics to their own language use.
- AL 2000** (3)
Introduction to Linguistics
 AL 2000 is an introduction to the formal study of language. We investigate the nature of human vs. animal communication and survey subfields of linguistics including the structure of words, sentences, and sound systems. We examine society's language use in phenomena such as slang, dialects, pidgins, creoles, and language extinction. Additional topics include the study of language and the brain, the process of learning first and second languages, language change, and the relationships between languages. Students develop critical thinking and problem solving skills through simulations of linguistic fieldwork exercises and responses to their own experiences with language learning.
Prerequisite: Any WC&IL I course.
- AL 3110** (3)
The English Sound System
 An introductory course in the sound system of English. Topics include: articulatory phonetics, phonetic transcription, sound variation, syllable structure, word and sentence stress, intonation, and phonological rules. The focus is on the pronunciation problems ESOL students might have acquiring English.
Prerequisite: C- or better in AL 2000 or concurrent enrollment.
- AL 3120** (3)
English Sentence Structure
 An introduction to English grammar for the prospective ESOL instructor. Concepts investigated include parts of speech, grammatical relations, phrases, sentence types, and sentence structure. The focus is on the analysis of problems ESOL students might have acquiring English syntax.
Prerequisite: C- or better in AL 2000 or concurrent enrollment.
- AL 3130** (3)
Semantics
 A study of the use of language to communicate meaning. Topics include: the nature of meaning, the semantic relationship between words, the way meaning is encoded in sentences, interpreting utterances in actual speech, morphemes, historical semantics, idioms, and figures of speech.
Prerequisite: C- or better in AL 2000 or concurrent enrollment.
- AL 3140** (3)
Introduction to Discourse Analysis
 An introductory course on the analysis of naturally occurring spoken or written discourse. Students will identify patterns of language in use at the discourse level and practice analytical skills on authentic language samples, with the goal of applying discourse analytical findings to language teaching.
Prerequisite: C- or better in AL 2000 or concurrent enrollment
- AL 3150** (3)
Introduction to Using Corpora
 An introductory course on the functions of English vocabulary and grammar in real-life contexts. Topics include: how to access existing large electronic collections of authentic language (corpora), how to build and use a teacher-generated corpus, and what patterns of language use can be gleaned from corpus examples. The focus is on applying corpus findings in TESOL.
Prerequisite: C- or better in AL 2000 or concurrent.
- AL 3310** (3)
History of the English Language
 The study of the origins and evolution of the English language from Indo-European through Germanic, Old English, Middle English, and Modern English. Other topics include the development of writing and the position of English in the world today. The course is presented from the perspective of applied linguistics.
Prerequisite: C- or better in AL 2000 or concurrent.
- AL 3320** (3)
Sociolinguistics
 An investigation of the relationship between language variation and the following: social class, ethnic group, gender, region, and content. Also discussed are language planning, bilingualism, pidgin/creole languages, and English as a world language. The class focuses on applying the topics above to English language teaching situations.

Prerequisite: C- or better in AL 2000 or concurrent enrollment.

AL 3340 (3)

Translation in Second Language Acquisition

An investigation of translation problems due to differences in structure, concept, culture, and style among languages. Other topics include equivalence, untranslatability, languages in contact, and the use of translation as a tool for teaching and learning a second language.

Prerequisite: C- or better in AL 2000 or concurrent.

AL 3500 (3)

Second Language Learning and Teaching

An introduction to the major theories and issues in the field of second language learning and second language teaching. Topics include first language acquisition, theories of second language acquisition, factors affecting second language acquisition, and learner language. Contemporary perspectives on designing, managing, and assessing language classes will also be covered.

Prerequisite: C- or better in AL 2000 or concurrent enrollment.

AL 3740 (3)

Technology in Language Teaching

An exploration of the effective uses of computers and video in language teaching. Criteria to evaluate computer programs and video series are developed and used to evaluate commercially-available language learning materials. In addition, classroom activities that incorporate this technology and original materials are developed.

Prerequisite: C- or better in AL 2000 or concurrent.

AL 3750 (3)

Creating Language Teaching Materials

A course in materials development for language teaching. We will investigate the various conditions under which teachers need to develop materials; the basic principles which different methodologies suggest for the ordering and types of activities; and the process of evaluating, adapting, and piloting materials.

Prerequisite: C- or better in AL 2000 or concurrent.

AL 3760 (3)

Teaching English to Children

A course exploring an activity-based approach and featuring a wide array of instructional techniques that promote successful teaching of English to children in both second and foreign language settings. Additional topics include, but are not limited to, characteristics of language learners at different ages and stages of development, cognitive and social needs of young language learners, and local and global factors influencing policy and practice in teaching English to children.

Prerequisite: C- or better in AL 2000 or concurrent.

AL 3950 (1)

Language Classroom Experience

Observation experiences in a wide range of language classes. Students may also tutor language learners and assist language teachers in the classroom and/or in co-curricular activities. They meet in periodic seminars, document their observations in a personal log, and reflect on their growing professionalism in a virtual learning community. The course is usually taken one credit at a time over three terms.

Prerequisite: C- or better in AL 2000 or concurrent.

AL 3990 (1 to 3)

Non-paid Internship

See internship section.

AL 3991 (1 to 3)

Paid Internship

See internship section.

AL 4710 (3)

Teaching Listening and Speaking Skills

An investigation of current materials and methods for teaching listening skills, oral fluency, and pronunciation. Also included are methods and materials for evaluating speaking and listening. Students prepare lesson plans and present short teaching demonstrations.

Prerequisites: AL 3110, 3120, or advisor consent.

AL 4720 (3)

Teaching Reading and Writing Skills

An investigation of current materials and methods for teaching reading and writing skills. Also included are methods and materials for building vocabulary, addressing errors, and evaluating reading and writing. Students prepare lesson plans and present short teaching demonstrations.

Prerequisites: AL 3110, 3120, or advisor consent.

AL 4960 (3)

Practice Teaching

Supervised practice teaching in an English language program, most often in Honolulu. Students observe and assist their mentor teacher and, when ready, assume solo responsibility for planning and teaching several lessons. They meet in periodic seminars, document their work in a personal log, and reflect on their growing professionalism in a virtual learning community. The course should be taken in the student's final semester of study unless approved by the TESOL Practicum Coordinator.

Prerequisite: AL 4710 or 4720 and 3 credits of AL 3950.

AL 4970 (3)

Practice Teaching in a Language Other Than English

Supervised practice teaching in a language other than English of which the student is a native or near-native speaker. Students observe and assist their mentor teacher and, when ready, assume solo responsibility for planning and teaching several lessons. They meet in periodic seminars, document their work in a personal log, and reflect on their growing professionalism in a virtual learning community. The course should be taken in the student's final semester of study unless approved by the TESOL Practicum Coordinator. AL 4970 does not substitute for AL 4960.

Prerequisite: AL 4960 or concurrent.

AL 6000 (3)

Teaching Second Languages: Theory and Practice

The course examines major theories of second language acquisition and covers the key concepts and principles in second language learning, second language teaching, and second language research within the field of Teaching English to Speakers of Other Languages (TESOL). Lesson planning, classroom management, and teacher development are also discussed.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6110 (3)

English Phonology and the Teaching of Pronunciation

An advanced course in English phonology for the prospective teacher of spoken English. Topics include the sound system of North American English; the interaction of the sound system with listening, grammar, and orthography; and methods of teaching and improving pronunciation.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6120 (3)

English Syntax and the Teaching of Grammar

An advanced, practical course in English syntax for the prospective teacher of English, using the framework of transformational grammar to analyze problems of non-native speakers in acquiring English syntax. Also included are pedagogical considerations to deal with these difficulties.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6130 (3)

Semantics

Analyzing the use of language to communicate meaning, this course focuses on language-specific differences in meaning representations and how these differences lead to difficulties for learners of second languages.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6140 (3)

Discourse Analysis for Language Teachers

This course focuses on the analysis of language use in written texts or in spoken social interaction. Students will learn key concepts related to how language works at the discourse level and develop discourse analytical skills on authentic language samples. They will relate these concepts and analytical skills to the development of communicative competence in language learning and teaching.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6150 (3)

Using Corpora in the Language Classroom

This course is about the functions of language forms in a wide range of spoken and written contexts. It provides the knowledge, tools, and skills that teachers need in order to build and use corpora (large samples of authentic language). Students in this course examine and practice the application of corpus linguistics to collocation, grammar, discourse and interactional patterns as well as a range of content-based and skill-based teaching activities.

Prerequisite: C- or above in AL 2000 or concurrent.

AL 6310 (3)

History of the English Language

A course investigating the origins and evolution of the English language. A survey of the development of English from Proto-Indo-European through Old, Middle, and Modern English is presented using linguistic, literary, and historical data. The spread of English in recent times and the implications for TESOL are explored.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6320 (3)

Language and Society

Scrutinizing the relationship between language and society, this course applies such findings to the language teaching situation. Topics include variation based on social class, ethnic group, gender, region, and content. Additional topics may include one or more of the following: language planning, bilingualism, pidgin/creole languages, and English as a world language.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6340 (3)

Translation in Second Language Acquisition

A course exploring the differences in structure, concept, culture and style among languages and the resulting problems in translating from one to another. Equivalence, untranslatability, languages in contact, and the use of translation in second

language teaching are also examined.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6600 (1-3)

Seminar in Second/Foreign Language Teaching

Visiting scholars or HPU instructors present topics within their expertise. Topics are those related to language teaching but not currently in the curriculum. Example topics are English in a global context, language policies and language planning, bilingual education, and pragmatics. There is no limit to the number of times the course is taken as long as the topic is different each time it is taken.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6710 (3)

Second Language Listening and Speaking

This course examines both pedagogical and research issues in the teaching of second language speaking and communication processes, communicative competence, language-focused learning, meaning-focused input, meaning-focused output, fluency, syllabus design and lesson planning, and the assessment of listening and speaking skills.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6720 (3)

Second Language Reading and Writing

This course examines pedagogical and research issues in teaching second language reading and writing skills across a range of educational contexts. Topics include first- and second-language literacy, intensive and extensive reading, process- and genre-based theories, building vocabulary and fluency, syllabus design and lesson planning, assessment, and materials selection.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6730 (3)

Assessment in TESOL

A course in the principles and practices of evaluation in language learning and teaching. While classroom use of teacher-made tests is emphasized, other topics include program and institutional testing, methods of evaluation without tests, and teacher and program evaluation. Students develop, administer, and evaluate tests.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6740 (3)

Research and Issues in Computer-Assisted Language Learning

After investigating current research in CALL (computer-assisted language learning), this course explores methods of using CALL and video in language teaching. Students conduct a critical review of commercially available language learning materials and develop classroom activities that incorporate CALL.

Prerequisite: AL 2000 or concurrent. Graduate standing.

AL 6750 (3)

TESOL Materials Development

A seminar that explores the principles of textbook selection and evaluation, task adaptation and design, and the process of materials development for use in ESOL teaching and learning.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6760 (3)

Teaching English to Children

A course exploring the approaches and implementation of activities for teaching English to young learners who are speakers of other languages. Characteristics of children of different ages are discussed along with what they can be expected to do linguistically. Other topics include: classroom management, lesson planning, and multisensory activity development.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6961 (3)

Practicum I in TESOL

A practicum course offering the student opportunities to observe, participate, and assist in ESOL classes both on and off campus. Also included is a professional development project. The individual student's background is considered in designing the practicum. Periodic seminars help students explore insights gained while carrying out practicum components.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AL 6990 (1 to 3)

Nonpaid Internship

See Internship Section.

Prerequisite: Graduate standing.

AL 6991 (1 to 3)

Paid Internship

See Internship Section.

Prerequisite: Graduate standing.

AL 7099 (3)

Practicum II and Capstone

This capstone course embraces both the applied and scholarly facets of a graduate degree in TESOL. Students undertake an individually designed student teaching experience and complete one of four program options in scholarship: (a) portfolio, (b) comprehensive examination, (c) in-service project, or (d) thesis. The course includes periodic seminars.

Prerequisite: C- or better in AL 2000 or concurrent. Graduate standing.

AMST--American Studies

AMST 1776 (3)

Essential America

The basic ideas, events, and people that have shaped the USA today, focusing on what one needs to know for better participation and success in American society, politics, and business. Short readings and images from past and present are related to current options and viewpoints by extensive student discussion and audio-visual interpretive commentary.

AMST 2000 (3)

Topics in American Studies

Students explore American culture and values through analyzing primary texts while focusing on a specific theme, topic, historical period, or the experiences of a particular group. The particular emphasis is reflected in the course title and the course may be repeated for credit if the topic changes.

Prerequisite: Any WC&IL I course.

ANTH--Anthropology

ANTH 1500 (3)

Contemporary Social Activism in Hawai'i

This course is an ethnographic approach to social activism with a focus on Hawai'i and Hawaiian organizations. Through a

combination of field trips, observations, and readings, this course will introduce students to the basic concepts of anthropology and ethnographic studies as it relates to social activism and a changing society as viewed within the O'ahu microcosm.

ANTH 2000 (3)

Cultural Anthropology

A general introduction to cultural anthropology. Topics covered include: the nature of culture, basic concepts for analyzing cultural behavior, and consideration of the effects of culture upon the individual and society.

ANTH 2400 (3)

The Anthropology of Polynesian Surfing

The Anthropology of Polynesian Surfing provides students with an understanding of surf culture in the Pacific Basin. Environmental and cultural factors are assessed in relation to surfing's development in Polynesia, integration into Hawaiian culture, decline due to Western influence, and revitalization as a modern recreational activity. The importance of surfing then and now is studied in regards to greater social and cultural events and issues in Hawai'i and abroad. An overview of various natural sciences is given as each relates to surfing.

Prerequisite: Any WC&IL I course.

ANTH 2401 (3)

Island Surfing Sites: A Cultural Field Study

Island Surfing Sites: A Cultural Field Study provides students with an understanding of surf culture in the Pacific Basin by using various islands as models to highlight the importance of surfing in ancient and modern culture in Hawai'i. Field activities may include surfing demonstrations and instruction, opportunities to speak with local culture informants, and field trips to various cultural sites and museums to study Hawai'i's surfing heritage. This elective course provides students with an experiential ethnographic opportunity that is critical to anthropology as a discipline and complementary to other courses offered by the college.

Prerequisite: Any WC&IL I course.

ANTH 3000 (4)

Is Global Citizenship Possible?

This course addresses "global citizenship" by focusing on two questions: (1) Given that cultural diversity is a key characteristic of our species, how can we organize political communities so different people with different beliefs and behaviors feel a part of the same political community? and (2) How can we address the political and economic disparities that pervade our current global networks in order to build broader political communities that unite through shared interests and hopes rather than common hatreds?

Prerequisite: Any WC&IL II course.

ANTH 3115 (3)

Culture, Religion, and the Environment

Western and non-Western cultural and religious perspectives on the relationships between people and the environment.

Prerequisite: A grade of C- or higher in any WC&IL II course; any introductory social science course.

ANTH 3180 (3)

Culture, Economic Systems, and Management

Selected economic questions regarding exchange, development, and business management within a broad cross-cultural perspective. The applicability of Western economic concepts to non-Western societies, theories of development and underdevelopment for third world countries, and economic development of the Hawaiian Islands pre-and post-contact are explored.

Prerequisite: Any introductory social science course; any WC&IL II course.

ANTH 3200 (3)

Medical Anthropology

The study of health issues and disease within a broad cross-cultural perspective. Organization of medical beliefs and services in non-Western settings is explored as a means of better understanding aspects of our own medical system.

Prerequisite: Any introductory social science course; any WC&IL II course.

ANTH 3350 (3)

Diversity in the Workplace

The study of the dynamic changes taking place in the world of work due to increasing ethnic diversity and the numbers of women entering the workplace. Using the concept of culture as developed by anthropologists, the course explores such topics as wage differentials, stereotypical careers, equal employment opportunity, management styles, discrimination, communication styles, and harassment.

Prerequisite: A grade of C- or higher in any WC&IL II course; any introductory social science course.

ANTH 3400 (3)

The Anthropology of Food

The course focuses on the political economy of food, agriculture, and nutrition from a cultural and historical perspective at both the local and global or ("glocal") levels. It explores local, national, and global food systems to answer puzzling questions such as: How does obesity in the U.S. link to "global" hunger? Why do people keep talking about "eating local," "food sovereignty," and "grass-fed beef"? At a time that we are producing more food than ever in history, why are there *still* starving people in the world? What does cultural history tell us about how and why we eat the way we do?

Prerequisite: A grade of C- or higher in any WC&IL II course; any introductory social science course.

ANTH 3500 (3)

Appreciating Pacific Worlds

The cultural and historical traditions of Pacific peoples--in Polynesia, Melanesia and Micronesia. Also considers how Pacific Islanders have coped with change during the past two centuries as well as the perceptions and misperceptions of Islanders by Western writers.

Prerequisite: A grade of C- or higher in any WC&IL II course; any introductory social science course.

ANTH 3580 (3)

Impact of Tourism on Local Culture

The study of the impact of tourism upon the cultures where it has developed. Case studies are presented to illustrate these influences, with particular emphasis given to the Pacific region. Adaptive strategies to create cultural and environmental synergy are also discussed, including management by values, proactive cultural ecology, and compatible destination community development.

Prerequisite: A grade of C- or higher in any WC&IL II course; any introductory social science course.

ANTH 3600 (3)

Poverty and Culture

This is a service-learning course offering direct participant-observation with homelessness in Hawai'i. The seminar will meet both on and off campus with social service organizations. Students examine the discursive role social science, social work, and political economy play in the identification and enactment of public policies and ideology regarding impoverished people. Students will work with social work practitioners and their clients while analyzing the

consequences of economic transformations in the United States and in particular Hawai'i and Micronesia. The course offers students training in ethnographic methods, community education, political activism, and globalization.

Prerequisite: Any introductory social science or humanities course.

ANTH 3650 (3)

Taboos

This course examines what taboos are and how they operate in our lives and society. *Tabu* serves as an entrance into broader cultural analysis through examination of context and, when possible, explanation of prohibited behavior in various western and non-western societies. Discussions of subjects rich in religious, social, and political sensitivity including sexuality, witchcraft, cannibalism, human-animal relations, madness, deformity, body modification, and death are explored and analyzed in the course.

Prerequisite: ANTH or SOC 2000.

ANTH 3900 (3)

Anthropological Thoughts and Theories

The purpose of this course is to facilitate an understanding of recent developments in anthropology and the related human sciences. Students are introduced to dominant theoretical approaches that have shaped anthropological research and writing over the past century and a half. This course constitutes an attempt both to supply such an historical context and to explore the potential uses of anthropology in the contemporary world. This is a require course for the BA in Anthropology.

Any WC&IL II course; ANTH 1000 or 2000.

ANTH 6601 (3)

Seminar: Violence, Conflict, and War

A course that looks at war and conflict from an anthropological perspective. Topics that are considered in the course may include the relationships between social organization and war, the biological factor in violence, and the role played by gender in conflict and violence.

Prerequisite: Graduate standing.

AQUA--Aquaculture

AQUA 1200 (3)

Global Aquaculture for Food Security and Conservation

Students will learn about the interdisciplinary field of aquaculture, which plays a critical role in global food production and aquatic ecosystem conservation. Topics to be covered include water quality, culture systems, nutrition, biology of fish and shrimp culture, and aquatic animal disease. Topics will be integrated into a broader context where students will learn about the role of aquaculture in global food security, human health, and aquatic ecosystem conservation, as well as aspects of operating an aquaculture business. The course will be taught by leading researchers from Oceanic Institute, HPU faculty, and local content experts.

ART--Art

ART 1010 (2)

Color Flow

This class is for all who wish to enjoy the unique flow and spontaneity of watercolor. Students will explore various techniques including wet into wet; blended wet; negative glazing; layering color on color; and using resists, opaques and textures. Different drawing techniques will also be introduced. Nature will be our subject matter. Beginners are welcome.

ART 1040 (2)

Introduction to Pastel

The first half of this course will cover pastel safely, controlling the mess, lifting and cleaning areas, techniques (applying pastel to paper to create effects and textures), and layering and mixing color. The second half will cover integrating the color and value of toned paper as part of the painting. Painting will be done from still life set ups. Basic drawing skills will be helpful. Each class will include demonstrations, personal help, and critiques.

ART 1050 (2)

Introduction to Painting

An exciting beginning course that covers materials, techniques, composition, and color theory through lecture and beginning painting projects. The class projects and demonstrations will emphasize seeing value and interpreting it into paint. Acrylic paints are suggested for this class. Beginners or students looking to refresh their fundamental skills are welcome.

ART 1060 (2)

Color Flow: Watercolor Plus

Enjoy the flow and spontaneity of watercolor. Contrast the transparent, luminous color with highlights of other water media, including opaque gouache, watercolor crayon, pastel, and a bit of collage. All students, including beginners, are welcome who wish to explore the many possibilities of this versatile, joyful medium.

ART 1070 (2)

Watercolor I and II

This course is open to all levels including beginners and experienced painters. The studio will have a cooperative atmosphere where students will learn from each other. Subjects will center around still life and occasionally figure painting from a live model. Each session will conclude with a roundtable critique of student work.

ART 1071 (2)

Watercolor I and II: Exploring Creativity

This class is designed to stimulate creativity and to encourage the development and growth of personal expression. Beginning as well as advanced students are welcome. Students will experiment with different ways of handling color, value, and composition using both traditional and contemporary water media techniques. Personal imagery, still life, landscape, and painting from life will be explored.

ART 1072 (2)

Beginning Watercolor

Students will learn a fresh approach to watercolor painting as they develop skills in drawing, brushwork, paint handling, composition, and color. Students will be encouraged to paint subjects that interest them. Individual concerns will be addressed. Demonstrations, discussions, and critiques will be offered in each class. Beginners and intermediates welcome.

ART 1073 (2)

Introduction to Oil Painting

Receive one-on-one instruction and be inspired by other artists in this open studio format for novice to advanced students. From technical improvements in brush, medium, drawing, and color choices to conceptual developments in composition, subject, scale, and series. Oil Painting will help achieve personal art goals in a relaxed setting.

ART 1074 (2)

Painting People

This in-depth class is for students wishing to greatly improve their ability to draw and paint people. Open to artists working

in oil, pastel, watercolor, and drawing media, the heart of this class involves working from the live model in short and longer poses, culminating in creating situational, true-to-life studies. Artistic seeing, practical anatomy, artistic judgment, color, and color mixing are some of the many topics that will be covered.

ART 1075 (2)

Drawing and Painting Adventures

Lessons that enhance visual awareness and creativity will develop a student's artistic abilities. Students will see and create differently. Learn basic drawing and painting techniques and fundamental art principles through group exercises and individualized instruction.

ART 1076 (2)

Soft Pastel

Learn the techniques for successful "painting" with soft pastels. Working from still life, students will be introduced to the fundamentals of composition and use of color mixing with pastels. Each class includes demonstrations, personal help, and critiques. The class is geared to beginners but is open to all levels of experience. Advanced students will receive individualized coaching.

ART 1080 (2)

Transparent Watercolor

The uniqueness of transparent watercolor will be explored. Students will concentrate on achieving color glow and intensity, transparent layering, strong design and shape making, and personal expression. Beginning as well as advanced students are welcome.

ART 1110 (2)

Ceramics

This course is for beginners as well as experienced ceramists. Hand building and wheel skills will be demonstrated. Instruction will be presented in clay types, glaze application, and chemistry as well as kiln styles and construction. The operation of kilns, loading, firing, and maintenance will be explained in detail and practice. Teaching will be individualized and will be culturally diverse and inclusive. The most recent changes concerning art, art making by practice, and the spiritual will be explained. Cross-cultural comparisons will be a regular part of this course.

ART 1111 (2)

Ceramics: Basic

Emphasis of the course will be on hand building in pinch, coil, and slab techniques to create ceramic forms/sculptures with attention to individual projects. A variety of basic glazing techniques will be covered. The course will also use supplemental videos, films, books, etc. Open to beginning students.

ART 1112 (2)

Ceramics: Creative Clay

Learn beginning and intermediate clay handling techniques. Slab, coiled, and wheel thrown forms will be explored. Individual projects will be encouraged. Course includes discussions on high fire glazes, glaze application, and kiln operation.

ART 1113 (2)

Ceramics: Figurative

Open to intermediate and advanced students with prior experience in clay hand building; knowledge of figurative art and anatomy very helpful. Learn a variety of really-fussy techniques for forming hollow, hand-built stoneware figures, starting with a female or male nude. Specific construction and detailing will be covered in an intensive class that offers one-on-one attention. The primary focus is on clay handling, expression

and multiple-part joinery.

ART 1114 (2)

Ceramics: Handbuilding

Emphasis of the course will be on hand-building in pinch, coil, and slab techniques to create ceramic forms/sculptures with attention to individual projects. A variety of basic glazing techniques in the low to medium range will be covered. The course will also use supplemental videos, films, books, etc. Open to continuing, intermediate, and advanced students with prior basic hand-building and glazing experience.

ART 1115 (2)

Ceramics: Surface

Students will have the opportunity to work with stoneware and/or porcelain clay. Basic slab, coil, and wheel thrown techniques will be covered. Emphasis will be on individual projects exploring various building technique and surface treatment. Course includes discussion on high fire glaze, glaze application, and kiln operation.

ART 1116 (2)

Ceramics, Smoke and Fire

Discover the poetic relationship between fire and clay and be immersed in an age-old creative process. This class focuses on different methods and techniques of raku, pit, and sawdust firing. Student will gain understanding of the history and science behind these techniques and create ceramic objects suitable for these firing methods. They will also experience the process up close and personal, learning about kiln placement, fire and smoke management, and ware transfer. Students should have some experience in ceramics and expect physical activity, excessive heat, and smoke.

ART 1117 (2)

Ceramics: Wheel Throwing

Explore forms from the basic bowl to the more complex teapot. Basic wheel throwing skills will be developed to create forms such as bowls, mugs, plates, bottles, and vases as well as expressive functional and nonfunctional pieces. Techniques covered will include stacking, coiling, joining, cutting, distorting, and basic glazing. Individualized instruction will be emphasized to meet all skill levels from the beginner to the advanced wheel thrower.

ART 1118 (2)

Ceramics: Clay Another Way

In this class for beginning and advanced ceramic enthusiasts, one will learn unconventional and esoteric ways of building with clay to create functional and sculptural works of art. Both handbuilding and wheel throwing techniques are covered in this class as well as a number of firing processes including high fire and raku. No experience necessary, though open minds are required in this fun, fast paced class.

ART 1119 (2)

Gemology

Students will learn how to identify precious stones and metals including jade, diamonds, sapphires, rubies, gold, silver, and platinum. The course will also cover how gems are graded and cut and how to shop for jewelry. Both beginners and repeat students welcome.

ART 1120 (2)

Basic Jewelry

This class will provide the student with a well-rounded solid foundation in basic metal-working techniques. These include soldering, piercing, forging, centrifugal casting, fabrication, and finishing techniques.

ART 1121 (2)

Jewelry with an Attitude

Metal, stone, and fire up close and personal! The pragmatic approach to basic jewelry techniques through a series of projects emphasizing direct fabrication in metal. Students will be encouraged to incorporate found objects in their work.

ART 1122 (2)

Beading with an Attitude

Learn to knot pearls, refurbish old necklaces, and create new ones while having a great time in a synergistic environment.

ART 1123 (2)

Metalsmithing & Jewelry Design

This course will develop knowledge and skills in the area of metalsmithing and jewelry design through the use of various techniques, tools, and equipment. A strong sense of craftsmanship and attention to detail will be emphasized. Projects will cover piercing, riveting, soldering, construction, stretching, and finishing.

ART 1124 (2)

Jewelry: Moving Metal

Basic fabricating, forging, and finishing techniques will be covered with attention to craftsmanship and caring for the tools. Students will explore the movement of metal through forging and surface textures and then incorporate their discoveries by designing and creating jewelry. Open to all levels.

ART 1125 (2)

Narrative Jewelry Design

Design and create a narrative jewelry piece that makes a personal statement. Students will be encouraged to express their personal stories by incorporating stones, found objects, photographs, and more. Students will explore a range of techniques such as basic soldering, piercing, and riveting; forming (pressing, forging), stone setting, and embellishing surface (stamping, embossing, roll printing). Beginning and intermediate students welcome.

ART 1126 (2)

Beginning Metals

This course will develop student's knowledge and skills through the various techniques, tools, and equipment. Projects will include piercing, riveting, soldering, and finishing.

ART 1127 (2)

Jewelry: Basic Fabrication

Learn the basics of making jewelry from metal sheet and wire. Learn how to saw, solder, cold connect, shape, and finish metal to create jewelry via assigned projects and the student's own ideas. Class will also cover texturing (hammered, stamped, roller printed) and simple stone setting. Some tools provided, personal hand tools recommended (list available). Additional fees for metals used.

ART 1130 (2)

Basic Drawing

A course in the fundamentals of drawing: line, shape, value, proportion, form, and space. The media can be as simple as a lead pencil or mixed media, depending on the desire of the student.

ART 1131 (2)

Drawing I

This course is designed to familiarize the student with the mechanics and materials of drawing. The student will use a variety of traditional and non-traditional materials to learn the techniques of line, contour, gesture, and shading.

Emphasis will be on developing the student's confidence in his or her drawing abilities.

ART 1132 (2)

Drawing II

A continuation of ART 1131 Drawing I.

ART 1133 (2)

The Art of the Sketch

Looking, seeing, finding a line, a tone, a movement, a page, a book, an image, freedom, limitation, and style. A beginning and also an end.

ART 1134 (2)

Life Drawing Studio

This class is for those who want to explore personal approaches to figure study in a stimulating informal setting. Motivated models will provide creative poses ranging from two minutes to 20 minutes. Individual critique will be available and group discussions will be encouraged. Students at all levels are welcome.

ART 1135 (2)

Figures Without Fear

Capture the essence of the human form using an intuitive approach with an emphasis on gesture and simplification. Through demonstration and critique, students will be encouraged to find a personal viewpoint to explore the model's attitude rather than anatomy. A variety of drawing and painting media will be used, and students at all levels are welcome.

ART 1136 (2)

Cartooning for Adults

Rediscover the joy of drawing through cartooning. If a student skips past the dreary headlines of the daily paper straight to the comics page, this class is for him or her. Lots of hands-on exercises will help the student in the discovery of his or her own unique style

ART 1137 (2)

Design

A new class in design is offered to beginners or advanced students. Color theory, painting, collage interior design, and other design forms will be covered in the class, and students may choose the area of design they would like to pursue.

ART 1138 (2)

Portrait Drawing and Painting

This course addresses the structural nature of the human head and the effects of various lighting when depicting the head in charcoal and various paint media. The anatomy of the head will be studied beginning with the skull, then focusing on the drawing of details such as the nose, eyes, lips, and hair. Photographs will be used as reference at first, followed by live models. Special attention will be given to the particular interests and styles of the students so they can develop techniques according to their goals.

ART 1139 (2)

Illustrated Comics

We are looking for people who like to tell stories through 80 years of comic history. Drawing with a focus structure, themes, and sequential art will be emphasized. The class is open to all levels although prior drawing experience is preferred.

ART 1140 (2)

Drawing the Landscape

See the dramatic surroundings of Honolulu and O'ahu with new eyes as you discover the pleasures of *plein-air* drawing

with colored pencils or pastel. Explore new techniques and materials and learn about the long and rich tradition of landscape art.

ART 1141 (2)

Basic Design

This design class will be useful to people at all levels of expertise from beginners to advanced. Many design forms will be covered including color theory, painting, collage, and interior design as well as others. In this creative, supportive learning environment, students will be able to choose the area of design on which they prefer to focus. Students will learn to see design all around them and/or fine tune what they already know.

ART 1150 (2)

Chinese Brush Painting

The class introduces students to various Chinese painting techniques. The subjects to be covered will include landscapes, flowers, birds, and other animals. Emphasis will be placed on the selection of paint brushes, color blending, form, contour, composition, and proportion. Beginners with a strong interest or students with experience in the art of Chinese painting are welcome.

ART 1151 (2)

Intuitive Painting I

This class is for anyone who is interested in exploring new and unusual approaches to painting and drawing on paper and canvas with a variety of media. Serious but lively investigations of techniques with emphasis placed upon both emotional and mental responses each student wishes to explore in his or her work. This class is designed to stimulate creatively in all forms of art.

ART 1152 (2)

Go with the Flow of Watercolor

Explore the joy of watching paint and water mingle on paper. Students will learn how to apply just the right amount of control to bring the composition together and bring forth their own unique creations. All levels are welcome.

ART 1160 (2)

Shodo--Japanese Calligraphy

With a history of over 2000 years, Japanese calligraphy has evolved into a highly revered Asian art form. The class will introduce students to various calligraphy materials, different writing styles, and the esthetics of a well-balanced work. The class is geared for beginning students, but those with prior experience in Japanese or Chinese calligraphy are welcome.

ART 1161 (2)

Flower Arranging

Sogetsu Ikebana is a form of contemporary art. Students will learn how to use a variety of materials and create beautiful flower arrangements. The class also offers lessons in basic creativity. Students will learn how to arrange anytime, anywhere. Only 15 students will be accepted. Offered in two ongoing seven-week sessions. Both beginners and advanced students welcome.

ART 1180 (2)

Life Drawing

Traditional and contemporary approaches to seeing and interpreting the figure that will encourage and strengthen the drawing skills of the beginner and the experienced student. Materials include charcoal, pastel, and acrylics.

ART 1190 (2)

Beginning Painting

An exploration of the exciting world of color and composition

while learning to paint with oils or acrylics in different techniques. Students with previous experience welcome.

ART 1200 (2)

Watercolor I

Instruction in fundamental watercolor technique with introduction of materials. Emphasis will be on increasing control of the media and compositional elements. Various exercises will be introduced to develop a color, light, texture, and shape awareness. Most classes will be concerned with a still life set up in the classroom. There will be some experience with landscape on location.

ART 1201 (2)

Watercolor

Students learn from each other in a cooperative studio atmosphere. Students work with still life and occasionally from a live model. Each session concludes with a roundtable critique of student work. All levels of experience are welcome.

ART 1202 (2)

Projects in Painting

Problem solving is the core of painting at any level of proficiency. New students are assigned projects to match their needs and improve skills, focusing on value, color, composition, subject matter, and the creative process. Experienced students are encouraged to create their own projects and will be coached through the problem-solving process that their paintings dictate. Students benefit from the camaraderie and creative energy of a class environment designed to nurture the painting process at all levels. Students may work in any painting media.

ART 1203 (2)

Collage: The Elements of Art

Collage art offers a unique way to express yourself. Instruction is focused on the formal elements of art. Using various collage techniques, students improvise and experiment with the principles of design. Unity, variety, repetition and rhythm, balance, emphasis, and color theory will be explained. A progression of projects will challenge and instruct students in this nourishing review of the building blocks of art making.

ART 1204 (2)

Painting: The Social Life of Colors

Explore the world of color. This class is for anyone interested in developing their understanding of color and individual artistic potential. Group exercises and individual instruction will guide students in the selection of art supplies, mixing of color, the application of paint, understanding color theory, developing visual awareness, and energizing your creative process. Students may choose to work with oils or acrylics.

ART 1205 (2)

Painting with the Modern Masters

In this studio class, students put brush to canvas and paint using the techniques and styles of the masters of Impressionism, Fauvism, Cubism, Surrealism, and Expressionism. No prior painting experience is necessary, just a passion to paint and explore.

ART 1206 (2)

Portraiture: Me, Myself, and You

Explore the world of color. This class is for anyone interested in developing their understanding of color and individual artistic potential. Group exercises and individual instruction will guide students in the selection of art supplies, mixing of color, the application of paint, understanding color theory, developing visual awareness, and energizing your creative process. Students may choose to work with oils or acrylics.

ART 1207 (2)

Painting and Drawing the Portrait

Open to painting and drawing media, this studio class provides an opportunity to learn and practice the basics of painting and drawing the human head from a live model. A practical approach to portraiture; topics include: anatomy and structure, lighting, color selection, color mixing, and techniques that will optimize your ability to see and paint the human head in a convincing, expressive way.

ART 1208 (2)

Figure Drawing

This course addresses essential drawing principles and relates them to the human figure in pictorial space. Students will gain in-depth understanding of the body's underlying anatomical structure and geometry. Students will address volume, movement, proportion, perspective, light notation, and anatomy while drawing from a live model. Processes taught include gesture drawing, contour drawing, and full value drawing.

ART 1209 (2)

Intaglio II

A studio experience for students familiar with basic intaglio technique. Students work independently with individualized guidance.

Prerequisite: Intro to Intaglio or permission of instructor.

ART 1210 (2)

Painting I and II

Two classes in one! For the beginning student, this course will provide a solid foundation in oil or acrylic painting in a simplified and painless way. A variety of methods and subject matter will be explored. Advanced students will be guided in the development of their artistic vision and personal expression.

ART 1211 (2)

Advanced Painting

This class is for students who wish to explore gesture as a means and an end to painting. Gesture in this case will be thought of as direction or inclination and will require of students a strong sense of purpose. Any painting media and choice of content can be used. Emphasis will be given to the push and pull concept of the painting process. Class projects will be a collaboration of student and teacher with the student providing direction and the teacher guidance.

ART 1212 (2)

Color Flow: Watercolor Plus

Enjoy the flow and spontaneity of watercolor. Contrast the transparent, luminous color with highlights of other water media, including opaque gouache, watercolor crayon, pastel, and a bit of collage. All students, including beginners, are welcome who wish to explore the many possibilities of this versatile, joyful medium.

ART 1213 (2)

Painting the Head and Figure from Life

This class is for all artists interested in drawing and painting from the model in an unhurried, systematic fashion. Ideally suited for painters in oil, pastel, and drawing media, the heart of this class is the extended-length study, with both clothed and nude models. The class includes numerous demonstrations by the instructor as well as personal critiques and encouraging one-on-one dialogue.

ART 1214 (2)

Screen Printing

Using hand-drawn and photographic images, students learn to use a photomechanical technique to develop multiple-color screen prints. Students learn basic hand-printing

techniques, multiple-layer registration, color application, and theory. Most printing is on paper, but students are encouraged to experiment with textiles, wood, etc. Course culminates with a portfolio exchange.

ART 1215 (2)
Raku

Students work with hand-built and wheel-thrown stoneware as they learn about raku firing, glazing, resist application, and more. Tools and safety are also covered, as well as other low-fire methods, including “popcorn” and horsehair firing.

ART 1216 (2)
New Bamboo Sculpture

Explore the fabrication of bamboo into satisfying works of art. Students prepare the raw materials--splitting, sizing, sanding, and soaking the bamboo. Learn construction techniques such as weaving, pegging, gluing, and binding. Make pieces suitable for wall hanging and freestanding works for an outdoor environment. The class is scheduled for the morning when the light and temperature are best, in the inspiring setting of Spalding House.

ART 1220 (2)
Breakthrough Painting

This class is for the intermediate painter who wants to work in a lively studio workshop environment. The class will enhance your ability to see, think, and paint with an emphasis on subject matter. Individual and group projects will be designed to encourage each person's own style of painting. Group discussion in historical art movements and theory will be an added bonus. Oil or acrylic paints can be used for this class.

ART 1230 (2)
Watercolor II

An exploration in watercolor with emphasis on developing personal approaches and techniques primarily in landscape on location and in the studio. Still life, color studies, composition, memory painting, and sketching will also be covered. Watercolor I or its equivalent is required. There will be an introduction to figure sketching. Optional neighbor island painting experience on Kauai or the Big Island (trip price to be announced).

ART 1240 (2)
Painting Studio I

This class is for experienced painters who would like to set aside the time to explore individual projects in a supportive, informally structured “open studio” environment. One-on-one coaching and group interaction will assist students in resolving problems and finding the confidence to generate their own aesthetic voice. All painting mediums are welcomed.

ART 1250 (2)
Introduction to Printmaking

A course designed to acquaint the student with basic techniques of printmaking and an understanding of their application in producing prints. Emphasis will be placed on the intaglio (etching) process. The student will have the opportunity to produce line etchings, aquatint, and soft ground etchings and to deepen his or her appreciation of the art of printmaking.

ART 1251 (2)
Photo Printmaking

This class offers students the chance to explore photographic printmaking through a variety of methods. The methods covered will be digital photo etching, digital photo lithography, cyanotype and Van Dyke brown alternative photo processes. Students will need to have

access to a computer with Adobe Photoshop program on it.

ART 1255 (2)

Screen Printing: An Introduction

Students will be introduced to a variety of stencil making techniques, including cut-paper, drawing fluid resist, and photomechanical emulsion. Screen-printing topics will also include strategies for registration, reductive editions, color layering, and types of flocking (collage by screen-printing). Students will be invited to participate in an exchange portfolio.

ART 1260 (2)
Printmaking II

A class that offers the opportunity for individuals who are familiar with basic intaglio techniques to pursue their own interests within those techniques and/or explore the possibilities of the calligraphy, monoprint, woodcut, etc. Admittance to the class is subject to the approval of the instructor. Individualized attention by the instructor will be offered as each student pursues the development of all aspects of his or her work.

ART 1270 (2)
The Painting Studio

This class is for all levels of painters who would like to set aside the time to explore individual projects in a supportive, informally structured “open studio” environment. One-on-one coaching and group interaction will assist students in resolving problems and finding the confidence to generate their own aesthetic voice. All painting mediums are welcomed.

ART 1280 (2)
Papermaking

An exploration of the artistic potential of handmade paper using simple processes utilizing recyclable papers, cotton linters, and abaca pulps. Students will learn to make screens, prepare and color pulps, and make sheets of paper. Three dimensional and casting techniques will also be explored. Students will have an opportunity to develop a personal approach to papermaking projects and incorporate other media with handmade paper.

ART 1290 (2)
Studio Visits With the Masters

Explore the roots of the 20th century modern art in America by viewing rare historical videos on ground-breaking artists like Picasso, Duchamp, Pollock, and many more. Listening to these masters speak about their own work and seeing them in action in their studios provide students with an intimate knowledge of art history that doesn't exist in textbooks or university lecture halls. At each session different artists will be highlighted. Lively discussion sessions will follow each video with selected bibliographies and handouts on key artists provided.

ART 1380 (2)
Abstract Painting or Drawing

A course that emphasizes on composition and working with primary colors. The first half of the course will be semi abstract with still life, landscape, self-portrait, portrait, and the human figure. The second half will concentrate on nonobjective, pop art, abstract expressionism, and minimal art. Students may work in oil, acrylic, or watercolor paint. Course includes art appreciation video.

ART 1400 (2)
Introduction to Intaglio

Students will become familiar with basic techniques of intaglio printmaking. Emphasis is placed on etching, but students will have opportunity to work with aquatint and soft

grounds. Beginners and repeat students are welcome.

ART 1410 (2)

Lithography

Instruction in the methods of recording an original image on lithographic stone or metal plate to create lithographic prints on paper in black and white. Advanced students will include color printing.

ART 1411 (2)

Lithography: The Art of Drawing & Painting on Stone

This course begins with an introduction to basic stone lithography, branching out later in the semester to include other print processes. The course will be structured with an emphasis on personal artistic development.

ART 1420 (2)

Basketry

A course that introduces the student to basic skills, techniques, and concepts in creating beautiful and functional baskets. Students will learn to use a variety of natural, manmade, and local materials and incorporate a number of weaving techniques. Advanced students are also welcome.

ART 1425 (2)

Fiber Arts

Students will explore a wide variety of fiber art techniques including batik, fabric painting, felting, simple weaving on frame looms, and papermaking. Emphasis will be on creative self-expression and exploring the possibilities of working with fiber and fabric.

ART 1431 (2)

Textile Design

Students will have the opportunity to learn the craft of textile design. The course includes an introduction to printing on fabric and creating drapery, dress fabric, or fabric panels for display. Students will have the stimulating adventure of working on original designs on paper and printing them on fabric. Course includes slide lectures and a trip to the Honolulu Museum of Art to familiarize students with the background of textile design.

ART 1432 (2)

Weaving I and II

This session students will learn about Ripsmatta or what is now called Rep Weave, a warp-faced block design technique that produces a ridged fabric. Used mainly to make rugs, it can be adapted to make other items such as a table runner or bag. To help the first-time weaver, a simple sampler will be required. Students should bring measuring tape, scissors, notebook, and pencil to class. Not all materials will be provided and students will need to purchase own yarns.

ART 1433 (1 to 3)

Shibori and Indigo Dyeing

This class will combine the classical techniques of tie-dye (shibori, bhandani, tritik, plangi) with the magical process of vat dyeing with indigo. The basics of both traditional and contemporary tie-dye will be covered. Students will be encouraged to apply these techniques to their own creative projects.

ART 1450 (2)

Smaller Than Your Head Art Object Art

Create small toy-like sculptures, work-intensive jewelry that you will never make money selling, and other mystery forms. A variety of craft mediums such as wire, sculpey, fake fur, celluclay, and doll parts will be used. Since playing with your work is important, simple movements will be explored. Your mixed media amusements will open and close, spin around,

and fall apart, not necessarily in that order. Creations include: a petting zoo, a mirror into the self, and a six-inch bear rug (with claws and teeth). Share your sculptures with your friends and watch them nod politely and slowly back away to the door. This course is suitable for anyone who has a sense of humor and small pliers.

ART 1451 (2)

Collage I & II

The art of collage offers a unique alternative in self-expression and composition through the application and deconstruction of visual surfaces. Using various collage techniques, students will experiment with elements of art such as color, texture, and shape, in both formal and improvisational ways. The historical background of collage and various conservation methods will be discussed. In addition, selected guest artists will share their work and processes, adding to the students' overall collage vocabulary.

ART 1510 (2)

Origins of Modern Art in America

A unique way to explore modern art in America! Students will learn by viewing rare historical videos on groundbreaking artists like O'Keefe, Picasso, Duchamp, Pollock and more. Listening to these artists speak about their work and seeing them in action in their studios provide students with an intimate knowledge of art history that doesn't exist in textbooks. Lively discussion sessions will follow each video with selected bibliographies and handouts on key artists provided.

ART 1520 (2)

Pop Art to the Present

A unique way to explore contemporary art movements from 1960 to the present. Students will learn by viewing rare historical videos on groundbreaking artists like Andy Warhol, Robert Rauschenberg, Jasper Johns, Ray Johnson, Elizabeth Murray and more. The course will start with a video reviewing art from the first part of the 20th century. At each session a different artist will be examined. Lively discussions will follow each video with selected bibliographies and handouts on key artists provided.

ART 1700 (1)

American Film Directors

Tired of all those mindless movies at the multiplexes? Try this refresher course in the classics, exploring the artistry and excellence of great film directors throughout cinema history. D.W. Griffith, Howard Hawks, John Ford, Billy Wilder, and Charlie Chaplin are among the innovators whose work continues to inspire filmmakers to this day. This course will explore their remarkable achievements through clips, discussions, and exclusive screenings of key films.

ART 1701 (1)

Rediscovering French Film 2

ARTH--Art History

ARTH 1001 (3)

Arts of Oceania

The arts and architecture of the indigenous peoples of the Pacific Rim and center. The course covers the aesthetic traditions of diverse people and non-European civilizations whose cultures inhabit the Pacific Ocean. Hawaiian culture and arts are interpreted within in this context. The primary discipline of the course is art history; however, anthropology, archeology, geography and colonial history are integral to the course.

- ARTH 2301** (3)
Topics in World Art History
 An examination of the artistic traditions of the world from earliest times to the present. The central theme will alternate each semester among the following: I: Arts of Asia, II: Tribal Arts, III: Foundations of Western Art. Course is repeatable for credit if the topic is different.
Prerequisite: Any WC&IL I; may be taken concurrently.
- ARTH 3206** (3)
Renaissance to Modern Art
 The art and architecture of Europe and America from the Renaissance to modern times. The course explores values, ideas, and propaganda as expressed in art.
Prerequisite: Any WC&IL II course.
- ARTH 3301** (3)
Art of China
 The art of China from the Neolithic to the Qing Dynasty. Major trends and folk arts are discussed.
Prerequisite: Any WC&IL II course.
- ARTH 3321** (3)
Art of Japan
 The art of Japan from earliest times to the nineteenth century. Painting, sculpture, and architecture in light of indigenous ideas and foreign contacts are examined.
Prerequisite: Any WC&IL II course.
- ARTH 3351** (3)
Art of India and South East Asia
 The history of the spread of Indian art and its transformation in the cultures of Southeast Asia.
Prerequisite: Any WC&IL II course.
- ARTH 3551** (3)
Art of the Pacific
 The art and architecture of Indonesia, Melanesia, Micronesia, and Polynesia in its pre-European context.
Prerequisite: Any WC&IL II course.
- ARTH 3552** (3)
Art of Polynesia
 The art and architectural tradition of cultures within the Polynesian triangle.
Prerequisite: Any WC&IL II course.
- ARTH 3556** (3)
Art of Hawai'i
 The art of Hawai'i from its possible origins to the arrival of Christianity is examined. The course includes sculpture, architecture, temple structures, petroglyphs, feather works, and bark cloth.
Prerequisite: Any WC&IL II course.
- ARTH 3611** (3)
Art and the Human Body
 An overview of how societies and cultures around the world have related to the form of the human body. The course surveys ideal body types and concepts of deformity as depicted in art. Body art is examined including tattooing, scarification, surgical procedures, body painting, and the use of jewelry and textiles. The course also covers how medical treatment has been the subject of art and how art has been used to heal or harm the human body.
Prerequisite: Any WC&IL II course.
- ARTH 3811** (3)
Experiencing Japanese Culture
 This course examines Japanese art and visual culture in a wide range forms. Through sociopolitical analysis, students will become familiar with Japanese art and culture through a critical study of how the traditional forms are represented in popular culture, including those surrounding us in our daily lives. Students will travel to Japan during the spring break to actually experience Japanese culture and learn about the significant and spiritual background of historical heritages through first-hand engagement with actual locations.
Prerequisite: Any WC&IL II course.
- ARTH 6011** (3)
World Art History
 This course will cover broad themes in the cultures of the West, Asia, the tribal world, and pre-Columbian civilizations. It will explore how different cultures conceptualized artistic problems and esthetic solutions according to their own standards and those imposed upon them by history and circumstances. The class will combine class topical presentations by the instructor and students, reviews and critiques based upon the reading list, and a research paper.
Prerequisite: Graduate standing.
- ARTH 6601** (3)
Seminar: Artists and Images of War
 A seminar that discusses how war has been portrayed by artists from earliest times until the present day. Some of the themes that may be included are war as depicted in public art, war as shown by soldier-artists (and photographers), the power of military images, and art for war memorials.
Prerequisite: Graduate standing.
- ARTS--Arts**
- ARTS 1000** (3)
Introduction to Visual Arts
 An introductory visual arts course covering elements of art, principles of design, and the creative process. Major historical movements in art are covered as well as student expressions in various visual media and forms. Lectures and studio demonstrations.
- ARTS 1003** (3)
Sustainable Art & Design
 An introductory visual arts course that covers sustainability as it relates to art and design. Artists and designers who consciously implement sustainability practices will be explored, with an attention to historical context and larger cultural meaning. Students also complete basic studio art projects and group projects that relate to sustainability. Lectures and studio demonstrations.
- ARTS 2010** (3)
Beginning Drawing
 This course is an introduction to basic drawing techniques. Students will use various media to create form-space relationships through contour line, value, shape, perspective and composition. Emphasis is on developing confidence in observational drawing skills and visual problem solving.
- ARTS 2020** (3)
Intermediate Drawing
 A course designed to allow the serious student to further develop their drawing skills as an artist and to begin to develop their work more independently. Projects will have an emphasis on expressiveness and originality, using various drawing materials, and explorations of color.
Prerequisite: ARTS 2010.
- ARTS 2150** (3)
Introduction to Design
 Introduction to Design is a broad, introductory visual arts course that covers elements of design as it relates to your daily life and to art in general. Major historical movements in

design will be covered and major designers will be introduced through an examination of 2D design (graphic design), interiors (product design, furniture design, and interior design), and exteriors (architecture). Students will be exposed to the practice of design through guided projects in basic two-dimensional design and color that emphasize concepts presented in class. Lectures and studio demonstrations.

ARTS 3010 (3)

Introduction to Sculpture

This course is an introduction to cultural three-dimensional techniques as well as an introduction to the theory and practice of sculpture. Students will explore a variety of media, techniques, and concepts.

Prerequisite: Any ARTS or ARTH course.

ARTS 3020 (3)

Introduction to Painting

This course introduces basic painting techniques and provides an introduction to the theory and practice of painting. Students will explore a variety of media, techniques, and concepts that pertain to painting.

Prerequisite: Any ARTS or ARTH course.

ARTS 3051 (3)

Photography

This course introduces the student to the principles and techniques of photography. It includes an understanding of how cameras work, the history of photography, ethics of photography, photojournalism, and specialized photographic applications. Students must have an adjustable digital camera. Printing and photo editing will be introduced utilizing the latest versions of Photoshop.

Prerequisite: Any WC&IL II course.

ARTS 4901 (3)

Advanced Studio Projects

This course covers advanced projects in sculpture, drawing, painting, or photography. Students will participate in advanced interdisciplinary critiques, read contemporary critical theory in the visual arts, and do presentations about their work and the work of other relevant artists. Students will also complete a capstone project that will involve an exhibition on the HPU campus.

Prerequisite: ARTS 2010, 2020, 3010, 3020, or 3051.

AS--Aerospace Science

AS 1010 (1)

Foundations of the United States Air Force

Study of the total force structure, strategic offensive and defensive, general purpose, and aerospace support forces of the Air Force in the contemporary world.

AS 1011 (1)

Initial Military Training I

Laboratory consists of activities that focus and promote the Air Force way of life. Instruction will include leadership and followership development, teamwork, physical fitness training, and activities designed to build camaraderie and esprit de corps. Course is open to all majors.

AS 1020 (1)

Foundations of the United States Air Force

Continuation of AS 1010

AS 1021 (1)

Initial Military Training II

Laboratory consists of activities that focus and promote the Air Force way of life. Instruction will include leadership and

followership development, teamwork, physical fitness training, and activities designed to build camaraderie and esprit de corps. Course is open to all majors.

AS 2010 (2)

Evolution of USAF Air and Space Power

Study of Air Force heritage, Quality Air Force principles, ethics, and an introduction to leadership and group leadership problems. Application of written and verbal communication skills is included.

AS 2011 (1)

Field Training Preparation I

Laboratory consists of preparing second-year AFROTC cadets with the skills needed to successfully complete AFROTC field training. Students will learn basic military skills, field training skills, and participate in physical fitness training.

AS 2020 (2)

Evolution of USAF Air and Space Power

Continuation of AS 2010

AS 2021 (1)

Field Training Preparation II

Continuation of AS 2011.

AS 2510 (1)

Leadership Laboratory

Laboratory on the basic skills of leadership and followership. Lab includes application of leadership/followership skills, various field trips to military installations, group projects, and physical training. Repeatable one time.

AS 3510 (3)

Air Force Leadership Studies I

Integrated management course emphasizing the military officer as a manager in the Air Force, including individual motivational and behavioral processes, leadership, communication, and group dynamics.

AS 3511 (1)

Intermediate Cadet Leadership I

Laboratory consists of demonstration of leadership and management skills needed to successfully function as an Air Force officer. Instruction will include lessons covering planning, organizational and communication skills, and the ability to use available resources to complete an assigned task.

AS 3520 (3)

Air Force Leadership Studies II

Continuation of AS 3510.

Prerequisite: Must have completed AS 3510.

AS 3521 (1)

Intermediate Cadet Leader II

Continuation of AS 3511.

Prerequisite: must have completed AFROTC Field Training; or consent.

AS 4010 (3)

National Security Affairs I

Study of the national security process, regional studies, advanced leadership, ethics, and Air Force doctrine. Special focus placed on preparation for active duty and current issues affecting professionalism.

Prerequisite: AS 3520 or consent. (Fall Only)

AS 4011 (1)

Senior Cadet Leader I

Laboratory consists of providing prospective Air Force officers opportunities to continue to develop leadership, managerial, and supervisory skills. Instruction will include

preparation for active duty.

AS 4020 (3)

National Security Affairs II

Continuation of AS 4010.

Prerequisite: AS 4010 or consent.

AS 4021 (1)

Senior Cadet Leader II

Laboratory consists of providing prospective Air Force officers opportunities to continue to develop leadership, managerial, and supervisory skills. Instruction will include preparation for active duty.

Prerequisite: must have completed 3510 and 3521 or consent.

ASIA--Asian Studies

ASIA 3950 (3)

Asian and Pacific Studies Practicum

This course is an individual project which is geared around the idea of personal application of ideas and skills learned in the Asian Studies Program to practical situations and analysis. **Capstone course.**

Prerequisite: Any WC&L II course and Junior or Senior standing.

ASIA 4900 (3)

Asian and Pacific Studies Seminar

This course is the capstone course in Asian Studies. It seeks to give students an understanding of key issues in the discipline and to encourage students to reflect on the larger intellectual contexts that frame their own particular interests within the field. **Capstone course.**

Prerequisite: Any WC&L II course and Junior or Senior standing.

BIOL--Biology

BIOL 0900 (3)

A course intended to prepare selected nursing and pre-medical studies majors for BIOL 2030 (Human Anatomy and Physiology) and BIOL 2050 (General Biology). It imparts a general knowledge of the fundamentals of chemistry and biology, as needed by students entering these three lower-division courses.

BIOL 1000 (3)

Introductory Biology

An introductory survey of the major areas of the biological sciences designed to equip students with information enabling them to make rational, informed decisions about biologically relevant issues. The course includes topics such as cell structure and function, metabolism, mitosis and meiosis, protein synthesis, evolution, animal diversity, anatomy and physiology, ecology, and conservation biology.

BIOL 1200 (3)

Human Biology

Human Biology is a survey course for non-science majors covering topics such as the scientific method, human evolution, hierarchical anatomical structures (atoms to organs), and the normal physiology of organ systems in humans. Although an emphasis is placed on students' understanding of the non-diseased systems, topics such as AIDS, cancer, use of supplements, and other environmental impacts are introduced.

Prerequisite: Undergraduate standing.

BIOL 1300 (3)

Nutrition: Eat Smarter

This course is an introduction to nutrition and its relationship

to health. Micronutrients are categorized by their function in the body (tissue guardians, antioxidants, energy generators, essential electrolytes, mineral power plants, blood fortifiers, bone builders). To personalize these concepts, students conduct an assessment of their own eating habits. Students evaluate sources of nutrition information, conflicting opinions and motives, and develop their own value system as a foundation for studying ethical and moral issues concerning food and nutrition.

BIOL 1500 (3)

Conservation Biology

An introductory undergraduate course designed to introduce students to the biological sciences. The course will emphasize the nature of biodiversity, the growing threats to biodiversity, and ecologically sound conservation, and resource management practices designed to slow its loss.

BIOL 2010 (3)

The Human Life Cycle

An introduction to the biochemical and hormonal control of human growth and reproduction.

BIOL 2030 (3)

Anatomy and Physiology I

The first semester of a comprehensive introduction to the structure and function of the human body. The course includes topics such as gross body organization and related terminology; review of cell structure and function; and anatomy and physiology of the integumentary, musculoskeletal, nervous, and endocrine systems from the molecular level in cells to the integrated working of the human body.

Prerequisite: Any WC&L I course MATH 1115 or higher except MATH 1123.

BIOL 2031 (1)

Anatomy and Physiology I Laboratory

Laboratory component of BIOL 2030.

Prerequisite: BIOL 2030 or concurrent.

BIOL 2032 (3)

Anatomy and Physiology II

A continuation of BIOL 2030. The course includes topics such as the circulatory and immune systems, respiration, body fluid balance, urinary system, reproduction and inheritance, and human development.

Prerequisite: BIOL 2030.

BIOL 2033 (1)

Anatomy and Physiology II Laboratory

Laboratory component of BIOL 2032.

Prerequisite: A grade of C or better in BIOL 2031; BIOL 2032 or concurrent.

BIOL 2040 (3)

Microbes and Human Health

A survey of the biology of microbes and their effects on human health designed to give health professionals an appreciation of the importance of microbes in our world as well as concepts of how to promote healthy microbial interactions and inhibit those that may lead to disease.

Prerequisite: BIOL 1000 or CHEM 1000.

BIOL 2041 (1)

Microbes and Human Health Laboratory

As a foundation course for many healthcare disciplines, the laboratory experience endeavors to illustrate and apply the principles of microbiology and sterile technique. This course should be taken concurrently or following BIOL 2040. It will meet every other week in the lab to perform microscopy, isolations, and plating illustrating the lecture material. The

opposite weeks, the course will meet in the classroom to take quizzes and review and analyze laboratory-acquired data, with a focus on scientific writing for laboratory reports.
Prerequisite: BIOL 2040 or concurrent.

BIOL 2050 (4)
General Biology I

The first semester of a rigorous introduction to modern biology for students intending to major in the natural sciences. The course includes topics related to biological structure and function, from the molecular level in cells to the integrated workings of organisms. Darwinian evolution is emphasized as a unifying theme in biology.

Prerequisite: A grade of C or better in MATH 1130 or higher (or a math SAT of at least 550 or a math ACT of 24 or greater); a grade of C or better in any WC&IL I course (or a verbal SAT of 510 or an English ACT of 21 or greater).

BIOL 2051 (1)
General Biology I Laboratory L Laboratory component of BIOL 2050. *Prerequisite: BIOL 2050 or concurrent.*

BIOL 2052 (4)
General Biology II

A continuation of BIOL 2050. The course includes mechanisms of heredity and biological evolution, the history of life in all its major forms, and the ecological contexts and constraints of its existence.

Prerequisite: A grade of C- or better in BIOL 2050.

BIOL 2053 (1)
General Biology II Laboratory
Laboratory component of BIOL 2052.

Prerequisite: A grade of C or better in BIOL 2051; BIOL 2052 or concurrent.

BIOL 2170 (3)
Ethnobotany: People and Plants

An introduction to the history of human use of plants as food, medicine, and materials, with emphasis on examples from the Hawaiian Islands. Patterns of cultural interchange promoting the collection and spread of knowledge of plants and their cultivation and use will be examined, as well as prospects for future discoveries from ethnobotanical study of different cultures.

Prerequisite: Any WC&IL I or WC&IL II course.

BIOL 3010 (3)
Hawaiian Natural History

The unique biota in marine, freshwater, and terrestrial habitats of the Hawaiian Islands: evolutionary history, ecology, and human impacts on Hawaiian ecosystems are focuses.

Prerequisite: BIOL 2052; any WC&IL II course.

BIOL 3012 (3)
Hawaiian Natural History Field Studies

This field course surveys the geology, climate, and ecology of the island of O'ahu and explores the approaches for the integrated management of its terrestrial, freshwater and marine habitats. The course is structured around the *ahupua'a* concept, the traditional land divisions used for the integrated management of natural resources from mountain tops to coral reefs. Class activities integrate lectures, guest presentations by resource managers, and field trips to diverse native habitats. The prerequisite for this class is general knowledge of evolutionary biology and ecology.

Prerequisite: BIOL 2052 or equivalent.

BIOL 3020 (3)
Plant Biology
The evolution, comparative anatomy, physiology, and life

cycles of members of the plant kingdom from algae to flowering plants.

Prerequisite: BIOL 2052; any WC&IL II course.

BIOL 3021 (1)
Plant Biology Laboratory

Laboratory component of BIOL 3020.

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2053, 3020 or concurrent.

BIOL 3025 (1)
Algal Biology & Diversity Laboratory

This course will accompany BIOL 4024 (Algal Biology and Diversity) to teach students how to identify local species of marine algae in the laboratory and, when possible, in the field. Students will also begin preparing their own herbarium of local marine seaweeds and will conduct laboratory experiments using local marine phytoplankton and seaweeds. Emphasis will be placed on the major groups of algae found in Hawaiian waters.

Prerequisite: BIOL 3024.

BIOL 3030 (3)
Comparative Animal Physiology

Vertebrate and invertebrate mechanisms regarding gas exchange; food and energy metabolism; temperature, salt, water, and nitrogen regulation; bodily coordination, integration and information processing; adaptation to environment is emphasized.

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2052 and CHEM 2052.

BIOL 3031 (1)
Comparative Animal Physiology Laboratory

Laboratory component of BIOL 3030.

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2053, 3030 or concurrent; and CHEM 2053.

BIOL 3034 (3)
Human Physiology

A course designed to help students understand the major functional systems of the human body. Topics include: organ systems, biochemical interactions of cells and tissues, hormonal control, fluid dynamics and osmotic regulation, development, homeostasis, and pathology. Consideration is given to both classic and recent physiological research.

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2052; CHEM 2050.

BIOL 3035 (1)
Human Physiology Laboratory

The Human Physiology Laboratory course complements BIOL 3034 lecture. The course helps students apply their knowledge by carrying out experiments in basic cellular functions (e.g., osmosis/diffusion), electrophysiology, sensory system physiology, reflexes, muscle physiology, cardiovascular physiology, respiratory physiology, metabolism, endocrinology, reproduction, and embryology.

Prerequisite: BIOL 2052 and BIOL 3034 or concurrent. (*must have a grade of C or higher).*

BIOL 3036 (3)
Human Anatomy

Human Anatomy is an advanced introduction to basic gross anatomy from both a systems and regional approach. Topics include medical imaging and some common pathological conditions. This course complements BIOL 3034 Human Physiology.

Prerequisite: A grade of C or better in BIOL 2052.

- BIOL 3037** (1)
Human Anatomy Laboratory
 The Human Anatomy Laboratory course complements BIOL 3036 lecture. This course will enhance students learning and understanding of human anatomy by providing hands-on exercises and activities to explore human anatomy. The course will cover both gross anatomy and histology and utilize various learning tools including microscopy and dissection.
Prerequisite: BIOL 2053; recommend BIOL 3036 be taken concurrently.
- BIOL 3040** (3)
General Microbiology
 An introduction to the structure and function of microorganisms including genetics, metabolism, and comparative studies of prokaryotic and eukaryotic organisms; emphasis is on organisms of clinical significance.
Prerequisite: A grade of C- or higher in any WC&IL II course; a grade of C- or better in BIOL 2030 or 2052.
- BIOL 3041** (1)
General Microbiology Laboratory
 Laboratory component of BIOL 3040.
Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2033 or 2053; BIOL 3040 or concurrent.
- BIOL 3050** (3)
Genetics
 Classical genetics in light of modern advances in molecular biology, including identification and structure of genetic material, its arrangement and transmission, and the molecular studies of genes.
Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2052 and CHEM 2052.
- BIOL 3054** (3)
Evolutionary Genetics
 Current theories of the genetic basis of evolution, emphasizing evolution at the molecular level, adapting a phylogenetic approach for prokaryotic and eukaryotic organisms.
Prerequisite: BIOL 2052 and CHEM 2052; any WC&IL II course.
- BIOL 3060** (3)
Marine Invertebrate Zoology
 An evolutionary perspective emphasizing functional morphology and life histories of marine, freshwater, and terrestrial invertebrates.
Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2052.
- BIOL 3061** (1)
Marine Invertebrate Zoology Laboratory
 Laboratory component of BIOL 3060.
Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2053; 3060 or concurrent.
- BIOL 3070** (3)
Marine Vertebrate Zoology
 An examination of the diversity, evolution, comparative morphology, and physiology of fishes. The course surveys marine reptiles, birds, and mammals.
Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2052.
- BIOL 3071** (1)
Marine Vertebrate Zoology Laboratory
 Laboratory component of BIOL 3070.
Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2053; 3070 or concurrent.
- BIOL 3080** (3)
Ecology
 A study of the adaptive structure and function at the individual, population, community, and ecosystem levels; theoretical and experimental studies pertaining to the distribution and abundance of marine, freshwater, and terrestrial organisms.
Prerequisite: BIOL 2052 and CHEM 2052; any WC&IL II course.
- BIOL 3081** (1)
Ecology Laboratory
 Laboratory component of BIOL 3080. Includes introduction to, and analysis of, ecological journal articles.
Prerequisite: BIOL 2053, 3080 or concurrent; CHEM 2053; MATH 1123 or 3323; any WC&IL II course.
- BIOL 3170** (3)
Cell and Molecular Biology
 Principles governing metabolism, reproduction, genetics, and other aspects of biological activity at the cellular level in both prokaryotic and eukaryotic organisms.
Prerequisite: BIOL 2052 and CHEM 2050; any WC&IL II course.
- BIOL 3171** (1)
Cell and Molecular Biology Laboratory
 Laboratory component of BIOL 3170.
Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2053, BIOL 3170 or concurrent; CHEM 2053.
- BIOL 3930** (3)
Nutrition and Society
 A seminar course investigating current philosophical, societal, and scientific issues in the field of nutrition. Topics include the role of nutrition in holistic health and preventive medicine, food and behavior, world hunger, eating disorders, nutrition and fitness, nutritional fads and fallacies, ethics in food manufacturing and advertising, food additives, pesticide residues, and changing nutritional needs during the human life cycle.
Prerequisite: Any WC&IL II course. Junior standing.
- BIOL 3990** (1 to 3)
Nonpaid Internship
 See Internship Section
- BIOL 3991** (1 to 3)
Paid Internship
 See Internship Section
- BIOL 4020** (3)
Cancer Biology
 Cancer Biology considers perspectives in population epidemiology cell growth pattern/rates, carcinogens, and molecular interactions in a number of the more prevalent cancers within the last 20 years. This course will provide beneficial background information to students considering graduate cancer research or for students considering a career in medicine.
Prerequisite: BIOL 2052 and CHEM 3032*. (* must have a grade of C or higher).*
- BIOL 4024** (3)
Algal Biology and Diversity
 This course will provide students with a basic understanding of algal biology, classification and evolutionary history as well as current information on the role of algae in marine ecosystems, global climate, and human health. Emphasis will be placed on the major groups of algae found in Hawaiian waters.

Prerequisite: BIOL 2052 and any 3000 level course in BIOL, CHEM, ENVS, GEOL or MARS; or consent of instructor.

BIOL 4040 (3)

Environmental Microbiology

General microbiological principles emphasizing the nature of the microbial world; microbial metabolism; and energetics, microbial diversity, population interactions, and human interactions. Emphasis is on the importance of micro-organisms in the biosphere.

Prerequisite: BIOL 2052 and CHEM 2052; any WC&IL II course.

BIOL 4041 (1)

Environmental Microbiology Laboratory

Laboratory component of BIOL 4040.

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2053, 4040 or concurrent; CHEM 2053.

BIOL 4050 (3)

Developmental Biology

Developmental Biology is the study of early eukaryotic development of multi-cellular organisms, from fertilization to the development of primordial organ systems. The course will introduce students to several biological models currently used in laboratory research settings.

Prerequisite: A grade of C+ or better in BIOL 2050.

BIOL 4090 (3)

Biometry

Theoretical foundations and practical application of statistics to the synthesis, representation, and analysis of data sets from marine, environmental, and biomedical sciences. Through homework sets and the use of computer software applications, students will learn and apply a variety of statistical tests: contingency tables, t-tests, correlation, linear regression, and analysis of variance. These analyses will be presented in the context of experimental design and hypothesis testing.

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2052; MATH 1123, 3323, or SOC 3200.

BIOL 4210 (3)

Neuroscience

Examination of the organization and function of the nervous system at molecular, cellular and systemic levels.

Prerequisite: BIOL 3170

BIOL 4220 (3)

Immunology

An examination of immune system organization and function at molecular, cellular, and systemic levels. Evolution and development of individual immunity, the role of the immune system in defense and disease, immune system dysfunction, and immunotherapeutic approaches to cancer and other diseases are among the topics that will be addressed.

Prerequisite: BIOL 3170

BIOL 4940 (3)

Biology Seminar

A critical analysis of recent biological literature. Includes formal seminars, informal group discussions, a comprehensive review article, and research project proposal. **Capstone course.**

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2052. Senior standing.

BIOL 4950 (1 to 3)

Biology Practicum

Senior practicum opportunity for students interested in working on special topics in biology under the direction of the biology faculty.

BIOL 6090 (3)

Advanced Biometry

Biometry II begins with a review of univariate inferential statistics and introduces multivariate methods including multivariate analysis of variance, principle components analysis, multidimensional scaling, and cluster analysis. Graphical and tabular presentation of results and will be covered and students will analyze case studies provided by HPU graduate mentors. Analysis methods will be taught in the context of experimental design and hypothesis testing.

BIOL 6120 (3)

Ichthyology

Ichthyology is the study of fish biology. This course will cover areas of systematics, evolution, anatomy, physiology, behavior, ecology, biogeography, and conservation of fishes. This course will emphasize the incredible diversity of fishes and comparative study of adaptations in relation to the environment, focusing on the marine habitat.

Prerequisite: BIOL 2052. Graduate standing.

BIOL 6170 (3)

Larval Biology

Biology of embryos, larvae, and juveniles of marine animals including freshwater species with marine larvae. Topics include life history differences; evolutionary transitions between developmental modes; parental investment; and dispersal, feeding, and settlement mechanisms. Methods of sampling, identification, culture, and experimental study of common invertebrate and fish larvae will be emphasized.

Prerequisite: BIOL 2052.

BIOL 6210 (3)

Neuroscience

Examination of the organization and function of the nervous system at molecular, cellular and systemic levels.

Prerequisite: Graduate standing.

BIOL 6220 (3)

Immunology

An examination of immune system organization and function at molecular, cellular, and system levels. Evolution and development of individual immunity, the role of the immune system in defense and disease, immune system dysfunction, and immunotherapeutic approaches to cancer and other diseases are among the topics that will be addressed.

Prerequisite: Graduate standing.

BUS--Business

BUS 1000 (3)

Introduction to Business

An introduction to the managerial process and the functioning of business. This course integrates findings of the behavioral sciences with classical, quantitative systems, and other approaches to business.

Prerequisite: Any WC&IL I course.

BUS 1040 (3)

International Travel and Tourism

This course is designed to introduce students to the tourism and hospitality industry by examining the infrastructure, service, and marketing in these industries. The course focuses on the interdependence of hotels/resorts, food and beverage establishments, attractions, casinos, meetings and conventions. Examples from Hawai'i and international destinations are used in class.

BUS 1050 (3)

Business in Global Markets

This course is an introductory course in modern business. Emphasis is placed on basic business terms, concepts, principles, practices, organization structures, and functions of business. Class discussions focus on examples from Hawai'i and around the world.

BUS 1500 (3)

Business in Global Markets

This course provides students majoring in management, marketing, finance, accounting, economics, and other fields of business administration with an introductory survey of the many applications of descriptive and inferential statistics. The focus is on business applications that are used to solve business problems. Topics include data exploration, probability distributions, confidence interval, hypothesis testing, analysis of variance, correlation and regressions analysis, nonparametric methods, and statistical process control and quality management. Use of computer tools for carrying out statistical analysis is also a major emphasis.

BUS 2500 (3)

Mathematics for Business

This course is designed for business and economic students. It enables students to learn and apply mathematics skills to a business setting. Topics included review of basic algebra, linear and nonlinear equations, set theory and mathematic proofs, functions of one and many variables, differentiation, single and multivariate optimization, constrained optimization, financial mathematics, linear programming, and business forecasting. Students will not only know the mathematics of these concepts but also be able to apply the concepts to solve business problems and make sound business decisions.

Prerequisites: MATH 1123; MATH 1130 or higher

BUS 3801 (3)

Sports and Coaching Administration

The sports industry is expected to exceed \$100 billion in the world. Interest in sports starts at a young age and continues through high school, college, professional, and recreational levels. This course provides those students who are interested in sports management with the opportunity to view sports from the perspective of a sports administrator and/or coach. The course requires an interview with a local coach to gain direct knowledge of the administrative responsibilities. Topics will include current issues in the sports industry.

BUS 5001 (0)

MBA: Ho'omākaukau

Ho'omākaukau, in the Hawaiian language, translates to "to prepare; make ready." This course welcomes students to the MBA program and must be completed before students can register for their second term. It introduces the program learning outcomes and contains critical prerequisite knowledge and concepts that are required for core courses and information related to expectations for graduate students.

Prerequisite: Graduate Standing

BUS 7999 (0)

MBA: A Hui Hou

A hui hou, in the Hawaiian language, translates to "until we meet again." This course forms the completion of the MBA program. It summarizes the program learning outcomes and important concepts and assesses whether students have mastered them. The course also provides career advice and sets students up to be successful in their profession.

Prerequisite: Graduate Standing

CHEM—Chemistry

CHEM 1000 (3)
Introductory Chemistry

An introductory survey of chemistry designed to equip students with information that will enable them to make rational, informed decisions about chemically relevant issues. Includes fundamental chemical principles as well as applications of chemical knowledge and the interactions between chemistry and society.

Prerequisite: A grade of C- or higher in MATH 1101; or placement into MATH 1105; or minimum Math scores ACT 21 or SAT 480; or passed MATH 0990.

CHEM 1020 (3)

Introduction to Chemistry and the Environment

A one-semester introduction to chemistry for students with a major or minor in environmental studies. The course will stress basic chemistry with applications that relate to the environment and set chemistry in its political, economic, social, and ethical context.

CHEM 1021 (1)

Introduction to Chemistry and the Environment Laboratory

Laboratory component of CHEM 1020. This course will introduce and develop principles of quantitative and qualitative techniques and safety awareness and appropriate safety precautions. Laboratory experiments will be related to material covered in lecture and/or experimental techniques that are valuable tools for chemists.

Prerequisite: CHEM 1020 or concurrent. Co-requisite: CHEM 1020.

CHEM 2030 (3)

Introduction to Organic Chemistry and Biochemistry

A basic introduction to organic chemical groups such as alkanes, alkenes, aromatic compounds, esters, acids, amines, and alcohols and to molecules of special importance in the body such as carbohydrates, lipids, proteins, and enzymes.

Prerequisite: CHEM 1000 or CHEM 2052.

CHEM 2050 (3)

General Chemistry I

The first semester of a rigorous introduction to chemistry for students intending to major in the natural sciences. Includes topics related to the atomic-molecular basis of matter, the relationship of chemical reactions to the periodic table, states of matter, solution chemistry, acids and bases, and stoichiometry.

Prerequisite: A grade of C or better in Any WC&IL I course; a grade of C or better in MATH 1130 or higher (or a math SAT of at least 550 or a math ACT of 24 or greater).

CHEM 2051 (1)

General Chemistry I Laboratory

Laboratory component of CHEM 2050.

Prerequisite: CHEM 2050 or concurrent.

CHEM 2052 (3)

General Chemistry II

A continuation of CHEM 2050. Includes chemical equilibrium, thermodynamics, electrochemistry, nuclear chemistry, coordination compounds, and the comparative chemistry of major groups of elements in the periodic table.

Prerequisite: CHEM 2050.

CHEM 2053 (1)

General Chemistry II Laboratory

Laboratory component of CHEM 2052.

Prerequisite: CHEM 2051, 2052 or concurrent. (*Must have a grade of C or higher).*

CHEM 3010 (3)
Fundamental Organic Chemistry

A one-semester course in organic chemistry for students majoring in natural sciences. The course stresses nomenclature, structure, reactions, and basic syntheses within the common families of organic compounds.

Prerequisite: CHEM 2052; any WC&IL II course.

CHEM 3020 (3)

Physical Chemistry I

Physical and mathematical principles of chemistry. Topics include the first and second laws of thermodynamics, free energy, phase equilibrium and chemical equilibrium.

Prerequisite: CHEM 2052; PHYS 2032 or 2052; MATH 2214 or higher.

CHEM 3022 (3)

Physical Chemistry II

A continuation of CHEM 3020. Physical and mathematical principles of chemistry. Principle topics include: (1) quantum mechanics (atomic orbitals, molecular orbitals, quantization of rotational and vibrational motions, principles of molecular spectroscopy); (2) kinetics (empirical rate laws, Arrhenius equation, reaction mechanics, collision theory, absolute reaction-rate theory); and (3) statistical thermodynamics (equipartition of energy, statistical behavior of molecules, canonical ensembles).

Prerequisite: CHEM 3020.

CHEM 3023 (1)

Physical Chemistry Laboratory

Laboratory component of Physical Chemistry. Exercises are designed to reinforce concepts learned in CHEM 3020 and 3022, ranging over topics from classical thermodynamics, kinetics, and molecular spectroscopy.

Prerequisite: CHEM 3020; CHEM 3022 or concurrent.

CHEM 3030 (3)

Organic Chemistry I

This is the first of a two-semester course on the chemistry of carbon-containing compounds. Organic molecules are the functional components of living organisms, the food we eat, the drugs we take, the clothes we wear, the fuels we burn, and most of the products in our lives. Students learn the basic language and tools for describing organic compounds and their reactions, including curved arrows, resonance, reaction schemes, energy diagrams, and structural drawings. Topics include bonding theories; acid-base chemistry; stereochemistry; and the nomenclature, structure, and reactivity of alkanes, alkenes, alkynes, and alkyl halides. Students also learn the theory, processing, and interpretation of magnetic resonance spectroscopy.

Prerequisite: CHEM 2052; any WC&IL II course.

CHEM 3031 (1)

Organic Chemistry I Laboratory

Laboratory component of CHEM 3030. By applying concepts from the lecture course, students learn to synthesize, purify, analyze, and model organic compounds. Reactions include substitutions, eliminations, and additions. Analysis techniques include thin layer and gas chromatography, ultraviolet and infrared spectroscopy, mass spectrometry, and magnetic resonance spectroscopy. These techniques are used to test hypotheses relating to reaction mechanisms, purity, solubility, and biological activities.

Prerequisite: A grade of C- or higher in any WC&IL II course; CHEM 2053; 3030 or concurrent.

CHEM 3032 (3)

Organic Chemistry II

Continuation of CHEM 3030. Building on basic skills and concepts from the first semester, students learn the nomenclature, structure, and reactivity of alcohols, ethers,

epoxides, conjugated alkenes, aromatic compounds, aldehydes, ketones, carboxylic acids, esters, amides, acid halides, and amines. Emphasis is given to reaction mechanisms, three-dimensional aspects of organic reactions, and multi-step syntheses of organic molecules. Students also learn the theory and interpretation of mass spectrometry and infrared spectroscopy while expanding their knowledge of magnetic resonance spectroscopy. Students learn to integrate this data to determine the structures of organic compounds.

Prerequisite: CHEM 3030.

CHEM 3033 (1)

Organic Chemistry II Laboratory

Laboratory component of CHEM 3032.

Prerequisite: CHEM 3031, 3032 or concurrent.

CHEM 3040 (3)

Quantitative Analysis

Theoretical principles of techniques used in the separation and analysis of chemical substances. The course includes gravimetric, volumetric, spectrophotometric, electroanalytical, and ion-exchange methods.

Prerequisite: CHEM 2052; any WC&IL II course.

CHEM 3041 (2)

Quantitative Analysis Laboratory

Laboratory component of CHEM 3040.

Prerequisite: A grade of C- or higher in any WC&IL II course; CHEM 2053; 3040 or concurrent.

CHEM 3042 (3)

Instrumental Analysis

Lecture course on the use of instrumentation in chemical analysis. Chemical separation techniques covered include gas, liquid, thin layer, supercritical fluid, and size exclusion chromatography and electrophoresis. Spectrochemical techniques include ultraviolet-visible light and infrared absorption, fluorimetry, atomic absorption, and nuclear magnetic resonance. Additional methods include potentiometry, elemental analysis, and mass spectrometry.

Prerequisite: CHEM 3041.

CHEM 3043 (1)

Instrumental Analysis Laboratory

This course involves the laboratory use of instrumentation in chemical analysis and the interpretation and analysis of resulting data. Topics to be covered include various forms of chromatography including high performance liquid, gas, thin layer, size exclusion, and chiral-selective chromatography. Other topics include spectroscopic techniques, such as infrared and ultraviolet-visible absorption spectroscopy, fluorimetry, and other techniques such to include potentiometry and mass spectrometry.

Prerequisite: CHEM 3041.

CHEM 3050 (3)

Environmental Chemistry

Basic and applied chemistry of the lithosphere, hydrosphere, and atmosphere, with emphasis on natural global biogeochemical cycles and perturbations caused by human activities.

Prerequisite: A grade of C- or higher in any WC&IL II course; CHEM 2052.

CHEM 3060 (3)

Inorganic Chemistry

The chemistry of non-carbon based compounds. Topics include atomic structure, periodic chemical and physical trends, covalent compounds, ionic compounds, thermodynamics, hydrogen bonding, acids and bases, organometallic compounds, and coordination compounds.

Prerequisite: CHEM 3032.

CHEM 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

CHEM 3991 (1 to 3)

Paid Internship

See Internship Section.

CHEM 4020 (3)

Advanced Organic Chemistry

This course will focus on modern organic synthesis strategies and methodologies, with a strong emphasis on mechanistic understanding of these reactions. Topics include advanced reactions and general synthesis strategies that are currently used in fields such as medicinal chemistry, biotechnology, materials science, agricultural science, food science, and alternative fuels. Synthesis of natural products, traditionally one of the most important and challenging areas in organic chemistry, will be emphasized, with examples drawn from current primary literature.

Prerequisite: CHEM 3032.

CHEM 4030 (3)

Biochemistry I

Structure of biochemical macromolecules and their component molecules. Emphasis is on cellular metabolism and energy transformations.

Prerequisite: CHEM 3032.

CHEM 4031 (1 to 2)

Biochemistry I Laboratory

Laboratory component of CHEM 4030.

Prerequisite: CHEM 3033, 4030 or concurrent.

CHEM 4032 (3)

Biochemistry II

Biochemistry delves into the chemical aspects of living organisms. This course is the second half of a two semester survey of this vast and growing field. The structure and function of biological macromolecules, with an emphasis on enzyme function and metabolism, will be examined. Topics to be covered include advanced metabolism and biosynthesis, DNA (replication, transcription, and translation), and gene expression.

Prerequisite: CHEM 4030.

CHEM 4033 (1)

Biochemistry II Laboratory

This course is the second semester of a two-semester laboratory sequence in biochemistry. It serves as the laboratory component of the associated lecture course CHEM 4032. The emphasis is on DNA related techniques such as the polymerase chain reaction (PCR) and gel electrophoresis (DNA fingerprinting). Students also have the opportunity to carry out self-designed experiments and to report their results in a seminar format.

Prerequisite: CHEM 4031, 4032 or concurrent.

CHEM 4054 (3)

Aquatic Chemistry

Applications of chemical principles to describe processes controlling the composition of natural water systems.

Prerequisite: CHEM 2052; CSCI 1011; MATH 2214 or higher except MATH 2326 or 3301; any WC&IL II course.

CHEM 4095 (3)

Biochemistry Seminar

This course is a critical analysis of recent biochemical literature. It includes formal seminars, informal group

discussions, analysis of a comprehensive review article, and the development of a research proposal. **Capstone course.**

Prerequisite: CHEM 4032 or concurrent.

CHEM 4910 (3)

Senior Seminar

Senior Seminar is the first semester of a capstone sequence, preparing students for Senior Research. This course is designed to immerse students intensively in the primary literature of chemistry, to provide them with opportunities to present critical reviews and analysis of recent chemical research, and to help them write and independent research proposal. **Capstone course.**

Prerequisite: CHEM 3032. Junior or senior standing.

CHEM 4911 (2)

Senior Research

This course is the second in a capstone sequence for the chemistry degree (Senior Seminar and Senior Research), designed to expose students to "real-world" research situations and environments. They will undertake interesting projects where the expected outcomes are unknown. This is an important extension from the laboratory courses they have taken to this point, where the procedures and outcome are all fairly scripted. Students will choose a willing professor to work with. Students will present their finding in two forums: a seminar presentation and a written final report in addition to weekly updates.

Prerequisite: CHEM 4910.

CHEM 4920 (3)

Special Topics in Chemistry

Selected topics in chemistry for upper-division science students. A single topic may be explored in depth, or a related series of topics may be addressed. May be team taught.

Prerequisite: CHEM 2052.

CHEM 4950 (1 to 4)

Practicum

CHEM 4951 (1 to 3)

Practicum

CHEM 4952 (1)

Practicum

CHEM 4984 (2)

Practicum

CHEM 6310 (3)

Marine Natural Products Chemistry

Marine microbes, algae, and invertebrates are productive sources of structurally diverse, biologically active, and ecologically significant natural products. This course will cover the structures, biosyntheses, biological activities, isolation methods, and structure determination techniques for representative compounds from major structural classes including terpenoids, polyketides, alkaloids, and non-ribosomal peptides.

Prerequisite: CHEM 4030. Graduate standing.

CHIN--Chinese

CHIN 1100 (4)

Beginning Mandarin I

An introduction to written and spoken Mandarin. This is the first semester of a two-semester sequence.

CHIN 1200 (4)

Beginning Mandarin II

An introduction to written and spoken Mandarin. This is the

second semester of a two-semester sequence.

Prerequisite: CHIN 1100.

CHIN 2100 (4)

Intermediate Mandarin I

Conversation, reading, grammar, and introduction to Chinese culture. This is the first semester of a two-semester sequence.

Prerequisite: CHIN 1200.

CHIN 2200 (4)

Intermediate Mandarin II

Conversation, reading, grammar, and introduction to Chinese culture. This is the second semester of a two-semester sequence.

Prerequisite: CHIN 2100.

CHIN 3100 (4)

Advanced Mandarin I

Further development of written and oral language skills and the study of literary and cultural writings.

Prerequisite: CHIN 2200.

CHIN 3200 (4)

Advanced Mandarin II

Further development of written and oral language skills and the study of literary and cultural writings.

Prerequisite: CHIN 3100.

CJ—Criminal Justice

CJ 1000 (3)

Crimes and Criminals

This course looks at the patterns and correlates interpersonal and collective violence using the most contemporary research, theories, and cases. Today violence remains one of the most pressing issues facing not only American society but countries throughout the world. The course looks at a variety of different yet connected forms of violence, which include homicide, assault, rape, domestic violence, robberies, genocide, riots, lynching, and terrorism, among others. While engaging in individual and cooperative projects, students will consider the theoretical causes and explanations of the deviant behavior of infamous criminals that have plagued our American society.

CJ 1500 (3)

Introduction to Cybersecurity

This course explores developments and changes in the practice of criminal justice brought about by technology and crime as well as the rapid technological change in computers and other internet access devices. Specific topics include: cybercrime, overview of the concepts and investigative requirements when dealing with cybersecurity, globalization of cybersecurity investigations, how different cybercrimes are committed, the rapid evolution of technology and its effects on crime, cybercrimes against persons, and criminal justice agencies involved in the investigation and prevention of cybercrimes.

CJ 2000 (3)

Laws and Courts in World Cultures

This course traces the development of laws and courts from ancient times to the present. The course focuses on historical events that have produced four major legal systems—U.S.-British common law, European civil law, communist systems, and the various cultures of Islam. Topics covered include why the U.S.-British and European systems are so litigious in contrast to tribal societies. The course also explores how courts have primarily dealt with and currently deal with issues like the death penalty and torture of suspects.

Prerequisite: Any WC&IL I course

CJ 2050 (3)

Basic Criminology

The study of why people break the law, drawing upon classical and contemporary theories from the behavioral sciences. Among topics covered are the nature and types of crimes, victims' rights, types of punishment, and crime prevention.

Prerequisite: A grade of C- or higher in any WC&IL II course.

CJ 2060 (3)

Justice Systems

An overview of civil and criminal justice systems, processes, and personnel in the U.S. The course examines the processing of individuals through the civil and criminal justice system as well as the functions of investigators, prosecutors, plaintiffs' attorneys, defense counsel, judges, and court personnel within the criminal justice system.

Prerequisite: PSCI 1400.

CJ 3000 (3)

Ethics and Justice

The course explores the standards and codes of professional responsibility in various professions and examines the theoretical and philosophical basis of ethics and the standards of professional conduct and leadership applicable to justice and the other agencies. It also explores analysis and evaluation of ethical dilemmas and roles of professional organizations. Emphasis is placed on the interrelated nature of ethics, morality, legal responsibility, and social issues.

Prerequisite: Any WC&IL II course and any lower-division criminal justice course.

CJ 3070 (3)

Justice Management

The application of management skills to civil and criminal justice systems. Topics include: concepts of justice administration, planning, programming, budgeting, staffing, labor relations, and operations. Contemporary theories of organization behavior and development are utilized.

Prerequisite: A grade C- or higher in WC&IL II course and any lower-division criminal justice course.

CJ 3300 (3)

Criminal Procedures

A critical examination of the steps involved in a criminal case, from arrest to final court disposition. The course reviews landmark law cases affecting pretrial and trial rights of criminal defendants. Topics include: laws governing arrest, including confession and search and seizure; right to counsel; identification procedures; and self-incrimination.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3310 (3)

Law Enforcement: Contemporary Issues

The study of contemporary issues facing law enforcement agencies at the local, state, and federal levels. The course examines problems affecting regulatory and law enforcement organizations dealing with agency discretion, selective enforcement, investigations, and forensics.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3320 (3)

Corrections: Processes and Programs

A close consideration of civil and criminal law remedies used to "correct" behavior of wrong-doers in the community. Included are tort liability lawsuits, civil damages, community services, criminal restitution, probation, imprisonment, use of

halfway houses, and parole.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3500 (3)
Criminal Law

The study of criminal lawsuits' fundamental concepts, evolution, and functioning, using seminal cases and examining the interaction between criminal laws and the U.S. Constitution.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3510 (3)
Crime Victims and Justice

A course designed to provide the student with an understanding of crime victimization and its impact on individuals and society. The course identifies and explores the role of the victim within the criminal justice system and the rights of crime victims. Participants also examine special crime victim issues and community interventions and resources.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3520 (3)
Drug Abuse and Justice

The study of the policies and practices of the judicial system relating to the pressing social problem of drug abuse. The course presents a historical perspective of drug and substance abuse in the U.S. and an examination of the community's response to this problem. Students become acquainted with new civil penalties calling for the forfeiture of property and with the use of noncriminal treatment programs for drug abuse.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3530 (3)
Juvenile Deviancy and Justice

An analysis using classical theories and contemporary research findings of "normal" and "defiant" juvenile behavior. The course examines society's responses to deviancy, causes of juvenile criminal behavior, and the treatment of juveniles within the criminal and civil justice systems.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3540 (3)
Women, Minorities, and Justice

A historical, political, and sociological study of the treatment of women and minority groups within the criminal justice systems in the United States. The course places special emphasis on historical stereotypes of, and changing perspectives toward, women and minorities.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3550 (3)
Crime Scene Investigation: Theories and Practices

The study of academic theories underlying crime scene investigations and of practical applications of these theories. Topics include historical origins, principles underlying such investigations, and real-life studies of crimes such as homicide, arson, identity theft, white-collar crime, and terrorist attacks.

Prerequisite: A grade of C- or higher in any WC&IL II course and any lower-division criminal justice course.

CJ 3600 (3)
Special Topics in Criminal Justice

An examination of significant and controversial criminal justice topics currently faced by the criminal justice system, focusing upon contemporary issues which are projected to have a major impact upon the quality of life for the community and the ability of the criminal justice system to provide services to the community. This course can be repeated twice by the student if the topic of the course is different.

CJ 3990 (1 to 3)
Nonpaid Internship

See Internship Section

Prerequisite: Sophomore Standing

CJ 3991 (1 to 3)
Paid Internship

See Internship Section

Prerequisite: Sophomore Standing

CJ 4900 (3)
Seminar Criminal Justice

This course serves to synthesize the knowledge gained from each course in the program. The course provides students with an integration of acquired knowledge of theory to practical approaches to solve practical problems in the criminal justice environment. Student will assess the impact of their education experiences on their professional competence and values; critical thinking and problem solving; communication; and information utilization and collaboration skills. Topics include problem solving, case study and analysis, teamwork, and professional writing. For students in their final year of study.

Prerequisite: Advisor approval.

CJ 6700 (3)
Leadership and Ethics

This course develops a framework for ethical thinking and reflection. The course emphasizes the moral, ethical, and social responsibilities of administrative leaders, as well as the application of principles to organizational leadership behavior and decision-making. Students will also investigate current research trends regarding ethical issues in public service agencies, businesses, and other criminal justice contexts.

Prerequisite: Graduate standing.

CJ 6710 (3)
Civil Liability and Civil Rights Challenges

This course provides a comprehensive examination of the constitutional rights afforded to individuals. It examines how management decisions, implementation of regulations, and selective enforcement may result in civil rights challenges, violate an individual's due process and equal protection rights, and result in discriminatory and hostile work environment liability. Through the study of legal theories and case authority, students will learn how the Constitution protects individuals against discriminatory action, civil liability based on negligence, respondent superior liability, and negligent hiring and supervising of these employees. Students will be able to recognize and implement rules and procedures to avoid liability.

Prerequisite: Graduate standing.

CJ 6720 (3)
Criminal Justice Organizations

This course provides a comprehensive examination of the various agencies/organizations that play an important role in the criminal justice system. Students will learn what agencies/organizations are involved in the criminal justice system. Additionally, students will examine the organization and management structure, roles, and interrelationship and conflicts between these agencies/organizations. Through a comprehensive examination of and potential internships with

these agencies/organizations, student will gain a practical insight and experience of how these agencies/organizations are structured and operate.

Prerequisite: Graduate standing.

CJ 6730 (3)

Contemporary Issues in Criminal Justice

This course examines the scope of criminology based on global research and practical applications. Students will be expected to gain a deeper understanding of the fundamental issues surrounding police, courts, and corrections and the issues that are plaguing the systems. The ultimate goal of the course is to provide the student with a solid foundation for understanding contemporary issues in criminal justice system and to encourage them to think critically about the role that the criminal justice system and its constituent parts plays in the exercise of social control in society.

Prerequisite: Graduate standing.

CJ 6990 (1 to 3)

Nonpaid Internship

This Pass/Fail course requires a minimum of 75, 150, or 200 hours (per 1, 2, or 3 credits respectively) of nonpaid work experience in a career related field that is completed under supervised conditions. Comprehensive written reports are required by an assigned HPU faculty. Students will be required to meet for one hour weekly with faculty member assigned.

Prerequisite: Graduate standing, 3.0 GPA, Departmental Approval Required.

CJ 6991 (1 to 3)

Nonpaid Internship

This Pass/Fail course requires a minimum of 75, 150, or 200 hours (per 1, 2, or 3 credits respectively) of paid work experience in a career related field that is completed under supervised conditions. Comprehensive written reports are required by an assigned HPU faculty. Students will be required to meet for one hour weekly with faculty member assigned.

Prerequisite: Graduate standing, 3.0 GPA, Departmental Approval Required.

CLST—Classical Studies

CLST 1000 (3)

Great Books, East and West

War, brutality, compassion, love, despair, and hope are just a few of the enduring themes which stem from the foundational epics of Eastern and Western classical civilizations. This course explores some of those epics for the significance their stories had in antiquity and for the significance they retain for us. Readings may draw on the *Iliad*, *Odyssey*, *Aeneid*, *Mahabharata*, *Heike Monogatari*, *Three Kingdoms*, and other performed or inscribed narratives of classical cultures.

CLST 2600 (3)

Greek and Latin Roots in English

The systematic study of the influence of ancient Greek and Latin on the vocabulary and grammatical structure of English. Also examined are the ways in which words are used for communication and how languages develop and change. For students in a wide range of fields, from life sciences and chemistry, to law and humanities.

Prerequisite: Any WC&IL I course.

CLST 3100 (3)

Female Figures in Classical Myth, Literature, and Religion

Study of female figures in the literary, mythical, and religious imaginations of the ancient civilizations around the

Mediterranean Sea. Studied texts extend from the epics of Homer through the Greek gospels.

Prerequisite: Any WC&IL II course.

CLST 3030 (3)

Ancient Drama

An examination of the evolution of theater in the Greco-Roman world, from its origins in ritual, to its growth as a civic event, and its development into a literary art form. Students will analyze ancient texts through close readings, essays, and in-class performances.

Prerequisite: Any WC&IL II course.

CLST 4900 (3)

Seminar in East-West Classical Studies

An examination of selected topics in comparative study of pre-modern civilizations of Europe and Asia. Topics vary but may include the rise and fall of empires, ideas of law and the state, religious and philosophical movements, comparative literature, etc. In each case, students are acquainted with the pertinent primary source material in translation, as well as the works of modern authorities.

Prerequisite: Any WC&IL II course and junior or senior standing.

CLST 4997 (1 to 3)

Directed Readings in Classical Studies

Directed individualized readings.

COM—Communication

COM 1000 (3)

Introduction to Communication Skills

Building on communication theory, students reflect and collaborate to develop strategies for effectively dealing with relevant interpersonal challenges, including academic, relationship, employment, and intercultural communication. Public speaking and team communication skills are introduced and practiced to prepare students for success in their college and subsequent professional life. Activities intended to heighten awareness of self, others, context and career “realities” support students in identifying (or confirming) their major, thereby reducing uncertainty and frustration in the critical first year. Intended outcomes include significant growth in self-awareness and confidence as a result of increased competence in critical thinking and interpersonal communication.

COM 1500 (3)

Public Speaking in a Mediated World

This course advances theoretical knowledge of communication processes and enhances understanding of the basic principles of and skills involved in oral communication within professional settings and situations. Fundamentals of effective oral communication are examined from both speaker and listener perspectives with emphasis on delivering presentations in a mediated environment. Students will apply fundamental knowledge of organizing, writing, and delivering oral presentations designed to entertain, inform, and persuade. The course also examines computer-mediated forms of communication and the influence of communication technologies on human interaction.

Prerequisite: Undergraduate standing.

COM 2000 (3)

Public Speaking

Instruction and practice in the principal modes of public speaking: interpretive reading, informational speech, persuasive speech, debate, and formal presentation with use of aids. Theories of oral communication are introduced, and critiques of presentations are provided.

Prerequisite: Any WC&IL I course.

COM 2300 (3)

Communication and Culture

This course examines the relationship between culture and communication in order to develop an understanding of the process of communicating across cultures. Communication patterns and practices enact or produce culture, and cultural patterns and practices produce communication. This relationship is especially important because, perhaps more than ever, an appreciation of communication processes is an essential factor in promoting positive intercultural relations.

Prerequisite: Any WC&IL I course.

COM 2500 (3)

Sex, and Gender, in Communication Contexts

Through communication processes we acquire culture, which informs how we create and maintain our sexual identities and gender roles. These identities and roles have shifted greatly throughout time. This course examines the complexities of sex, gender, culture, and communication throughout many cultures and time periods. Historical movements, scientific conventions, and cross-cultural exposure will be studied in terms of how they have shaped the cultural expression of gender. Students will study aspects of communication that have, throughout history, influenced individuals to behave in gender-specific, as well as culturally-specific, ways.

Prerequisite: Any WC&IL I course.

COM 2640 (3)

Argumentation and Debate

Basic argumentation theory including burden of proof, logical analysis, research, strategies, and tactics of persuasive communication in the context of politics, business, and cultural venues; gathering and weighing evidence, reasoning, case construction, refutation; presentation of public address and debate.

Prerequisite: Any WC&IL I course.

COM 3000 (3)

Mass Media

An examination of the development of mass media and consideration of its interaction with technology. The course features specific media and considers contemporary research search findings regarding the effects of media upon attitudes and behavior. Media strategies, messages, outcomes, and campaigns are all covered.

Prerequisite: Any WC&IL II course; COM 1000.

COM 3200 (3)

Interpersonal Communication

An overview covering the theories, strategies, and outcomes of interpersonal communication. Topics include: principles and practices of communication, message development, and communication strategies. Contemporary research findings that contribute to an understanding of interpersonal communication are also covered, and opportunities to practice effective communication techniques are provided.

Prerequisite: COM 1000.

COM 3250 (3)

Communication Research

An introduction to the logic, concepts, process, and methods of quantitative and qualitative research. This course provides both theory and application. Basic statistics and data analysis are also covered. Emphasis is on primary research frequently used in the communication field.

Prerequisite: COM 1000.

COM 3260 (3)

Film as Communication

An exploration of film: its power, potential, and limits as a medium of philosophic thought, as a means to moral and social insight, and as a tool in international understanding.

Prerequisite: Any WC&IL I course.

COM 3270 (3)

Film Genre

The study of genre offers a qualitative window onto how audiences perceive and evaluate cinematic form and content. Through the analysis of especially-characteristic films, the course explores key topics in genre studies: notions of popular and cultural value; how genres move across and between different media; and the ways that industrial, social, technological, and aesthetic factors shape the development, circulation, and reception of a film genre. Various “case-studies” are explored from year to year and may include: film noir, comedy, the musical, the Western, science fiction, the road movie, and others.

Prerequisite: Any WC&IL II course.

COM 3300 (3)

Intercultural Communication

An exploration of how culture influences the way we perceive the world, think, value, and behave, and therefore how culture both facilitates and impedes communication. Special emphasis is placed upon cross-cultural communication.

Prerequisite: COM 1000.

COM 3320 (3)

Persuasion

An exploration of how persuasion influences us through the mass media, public relations, marketing, advertising, and culture.

Prerequisite: COM 1000 or ADPR 2000; and COM 2000

COM 3340 (3)

Nonverbal Communication

An exploration of nonverbal communication including semiotics, paralanguage, proxemics, kinesics, haptics, chronemics, eye contact, and facial expression.

Prerequisite: COM 1000.

COM 3350 (3)

Team Building

Team building helps work groups function as a cohesive unit, promoting morale, communication, and productivity. This course provides theory and practice in how to build team commitment, improve communication, deal with team conflict, set team goals, and use creativity in problem solving and decision making.

Prerequisite: COM 1000.

COM 3400 (3)

Communicating Professionally

This course emphasizes epistemology and the basic processes of communicating to general audiences in various media formats for informative and persuasive purposes. Special attention is given to research; media literacy; critical thinking; logical organization; and clear communication in written and orally presented reports, news releases, position papers, and feature articles.

Prerequisite: Any WC&IL I course.

COM 3420 (3)

Business Communication

Writing of business documents, including reports, letters, and memos required to meet the needs of today’s competitive business world. Research and documentation skills are reviewed. The course also includes units on teamwork,

conflict management, interpersonal business communication, and cultural communication and requires individual and team oral presentations.

Prerequisite: Any WC&IL II course.

COM 3440 (3)

Advanced Public Speaking

An advanced course in public address that combines theory of rhetoric with application and experiential learning. Students evaluate various types of public speeches, present a broad spectrum of speeches, and critically evaluate reasoning and evidence.

Prerequisite: COM 2000.

COM 3500 (3)

Technical Communication

The development of written and oral skills focusing on communication of technical and scientific information to people with and without technical backgrounds.

Prerequisite: Any WC&IL II course.

COM 3641 (3)

Argumentation and Debate Practicum

Students will learn and practice oral and written argumentation skills in a debate environment. Emphasis is placed on understanding and discussing controversial philosophical and pragmatic issues through research and weekly extemporaneous oral defense and presentation of arguments. Students will participate in out-of-class debating events such as debating tournaments, public debates, and workshops.

Prerequisite: COM 2000 or COM 2640.

COM 3680 (3)

Rhetorical Theory

This course provides a survey of major rhetorical themes and theories, including classical, symbolic, argumentation, critical, and non-Western approaches to rhetoric. Students will explore the relationship between rhetorical theory and practice; the contributions of rhetorical theory to the social world; and the potential for rhetorical studies to inform issues surrounding democratic governance, marginalized groups, social justice, and technology in society.

Prerequisite: COM 3000, 3250.

COM 3750 (3)

Global Communication Cases

The utilization of current and historical problems, situation, and cases involving international mass communications systems: news, public relations, advertising, radio/TV, and promotion. Discussion includes ethical and practical solutions.

Prerequisite: Any WC&IL II course.

COM 3770 (3)

Media Literacy

Inquiry into media messages, be they informative, persuasive, or entertainment, shape cultural practices and legacies. Focus is on critiquing media messages in ways that reveal the distinctions and similarities between mediated and non-mediated messages. Various critical frameworks (e.g., rhetorical, feminist, Marxist) will be examined and applied to media messages.

Prerequisite: Any WC&IL II course; COM 3000.

COM 3780 (3)

Media Convergence

This course offers training in understanding and managing the changing media landscape. The course examines the technical foundations of telecommunication systems such as the internet, mobile phones, digital video, social media net- works,

haptic and immersive interfacing, and other emerging communication technologies. Guest speakers who work in these fast-developing areas will be a feature of the course as students are guided toward both theoretical and practical negotiation of the emerging communication technosphere.

Prerequisite: A grade of C- or higher in any WC &IL course.

COM 3900 (3)

Communication Theory

A course designed to give students a practical understanding of theories of the communication process from interpersonal relationships to mass media and advertising. Through hands-on projects and discussion, students apply theoretical constructs to media effects, advertising, persuasion, and motivation.

Prerequisite: COM 3000, 3250.

COM 3910 (1 to 3)

Selected Topics in Communication

Course title, content, and prerequisites will vary. May be repeated when title and content have changed.

COM 3950 (3)

Communication Practicum

An internship offering actual experience in a professional setting. Students select internships in any area of communication including advertising, corporate communication, journalism, public relations, speech, theater, or visual communication. Supervision is both by a professional on site and by HPU faculty.

Prerequisite: 9 credits of upper-division communication courses, 2.7 GPA or above, and instructor approval.

COM 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

COM 3991 (1 to 3)

Paid Internship

See Internship Section.

COM 4900 (3)

Seminar in Communication Criticism

A "capstone" course that allows senior communication students to use acquired skills on a longer in-depth paper. This course gives students the chance to use their chosen area of communication to create a portfolio-quality paper for graduate school and the job market.

Prerequisite: COM 3000, 3250, 3680 or 3900.

COM 6000 (3)

Communication Theory

A survey course of communication theories with an emphasis on those that address persuasive methods from the rhetorical and social science perspectives. Theories address interpersonal, media, group, and cultural communication situations. Students will develop skills as critical listeners and writers and become fluent in vocabulary for describing and analyzing persuasive messaging.

Prerequisite: Graduate standing.

COM 6010 (3)

Strategic Communication

A comprehensive view of strategic communication including persuasion theory, public relations, creativity, audience analysis, research, media selection and scheduling, script and copywriting, layout, budgeting, evaluation, and campaign management. The course explores the legal, regulatory, and ethical environment of advertising, current industry trends, and major contributors to the field.

Prerequisite: COM 6000, 6050 or concurrent enrollment.

Graduate standing.

COM 6050 (3)

Communication Research Methods

Focuses on the theory and practices of writing and presenting communication research including the elements of conducting rigorous research and writing. The course explores various qualitative and quantitative methodologies including various techniques such as descriptive, contextual/historical, and empirical analysis. Students also develop skills using various databases and communication research sources.

Prerequisite: Graduate standing.

COM 6070 (3)

Advanced Media Research

This course focuses on methodologies and their applications, including survey, content analysis, and experiments. Data analysis features descriptive and inferential statistics frequently used in empirical research. This is an elective research course for students seeking work in mass communication disciplines.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6085 (3)

Speech Making and Writing

The history of and current trends in speechwriting and speechmaking with an emphasis on persuasion, the strategic employment of language, and the interface of speechmaking and technology. Students will learn and practice the art of effective speechmaking by studying both effective and inadequate models of oratory. Students will learn how to prepare various types of speeches for a variety of audiences and rhetorical situations, be they political, corporate, or professional.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6100 (3)

Integrated Communication

A survey of the dynamics, practices, and interrelationships among information outlets, consumers, and organizations upon the base of current theories and models of communication. It provides a mix of the art and science of marketing, public relations, organizational communication, and the mass media and includes strategic applications for a variety of topics specific to public communication and the private sector.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6200 (3)

Organizational Communication

An examination of organizational elements that affect communication including formal and informal hierarchies, corporate culture, conflict resolution, leadership style, and technology. It develops in students the ability to manage a diverse workforce, communicate effectively and efficiently in a group or through mass media, and plan strategic communication campaigns. Emphasis is on problem-solving and critical-thinking skills.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6305 (3)

Crisis Communication

This course provides an in-depth study of key aspects of crisis communication and prepares students to anticipate, identify clues, and initiate pre-emptive programs for natural,

financial, personnel, and domestic terror threats. The course covers related research, strategic planning, presentations, media relations, government relations, and international relations.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6310 (3)

International Communication

This course will examine the elements that affect communication across cultural and national boundaries. It will investigate those effects on conflict development and management, leadership style, and technology. It will develop in students the ability to communicate effectively and efficiently when crossing cross-cultural and world view boundaries.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6315 (3)

Tourism and Cross-Cultural Communication

This course explores communicative/rhetorical, cultural, and political issues surrounding the experience of "tourism." People experience tourism differently: for some, it is a leisure activity; for others, a form of inter-cultural encounter; for some, it is a development strategy; and for others, another form of imperialism. From the viewpoint of this course, tourism offers an interesting window for understanding globalization, the culture of post/modernity and post-coloniality, and who we/they are. In advancing these issues, this course will highlight how communication/rhetoric plays a pivotal role in tourism.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6350 (3)

Events Planning

This is a skills-development course where students explore the profession of special-event planning via a service-learning approach. Students will learn foundational concepts and professional skills through both application and theory. Topics include event coordination, strategic sponsorship, programming, marketing, communications, volunteer and vendor management, risk management, research, and evaluation.

Prerequisite: COM 6000, 6050, & 6650 (Completed or concurrent) Graduate standing and Director/Dean's Approval.

COM 6460 (3)

Digital Graphic Design

Students create digital designs and illustrations usable for web and print purposes. Graphic design principles and skills will be taught, as well as use of photography, color, type, etc. Students design such items as advertisements, posters, logos, newsletters, brochures, information graphics, etc.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6500 (3)

Teaching Techniques

This course will explore teaching and learning strategies including syllabus construction, content structure, assessment methods, learning and instructional methods, and similar topics. Students will also have an opportunity to assist faculty in the delivery of undergraduate courses at HPU.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6510 (3)

Web Design

In these times of exciting changes in media technologies, we all must understand the web and how humans processed information. We will look at the visual aspects of the web and apply these ideas on a final individual or group project for an actual client, from planning to execution.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6540 (3)

History of American News Media

This course is an examination of the history of American news media from colonial times to the present. The course will place an emphasis on the role of decisive individuals, the theory of American democracy and the Fourth Estate, technology, economics, the creed of objectivity, First Amendment issues, political speech, ethics, the courts, wartime reporting, the treatment of ethnic groups, the cult of celebrity, and matters of taste.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6545 (3)

Literary Journalism

An examination of the fictive techniques employed in the writing of American journalism. This can include newspaper hard news, features, magazine pieces, essays, memoir, and non-fiction novels. The course will place an emphasis on writing techniques that many critics call "faction," research, and the writing of actual compositions of varying lengths that employ the narrative techniques of fiction writers.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6555 (3)

Photojournalism

Students assemble their own photojournalism portfolio as they complete assignments based on those of professional photojournalists in this digital photojournalism course. Students learn principles of photojournalism. Techniques, ethics, and legal considerations in photojournalism will be discussed. Students supply their own digital SLR cameras. Only digital SLR cameras approved by the instructor may be used for the course.

Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.

COM 6580 (3)

Social Media: Theory and Practice

This course examines the modern media landscape of social media (e.g. Facebook, Twitter, Instagram,...). Emphasis is on effectively using social media in marketing, journalism, P.R., politics, and civic engagement. Students will develop understanding of the role of social media in modern life and how to effectively, and ethically, use it.

Prerequisite: COM 6000, 6050, & 6650 (completed or concurrent enrollment.) Graduate standing and Director/Dean's Approval.

COM 6590 (3)

Feature Film Screenwriting

Students in this course study narrative design and screenwriting techniques. The course is project-oriented and the final deliverable is a feature-length screenplay. The course explores narrative pedagogy, story structure, character development, plot strategy, dialogue, and other screenwriting techniques. Participants engage in rigorous close textual analysis of their own and other screenplays.

Prerequisite: COM 6000, 6050 or concurrent enrollment.

Graduate standing.

COM 6650 (3)

Intellectual Property and Media Ethics

Students will be exposed to a survey of major areas of media law: governmental regulation of political speech; defamation; privacy torts; news gathering rights, and intellectual property issues such as trademark, patent, copyright, and fair use. This course concentrates on the interplay between new media, cutting-edge technologies, privacy, and other civil liberties. Students can expect to engage in a conversation about the ethical, cultural and political issues facing media.

Prerequisite: Graduate standing.

COM 6670 (3)

Communication and Legal Practice

This course uses the courtroom as a context for the study of communication and conflict. Students will apply theories of verbal and non-verbal behavior, public speaking and persuasion, and small group behavior and communication while managing conflict that occurs on multiple levels. Students will participate in progressively challenging legal activities, including case analysis, opening statement, witness examination, jury selection, and mock trial.

Prerequisite: COM 6000. Graduate standing.

COM 6700 (3)

Promotion Management

A survey of promotional strategies for modern businesses including techniques for planning; budgeting; scheduling; and implementing a coordinated promotional campaign of advertising, personal selling, sales promotion, and public relations.

Prerequisite: COM 6000 and 6050. Graduate standing.

COM 6750 (3)

Gender Communication

Gender Communication studies how gender is produced through communication practices and cultural contexts. Students will gain competence in the theoretical traditions pertaining to gender and acquire analytical insight into cultural variance. This course will explore how social norms and gender expectations both construct and affect communication practices in interpersonal, intercultural, and organizational settings as well as how they are reflected, reproduced, and altered in mass media.

Prerequisite: COM 6000, 6050 or concurrent enrollment.

Graduate standing.

COM 6760 (3)

Film Criticism

The study of film as a communication medium. Students will study film aesthetics and how those aesthetics give rise to rhetorical implications, explore various ways to approach the film artifact and how to identify the genre of the artifact, and critique the effectiveness of film.

Prerequisite: COM 6000 and 6050 or concurrent enrollment.

Graduate standing.

COM 6770 (3)

Media Criticism

This course provides a focused survey of contemporary methods for the analysis and evaluation of mediated messages. Students will learn techniques for choosing a representative artifact and how to select relevant details and examples from the artifact to demonstrate how media communicate culturally and stylistically to a variety of audiences. Particular attention is given to emerging new forms of media and methods appropriate to their evaluation.

Prerequisite: COM 6000, 6050 or concurrent enrollment.

Graduate standing.

- COM 6910** (3)
Selected Topics in Communication
 Course title, content, and prerequisites will vary. May be repeated when title and content have changed.
Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.
- COM 6970** (3)
Current Issues in Communication
 This course will be taught seminar style, based on discussion of current issues in communication. Topics will vary weekly. Students will be assigned topics and will be expected to facilitate discussions on those topics. Other students should be prepared to actively participate in those discussions.
Prerequisite: COM 6000, 6050 or concurrent enrollment. Graduate standing.
- COM 6990** (1 to 3)
Nonpaid Internship
Prerequisite: Graduate standing.
- COM 6991** (1 to 3)
Paid Internship
Prerequisite: Graduate standing.
- COM 7150** (3)
Capstone I
 Initial design and development of the academic thesis or professional project.
Prerequisite: COM 6000, 6050, 6650 and advisor approval. Graduate standing.
- COM 7250** (3)
Capstone II
 Final preparation and presentation of the academic thesis or professional project. This will include an oral presentation and defense.
Prerequisite: COM 7150. Graduate standing.
- COM 7299** (1)
Continuing Thesis II Writing
 This course will be a continuation of the COM 7250 Thesis II capstone seminar in which students will continue to research and write their thesis paper with guidance from their three committee faculty mentors approved during COM 7150/7250.
Prerequisite: COM 7150. Graduate standing.
- COOP--Cooperative Education**
- COOP 2990** (1)
Cooperative Education I
 Introductory supervised paid work experience for a minimum of 200 hours directly related to major. The student report and evaluation are assigned by an HPU instructor who assesses progress toward curricular and career objectives. Emphasis is on entry-level work and the course is meant to be exploratory in nature.
Prerequisite: COM 1000 or concurrent.
- COOP 2991** (1 to 3)
Cooperative Education II
 Advanced supervised paid work experience for a minimum of 200 hours directly related to major. The student report and evaluation are assigned by an HPU instructor who assesses progress toward curricular and career objectives. Emphasis is on entry-level work and the course is meant to be exploratory in nature. Course may be repeated for credit.
Prerequisite: COOP 2990.
- COOP 2992** (1 to 3)
Cooperative Education III
Prerequisite: COOP 2991.
- COOP 3990** (1 to 3)
Cooperative Education III
 Introductory supervised paid work experience for a minimum of 200 hours directly related to major. The student report and evaluation are assigned by an HPU instructor who assesses progress toward curricular and career objectives. Emphasis is on entry-level work and the course is meant to be exploratory in nature.
Prerequisite: COM 1000 or concurrent.
- COOP 3991** (1 to 3)
Cooperative Education III
 Advanced supervised paid work experience for a minimum of 200 hours directly related to major. The student report and evaluation are assigned by an HPU instructor who assesses progress toward curricular and career objectives. Emphasis is on entry-level work and the course is meant to be exploratory in nature. Course may be repeated for credit.
Prerequisite: COOP 2990, 2991, or 3990.
- COOP 6990** (1)
Cooperative Education IV
 Introductory supervised paid work experience for a minimum of 200 hours directly related to degree/concentration. The student report and evaluation are assigned by an HPU instructor who assesses progress toward curricular and career objectives. Emphasis is on entry-level work and the course is meant to be exploratory in nature.
- COOP 6991** (1 to 3)
Cooperative Education V
 Supervised paid work experience for a minimum of 200 hours directly related to degree/concentration. The student report and evaluation are assigned by an HPU instructor who assesses progress toward curricular and career objectives. Emphasis is on entry-level work and the course is meant to be exploratory in nature. Course may be repeated for credit.
Prerequisite: COOP 6990.
- CSCI--Computer Science**
- CSCI 1011** (3)
Introduction to Computer Information Systems
 Students will learn to enhance their personal productivity and problem-solving skills by applying information technologies to problem situations and by designing and using word processing, spreadsheets, and presentation software. Other topics include technology concepts and the impact of computer technology on society.
- CSCI 1041** (3)
Digital Literacy in a Global Society
 This course gives students tools to be active participants in today's global culture of digital literacy. Students will learn current technology for acquiring, analyzing, and sharing information; analytical skills to understand, organize, and analyze numeric and graphic data; and communication skills to convey information in a context appropriate to the receiving audience. Readings will initiate discussions of technology issues such as: cybersecurity, addiction to social media, ethics and privacy, and intellectual property issues in a global society. The course is presented in a global context with local details drawn from a variety of countries and cultures.
- CSCI 1061** (3)
Mobile Technologies for the 21st Century
 Learn to use mobile technologies and non-proprietary apps for your academic and personal productivity and for broadening

your information and technology literacy. In a project-based class, you work on realistic projects that focus your critical thinking and computational skills. The course work draws from the unique opportunities offered by mobile technologies to communicate, work collaboratively, and share knowledge. For example, you may use mobile technologies to survey subjects, use charts and spreadsheets to evaluate survey findings, and finally publish your findings in course websites. Readings and discussion will analyze the social impact of an always-on, always-connected world.

CSCI 1611 (3)
A Gentle Introduction to Programming

This course is a gentle introduction to creating computer programs using a popular and powerful programming language such as Python or Ruby. Programs tell computers, step by step, how to do the amazing things they do, such as special effects for movies, apps for smart phones, searches through websites, and control of robots. Programs can stimulate and help evaluate models of our world. Students learn problem-solving and critical thinking, crucial skills in college, careers, and life. Topics cover fundamental programming concepts including: variables and data types, conditional and iterative control structures, modularization with functions and parameters, and testing.

Prerequisite: Math 1105 or equivalent placement.

CSCI 1911 (3)
Foundations of Programming

An introduction to computer science and computer information systems in preparation to study computer programming and problem solving. Students are introduced to the foundations of algorithms required for intermediate-level problem solving, and programming language elements and environments required to create, compile, and execute high-level language problems.

Prerequisite: Math 1105 or equivalent placement.

CSCI 2301 (3)
Discrete Math for Computer Science

An introduction to the theory and applications of discrete mathematics including set theory, functions, zero- and first-order logic, induction, proofs (including direct, by cases, contraposition, contradiction, counterexample), logical inferences, truth tables, sequences, summations, formal counting techniques, number theory, growth of functions and their asymptotic bounds, logarithms, and simple recurrence relations. Sample computer-programming topics include design; pseudocode; sorting, searching and other common algorithms; recursion; tracing; debugging; testing; trees; strings; encryption; and bitwise operations. This course provides foundation material for other courses that require mathematical problem-solving skills.

Prerequisite: Math 1105 or equivalent placement; CSCI 1911 or equivalent placement.

CSCI 2761 (3)
HTML, CSS, and Web Design

An introduction to web page and web site design. Students will learn the mechanics and aesthetics of a good web design and the best current practices within the evolving HTML and CSS standards. Additional topics include incorporating social media, search engine optimization (SEO), structuring an e-commerce friendly web presence, and using current blogging platforms such as Wordpress or Drupal.

CSCI 2911 (3)
Computer Science I

The fundamentals of algorithmic problem solving, plus structured and object-oriented programming. Topics include problem analysis and decomposition; stepwise refinement; pseudocode and charting techniques; basic control structures

and data types; modularization and parameter passing; object-oriented design and classes; introduction to GUIs, files, and arrays; testing; program tracing; and debugging. Extensive programming assignments.

Prerequisite: CSCI 1611 or 1911 or advisor approval; and MATH 1105 or higher.

CSCI 2912 (3)
Computer Science II

An intermediate problem-solving and programming course using the Java programming language. Topics include composite and abstract data structures; GUI beyond the basics; inheritance and polymorphism; aggregate classes; abstract classes and methods; interfaces; exceptions; recursion; and good software engineering practices such as: modular programming techniques, defensive programming, code archeology, documentation, code design based on customer specification, refinement, and testing. Structured and object-oriented programming methods are reinforced through extensive programming assignments. This course builds on CSCI 2911 and provides foundation material for CSCI 2913.

Prerequisite: CSCI 2911; CSCI 2301 or concurrent.

CSCI 2913 (3)
Data Structures

Third course of the core problem-solving and programming sequence for computer science majors. Students advance problem-solving and programming skills by learning to separate solutions for computation problems into two fundamental parts: algorithm and data structure. Extensive programming assignments to create, implement, use, and modify programs that manipulate standard data structures. Topics include: abstract data types, big-O complexity, linked lists, stacks, queues, trees, binary search trees, heaps, heap sort, hashing, and recursion.

Prerequisite: CSCI 2912; CSCI 2301.

CSCI 2916 (1)
Computer Science I Lab

Lab component to accompany CSCI 2911. This course will provide directed lab exercises for students to improve their understanding of the content of CSCI 2911 and their skills in creating and debugging computer programs.

Prerequisite: CSCI 2911 or concurrent.

CSCI 3001 (3)
Assembly Language and Systems Programming

Students learn about the internal organization of modern computers and assembly-level programming on contemporary processors. Topics include: integration of assembly language with high-level programming languages such as C and C++, runtime stack, pointers, efficient coding strategies, and assembly language as the foundation for higher-level programming languages. Course material is reinforced by programming assignments.

Prerequisite: CSCI 2911; CSCI 2301.

CSCI 3101 (3)
Algorithms

This course covers the analysis and design of algorithms. Good algorithm design is crucial for software performance. Topics include: efficiency analysis; big-O, omega, and theta notation for asymptotic upper, lower, and tight bounds on algorithm time complexity; recurrence equations; proof by induction and contradiction; brute-force, greedy, and divide-and-conquer algorithms; sorting algorithms including heapsort, mergesort, quicksort; graphs, trees, heaps; binary search; breadth and depth-first search; Dijkstra's shortest-path algorithm; minimum spanning trees, Prim's algorithm; maximum network flow dynamic programming; tractable and

intractable problems; NP-complete problems and the P and NP classes; and uncomputable functions. In-depth programming assignments.

Prerequisite: CSCI 2913; CSCI 2301.

**CSCI 3106 (3)
Programming Challenges**

Students solve and implement advanced programming problems covering a wide range of algorithmic topics. The course is structured around preparation to participate in an annual programming contest conducted by the Association for Computing Machinery (ACM). CSCI 3106 complements CSCI 3101, Algorithms, by providing students with less theoretical, more hands-on problem solving and programming. Topics include: data structures, strings, sorting, arithmetic and algebra, combinatorics, number theory, backtracking, graph algorithms, dynamic programming, grids, and geometry.

Prerequisite: CSCI 2911.

**CSCI 3201 (3)
Information Management Using Spreadsheets and Databases**

Students obtain experience managing information using spreadsheet and database software applications for business and personal productivity through a problem-solving approach. Spreadsheet topics include formulas and functions, nested functions, representation of dates and date arithmetic, IF functions and nested IF functions, loan payment calculations, relative and absolute cell references, basic charts, filtering, what-if analysis such as goal seek, and data tables. Database topics include tables, queries, forms, reports, relationships (one-to-many and many-to-many), primary and foreign keys, and validation. General topics include application design, testing and correctness, reliability, and usability.

Prerequisite: CSCI 1041, 1061, or 1534.

**CSCI 3211 (3)
Systems Analysis**

An overview of the systems development life cycle with emphasis on techniques and tools of system specifications. The course covers the strategies and techniques of modern systems development.

Prerequisite: CSCI 2912; CSCI 3201 or 3301.

**CSCI 3242 (3)
Modeling and Simulation**

This course introduces concepts of analytic modeling and computer simulation. It encompasses mathematical techniques, algorithms, and applications available to assist and improve decision making and understanding of various types of systems. Sample topics include discrete event simulation, mathematical and computational modeling, virtual reality, and GUI simulations. Models will progress sequentially through steps such as problem statement, formalization, implementation and simulation, visualization, and comparisons to analysis, experiment and observation. Students work on projects drawn from a variety of areas such as management, behavioral and natural sciences; applied mathematics; engineering; gaming; computer networking; and scheduling.

Prerequisite: CS 2911; CSCI 2301; MATH 1123; MATH 1140 or 1150; and consent of instructor.

**CSCI 3301 (3)
Database Technologies**

An introduction to the design, development, and implementation of database management systems (DBMS). Topics include conceptual data modeling, logical and physical design, the relational model,

normalization, SQL and high level language programming, transaction processing and concurrency control, database architecture, data warehouses, and database administration. Upon successful completion of this course the student will be able to design and implement database solutions for future academic or industry projects.

Prerequisite: CSCI 2911. *Recommended:* CSCI 3201 or MIS 2000.

**CSCI 3302 (3)
Data Mining and Knowledge Engineering**

An introduction to the discovery of knowledge through data mining and knowledge engineering. These techniques have widespread practical importance in domains such as bioinformatics, genetics, medicine, natural sciences, engineering, business, marketing, intelligence gathering, and computer security. General topics include: basic statistics, machine learning, data warehouse structure and design, the knowledge discovery process, data coding, data mining and knowledge engineering approaches and mathematical techniques, pattern recognition, and mitigating the impact of missing data and noise on knowledge discovery. Possible specific topics include: DNA sequencing, customer satisfaction, credit card and cell phone fraud, computer forensics, spatial applications, Bayesian networks, and surveillance.

Prerequisite: CSCI 2911; CSCI 2301; MATH 1123; MATH 1140 or 1150; and consent of instructor.

**CSCI 3401 (3)
Data Communications**

An examination of the principles of data communications for computers and computer terminals, including data transmission performance, communications software, protocols, switching, and simple networks.

Prerequisite: CSCI 2912; CSCI 2301; *Recommended:* Math 1123.

**CSCI 3501 (3)
Computer Organization**

A computer is regarded as a hierarchy of levels, each one performing a well-defined function. This course provides detailed coverage of the digital logic, micro-architecture, and instruction-set architecture levels. Students are required to implement a simulator for a microprogrammed computer architecture using a contemporary high-level object-oriented programming language.

Prerequisite: CSCI 3001; CSCI 2301.

**CSCI 3601 (3)
Operating Systems**

An introduction to the fundamental processes of operating systems, covering system structure, process creation and management, memory allocation and management, scheduling, I/O, and device drivers.

Prerequisite: CSCI 3501.

**CSCI 3611 (3)
Unix Systems Administration**

This course covers the Unix operating system and system administration responsibilities. Topics include: system startup and shutdown, managing startup services, hard drive partitioning and file system concepts, file management, user administration, networking and applications installation and administration, shells and scripts, regular expressions, performance monitoring and tuning, logs, basic system security, and kernel reconfiguration. Extensive hands-on assignments.

Prerequisite: CSCI 2301; CSCI 2911.

**CSCI 3621 (3)
Networking**

This course describes how voice, data, image, and video information is communicated through networking, how it is accomplished, protocol and network configuration, and LAN system software.

Prerequisite: CSCI 3401; CSCI 3601.

CSCI 3632 (3)

Internet Programming

This course focuses on strategies for providing secure, reliable, and useful web-based applications. Topics include: the development of dynamic web sites; client-side programming; server-side programming; back-end databases; RESTful web services; secure transaction processing; other features of commercial quality web sites; and selected current topics such as Google Maps, Facebook, and Twitter APIs. Extensive programming assignments.

Prerequisite: CSCI 2912; Recommended: 3301.

CSCI 3640 (3)

Computer Security and Information Assurance

The assessment of potential security threats to computer systems. Topics include: controlling site and system access; protecting and maintaining data integrity; environmental/facility considerations such as power and climatological factors; assessing intrusion detection consideration; theft, espionage, sabotage, and incompetence; backups and alternative systems.

Prerequisite: CSCI 2911; CSCI 2301.

CSCI 3651 (3)

Game Programming

An introduction to the many types of computer game programming. This course reviews the computer-science theory and programming behind classic games such as Tetris and Space Invaders; genre creators such as SimCity and Civilization; as well as modern techniques behind sophisticated games such as Quake, Grand Theft Auto and Red Dead Redemption. Students get hands-on experience creating 2D games in JavaScript/HTML5 and 3D games in systems such as the Unreal Engine. Course also briefly covers interactive narrative text adventures, mobile games and game Artificial Intelligence.

Prerequisite: CSCI 2911 and 2912.

CSCI 3721 (3)

C#

This course provides the fundamental skills that are required to design and develop object-oriented applications for the web and Microsoft Windows using C#, the Microsoft Visual Studio .Net development environment, and Microsoft Foundation Classes. Business and scientific problems are solved through object-oriented analysis and design using features inherent to C# and .Net.

Prerequisite: CSCI 2911 and 2912.

CSCI 3722 (3)

C# II

This course covers the major topics for Windows client application programming using the .NET Framework. Topics include: Windows Forms, Microsoft Foundation Classes, simple data access, interoperating with unmanaged code, threading and asynchronous programming issues, simple remoting, web access, Web Services consumption, debugging, security, and development issues for desktop applications.

Prerequisite: CSCI 2911, 2912, and 3721.

CSCI 3723 (3)

Visual Basic

An introduction to scientific and business problems that are solved through software engineering techniques and the

capabilities inherent in the language presented. Topics may include: functions, structures, formats, exception handling, I/O, objects, and recursion, where applicable.

Prerequisite: CSCI 2911 and 2912.

CSCI 3724 (3)

Visual Basic II

An advanced course that draws upon concepts and skills mastered in CSCI 3723. Sophisticated and complex applications of the language and interfaces presented are featured. Major topics may include: routine optimization, modular integration, GUI, large scale implementation, multitasking, and multiprocessing.

Prerequisite: CSCI 2911, 2912, 3723.

CSCI 3731 (3)

Problem Solving and Programming Using C++

An advanced problem-solving and programming course with emphasis on the systems programming features provided by the C++ programming language. Objects, memory management, and systems programming are stressed. Extensive programming assignments are required.

Prerequisite: CSCI 2911 and 2912.

CSCI 3753 (3)

Java

An introduction to scientific and business problems that are solved through software engineering techniques and the capabilities inherent in the language presented. Topics may include: functions, structures, formats, exception handling, I/O, objects, and recursion, where applicable.

Prerequisite: CSCI 2911 and 2912.

CSCI 3754 (3)

Java II

An advanced course that draws upon concepts and skills mastered in CSCI 3753. Sophisticated and complex applications of the language and interfaces presented are featured. Major topics may include: routine optimization, modular integration, GUI, large scale implementation, multitasking, and multiprocessing.

Prerequisite: CSCI 2911, 2912, 3753.

CSCI 3771 (3)

Python

An introduction to programming in the popular Python programming language. Topics include data types, simple statements, control structures, strings, functions, recursion, the Python interpreter, system command lines and files, module imports, object types, dynamic typing, scope, classes, operator overloading, exceptions, testing, and debugging. The course will enable students to program fluently in Python and move on to advanced topics such as programming collective intelligence and natural language processing. Mastery of Python also provides a foundation for learning the web programming framework Django.

Prerequisite: CSCI 2911 and 2912.

CSCI 3776 (3)

Ruby on Rails

This course covers the fun, popular, and powerful web programming framework Ruby on Rails, which enables programmers to rapidly develop sophisticated websites with databases. Topics include: Ruby programming language, embedded Ruby, Model-View-Controller (MVC) software architectural pattern, Rails directory structure, database object-relational mapping (ORM) using active records, database migrations, maintaining user state with database sessions, asynchronous JavaScript and XML (Ajax) development techniques for interactive web applications, testing, and debugging. Extensive programming assignments to

create websites with relational databases.

Prerequisite: CSCI 2912.

CSCI 3911 (3)

Software Engineering

The course teaches software engineering techniques and system analysis methodologies based on the Software Engineering Body of Knowledge (SWEBOK) using Software as a Service (SaaS), Agile development methodologies, and Cloud based applications. This course covers Design Patterns, code version repositories, and open source project software engineering methodologies, critical for every programmer. It also covers systems analysis and business analysis skills of talking to a customer, creating prototypes, and alternative development methodologies.

Prerequisite: CSCI 2912; CSCI 3211.

CSCI 3990 (1 to 3)

Nonpaid Internship

See Internship section.

Prerequisite: CSCI 2911, 2912.

CSCI 3991 (1 to 3)

Paid Internship

See Internship section.

Prerequisite: CSCI 2911, 2912.

CSCI 4620 (3)

Computer System Forensics

This course is an in-depth study of computer system forensics including methodologies used for analysis of computer security breaches. Forensics is the use of science and technology to investigate and establish facts in criminal or civil courts of law. The student will be introduced to digital forensics and practiced by local, state, and federal law enforcement. Assignments will reinforce the theory presented in the lecture and will provide students with hands-on experience using well-known, publicly available, digital forensic tools. Students will work on one of two separate networks dedicated to cyber security teaching and research.

Prerequisite: CSCI 3401; CSCI 3640; CSCI 3001 or 3501.

CSCI 4640 (3)

Advanced Topics in Cybersecurity

A lecture and project-based course on advanced topics in cybersecurity. Students learn and apply the principles, skills, and art of building and defending a secure network. Topics address current issues in areas such as: ethical hacking, network defense, countermeasures, writing secure code, network penetration testing, and basic forensics. Students work in teams using contemporary tools to analyze, hack, and defend network systems.

Prerequisite: CSCI 3401; CSCI 3640; CSCI 3001 or 3501.

CSCI 4701 (3)

Introduction to the Theory of Computation

Students will learn about formal models of computation and how these are used as the basis for the design of all computer systems and programming languages. Students will gain practical hands-on knowledge of computation theory as it applies to programming language translation (compilers and interpreters). To help comprehend virus protection programs and computer security, the creation of self-replicating programs (the basis of most viruses) will be explored. Students will learn how computational problems are classified as solvable, unsolvable, tractable, and intractable. The material covered ties together the theory of computer base computation and the application of this theory to problem solving and programming.

Prerequisite: CSCI 2301; CSCI 2911.

CSCI 4702 (3)

Mobile Programming

A course on the programming of applications for mobile computing including devices such as mobile phones, pads, and tablets. Students will learn best practices in programming for mobile devices including iPhones, iPads, or Android smart phones. At the end of the course students will be proficient in developing mobile applications and using device emulators for coding and testing. This course will at times include joint projects with students in the mobile design course, MULT 4702.

Prerequisite: CSCI 2911, 2912.

CSCI 4705 (3)

Artificial Intelligence

Artificial intelligence (AI) is the study of the design of intelligent agents that are capable of reasoning, planning, and acting in a dynamic environment. This field encompasses logic, probability, and continuous mathematics; perception; learning; and everything from microelectronic devices to robotic planetary explorers. In this course, we will focus on the design of logic based intelligent agents by introducing topics such as knowledge representation, probabilistic reasoning, natural language processing, and logic programming. We will solve classic AI problems such as uncertainty, planning, diagnosis, and search and will apply the solutions to solve problems not only in computer science but also in areas as diverse as biology, linguistics, philosophy, and art.

Prerequisite: CSCI 2911, 2912, and 2913.

CSCI 4911 (3)

Software Project I

A lecture and project-oriented course dealing with the application of the principles, skills, and art of the design and construction of software systems in a realistic environment. Topics include: modern software development strategies; integrating program subsystems into efficient and aesthetic systems; systems standardization; information engineering; and testing.

Prerequisite: CSCI 2913; CSCI 3301; CSCI 3401; CSCI 37XX; CSCI 3911 or consent of the instructor.

CSCI 4921 (3)

Software Project Management

A lecture and project-based course dealing with the application of principles, skills, and the art of managing a software development project in a realistic environment. Topics include: software development models and economics, team effectiveness, software life-cycle phases, determination of software requirements, software development metrics and standards, testing, and documentation. **Capstone course.**

Prerequisite: CSCI 2912; and consent of the instructor.

CSCI 4931 (3)

Systems Administration

A lecture and project-oriented capstone course dealing with the principles, construction, monitoring, maintenance, testing, and art of system administration for open and closed client and server systems. Topics include: project management, security, system accounting, system maintenance, services, diagnostic methods, security, and disaster recovery. *Prerequisite:* CSCI 3601, 3621.

CSCI 4997 (1 to 3)

Directed Readings in Computer Science

Directed individualized readings.

Prerequisite: Consent of instructor.

CYBS—Cybersecurity

- CYBS 2201** (3)
Fundamentals of Cybersecurity
 This course introduces preventive methods to protect information by understanding potential threats, vulnerability assessment, spyware, hacking, viruses, and malicious attacks. The course covers strategies including identity, risk, and incident management.
- CYBS 2202** (2)
Fundamentals of Network Security
 An overview of the underlying concepts of computer network security including local area network (LAN), server administration, routers, switches, firewalls, and tools to monitor internal/external network security, availability, and performance.
- CYBS 2203** (3)
Secure Programming
 This course is designed for programmers who are responsible for designing, building, and implementing secure applications integrating with a relational database. The emphasis is on the security of a single program accessed through a network or web service. Students will gain the knowledge and experience of programming and validating a secure and distributed application. Successful completion of this class will give students some of the basic tools in how to design and implement secure systems.
Prerequisites: CSCI 2911, CSCI 2761.
- ECON--Economics**
- ECON 1000** (3)
Naked Economics
 This course introduces the core tenets of economic thought through a variety of disciplines, media, and mechanisms. Primary economic topics include: incentives and choice, the functioning of markets, public policy, poverty, fairness, information, and social choice theory.
- ECON 1010** (3)
Introduction to Global Economic Issues
 This course will introduce students to the economic forces and controversies behind globalization. It will also provide background to students for an increased awareness and sensitivity to multicultural communities. Students are expected to develop skills for critical analysis of the elements of prosperity, sustainability, and conflict.
- ECON 2010** (3)
Principles of Microeconomics
 A general introduction to microeconomics, the study of individual consumers, groups of consumers, and firms. This course examines: demand theory; the theory of the firm; demand for labor; market theory; interaction between markets; and welfare economics.
- ECON 2015** (3)
Principles of Macroeconomics
 A general introduction to macroeconomics, the study of the aggregate economy. This course examines: how levels of output, employment, interest rates, and prices in a nation are interrelated; what causes these levels to change; and the use of policy measures to regulate them.
- ECON 3010** (3)
Intermediate Microeconomics
 An advanced treatment of the major topics of microeconomics with additional emphasis on the free market, private enterprise, competition, and international trade and finance. Subject matter includes: theory of the firm, consumer behavior, resource allocation, profit maximization, and optimal pricing criteria.
Prerequisite: ECON 2010, 2015; MATH 2214 or 2326; any WC&IL II course.
- ECON 3015** (3)
Intermediate Macroeconomics
 An advanced discussion of topics covered in macroeconomics, including: relationships among output, employment, interest rates, and prices; cause of change in these levels; role of government. Special emphasis on the distinctions among the Classical, Keynesian, Neoclassical, and Monetarist schools of thought.
Prerequisite: ECON 2010, 2015; MATH 1130 or higher; any WC&IL II course.
- ECON 3020** (3)
Managerial Economics
 The application of economic theory to managerial practices including both public and private sector management. Various topics revolve around the nature of market structures and the business environment including: barriers to entry, product differentiation, and exclusivity. Topics include: supply and demand analysis, profit maximization in varying market structures, and the role of competition.
Prerequisite: ECON 2010, 2015; MATH 1123, 2326.
- ECON 3100** (3)
Introduction to Econometrics
 A study of the analysis of quantitative data, with special emphasis on the application of statistical methods to economic and business problems.
Prerequisite: ECON 2010, 2015; MATH 1123; any WC&IL II course.
- ECON 3110** (3)
Game Theory
 An introduction to the tool of game theoretic analysis with a strong emphasis on applications. The course covers both static and dynamic games as well as games with varying degrees of information. The breadth of applications spans labor economics, international trade, environmental economics, industrial organization, corporate finance, and public choice.
Prerequisite: A grade of C- or higher in any WC&IL II course; ECON 2010.
- ECON 3200** (3)
Industrial Organization
 An advanced course in modern industrial organization that studies the rational functioning of markets. Topics include: coverage of price discrimination, vertical control, price competition, entry and accommodation, reputation, predation, and the adoption of new technologies.
Prerequisite: ECON 2010 and 2015.
- ECON 3220** (3)
Labor Economics
 An extensive study of the labor market, this course begins with an overview of demand and supply in labor markets and then explores a variety of topics including the relationship between pay and productivity, the earnings of women and minorities, collective bargaining, earnings inequality, and the economic impact of unemployment.
Prerequisite: A grade of C- or higher in any WC&IL II course; ECON 2010 and 2015.
- ECON 3300** (3)
Money and Banking
 A focus on the study of money: its nature, its function in society, and its role in the economy. Representative units include commercial banking, central banking, international banking, the Federal Reserve System, and credit and its

effect and regulation.

Prerequisite: A grade of C- or higher in any WC&IL II course; ECON 2010 and 2015.

ECON 3310 (3)
Public Finance

An analysis of government expenditures, redistribution programs, budgetary process, and financial methods; their economic impacts; and their political ramifications. Topics include: taxation and its economic effects, fiscal policy, and intergovernmental fiscal relations.

Prerequisite: ECON 2010 and 2015* (* may be taken concurrently); any WC&IL II course.*

ECON 3400 (3)
International Trade and Finance

An advanced economics and finance course surveying topics in international trade and finance. Topics include: international trade theories; impacts of free trade, tariffs, quotas, and exchange controls; foreign exchange markets; balance of payments; and international monetary arrangements.

Prerequisite: ECON 2010 and 2015; any WC&IL II course.

ECON 3409 (3)
Contemporary Issues in the Hawai'i Economy

Course analyzes various issues in today's Hawai'i economy. Topics include, but might not be limited to: economic diversification, the future of tourism, agriculture, high-tech, the military, construction, the local airlines, other industries, the role of government and taxation, the business climate, Neighbor Island economies, and Hawaiian sovereignty.

Prerequisite: ECON 2010 or 2015. Undergraduate standing.

ECON 3410 (3)
International Monetary Relations

An advanced course surveying topics in international monetary relations. Topics include: balance of payments, foreign exchange markets, international payments adjustment, and past and present international and European monetary arrangements.

Prerequisite: ECON 2010 and 2015.

ECON 3420 (3)
Economic Development

The study of the economic development theory and problems faced by less developed countries trying to achieve economic development. The influence of population, entrepreneurship, and values are also examined.

Prerequisite: A grade of C- or higher in any WC&IL II course; ECON 2010 and 2015.

ECON 3430 (3)
Environmental Economics

Economic principles applied to the analysis of contemporary environmental problems and their potential solutions.

Prerequisite: A grade of C- or higher in any WC&IL II course; ECON 2010.

ECON 3500 (3)
History of Economic Thought

An examination of the historical underpinnings of the private enterprise system and its characteristics, vitality, and dynamism in the context of classical and democratic capitalism. The dynamic system is examined in relation to the freedom and welfare of the individual and the society. Theorists such as Adam Smith, Karl Marx, John Maynard Keynes, Ludwig von Mises, and Milton Friedman, among others, are examined.

Prerequisite: A grade of C- or higher in any WC&IL II course; ECON 2015.

ECON 3900 (3)

Economic Issues of Asia

Contemporary issues such as trade, immigration, development, and international institutions of concern to Asian economies.

Prerequisite: A grade of C- or higher in any WC&IL II course; ECON 2015.

ECON 3990 (1 to 3)
Nonpaid Internship

See Internship Section.

ECON 3991 (1 to 3)
Paid Internship

See Internship Section.

ECON 4450 (3)
The World Economy

An examination of the complex set of internal and external variables that shape the progress and interrelatedness of economies of the world at various stages of development. Specific reference is made to selected data and reports.

Prerequisite: ECON 2010 and 2015; any WC&IL II course.

ECON 4900 (3)
Seminar in Economics

A seminar in which students participate in class discussions and give oral presentations on contemporary economic issues. In addition, students will prepare a research paper on a topic of their choice. The issues discussed will vary depending on the course instructor and student interests. **Capstone course.**

Prerequisite: ECON 3010 or 3020; ECON 3015. Senior standing.

ECON 4997 (1 to 3)
Directed Readings in Economics

Directed individualized readings.

ECON 6000 (3)
Economics for Business

Microeconomic and macroeconomic issues relevant to business managers. The course provides the tools necessary for efficient business decision-making and for an understanding of the economic environment in which business enterprises must operate. Topics include market structures, pricing strategies, cost analysis, monetary and fiscal policies, and the open economy.

Prerequisite: ECON 2010 and MATH 1123, or equivalents. Graduate standing.

ECON 6400 (3)
International Trade and Finance

An advanced study of selected problems in international trade including: trade theory and policy, current issues in free trade vs. protectionism, trade and economic growth, the international monetary system, multinationals and international capital mobility, and issues and prospects.

Prerequisite: ECON 6000. Graduate standing.

ECON 6410 (3)
International Financial Markets

Explorations of the functions of the international financial markets. Course topics include: foreign exchange rates and their determination, international payment adjustments, currency futures, international arbitrage, and international cash management.

Prerequisite: ECON 6000. Graduate standing.

ECON 6990 (1 to 3)

Nonpaid Internship
See Internship Section.

Prerequisite: Graduate standing.

ECON 6991 (1 to 3)
Paid Internship

See Internship Section.

Prerequisite: Graduate standing.

ECON 6997 (1 to 3)

Directed Readings in Economics Directed individualized readings. Repeatable for credit.

Prerequisite: Graduate standing

ED—Education

ED 3000 (3)

Foundations of American Education

Provide an introduction to the knowledge, skills, and dispositions that characterize the profession of education. Highlights the social, political, legal, historical, philosophical, and curricular foundations of American education. Advisor approval required.

Prerequisite: C- or higher in any WC&IL II course and Advisor approval required.

ED 3040 (3)

Mathematics Concepts for Elementary Teachers

An introduction to teaching strategies that facilitate effective learning experience in mathematics classes. Major areas of focus include curriculum theory and practice, instructional design, classroom management, assessment of student learning, and reflective teaching.

Prerequisite: C- or higher in any WC&IL II course and Advisor approval required.

ED 3100 (3)

Child and Adolescent Development for Educators

An overview of the major concepts, principles, theories, and research related to the growth and development of children and young adolescents so that teacher candidates may construct learning opportunities that support the intellectual, psychological, and social development of diverse learners.

Prerequisite: C- or higher in any WC&IL II course and Advisor approval required.

ED 3200 (3)

Education Research and Writing

An introduction to the scholarship of teaching and learning. Engages teacher candidates in disciplined reflection about teaching and learning. Candidates conduct a literature review; develop a research plan; collect, analyze, and interpret data; and engage in action planning.

Prerequisite: C- or higher in any WC&IL II course and admission to the B. Ed. in Elementary Education Program or consent.

ED 3300 (3)

Introduction to Teaching

Provides an introduction to general principles of reflective teaching. Focuses on the recursive process of planning, teaching, assessment of student learning, and reflection on professional practice. Emphasizes strategies for effective classroom management and teaching. Culminates in the delivery of a lesson plan in a school setting.

Prerequisite: C- or higher in any WC&IL II course and Advisor approval required.

ED 3310 (3)

Foundations of Culturally Based Education in Hawai'i

This course utilizes culturally responsive principles of teaching and learning, expert guest speakers from the

Hawaiian community, guided reflection, critical discourse, and the practical application of the *Nā Honua Mauli Ola* Hawaiian Cultural Pathways for Healthy and Responsive Learning Environments to the design of a culture-based unit plan. Participants in this course experience the land, history, culture, and language of Hawai'i to develop pedagogical practices that support the learning and well-being of Hawai'i's children.

Prerequisite: Completion of all General Education requirements, C- or higher in any WC&IL II course, and formally admitted into the School of Education.

ED 3400 (3)

Arts for Elementary Education

An introduction to teaching strategies that facilitate effective learning experiences in arts classes. Major areas of focus include curriculum theory and practice, instructional design, classroom management, assessment of student learning, and reflective teaching.

Prerequisite: C- or higher in any WC&IL II course.

ED 3420 (3)

Language Arts for Elementary Education

An introduction to teaching strategies that facilitate effective learning experiences in language arts classes. Major areas of focus include curriculum theory and practice, instructional design, classroom management, assessment of student learning, and reflective teaching.

Prerequisite: C- or higher in any WC&IL II course, admission to the B. Ed. in Elementary Education Program or consent.

ED 3421 (3)

Reading for Elementary Education

An introduction to teaching strategies that facilitate effective learning experiences in reading classes. Major areas of focus include curriculum theory and practice, instructional design, classroom management, assessment of student learning, and reflective teaching.

Prerequisite: C- or higher in any WC&IL II course, admission to the B. Ed. in Elementary Education Program or consent.

ED 3430 (3)

Foundations of English Language Learning

An introduction to teaching strategies that facilitate an effective learning experience for English Language Learners. Major areas of focus include curriculum theory and practice, instructional design, classroom and lab management, and assessment techniques.

Prerequisite: C- or higher in any WC&IL II course, admission to the B. Ed. in Elementary Education Program or consent.

ED 3440 (3)

Mathematics for Elementary Education

An introduction to teaching strategies that facilitate effective learning experiences in mathematics classes. Major areas of focus include curriculum theory and practice, instructional design, classroom management, assessment of student learning, and reflective teaching.

Prerequisite: C- or higher in any WC&IL II course, admission to the B. Ed. in Elementary Education Program or consent.

ED 3450 (3)

Science for Elementary Education

An introduction to teaching strategies that facilitate effective learning experiences in science classes. Major areas of focus include curriculum theory and practice, instructional design, classroom management, assessment of student learning, and reflective teaching.

Prerequisite: C- or higher in any WC&IL II course, admission to the B. Ed. in Elementary Education Program or consent.

ED 3460 (3)

Social Studies for Elementary Education

An introduction to teaching strategies that facilitate effective learning experiences in social studies classes. Major areas of focus include curriculum theory and practice, instructional design, classroom management, assessment of student learning, and reflective teaching.

Prerequisite: C- or higher in any WC&IL II course, admission to the B.Ed. in Elementary Education Program or consent.

ED 3500 (1 to 3)

Service Learning in Elementary Education

Integrates practical classroom-based activities into the academic content of the accompanying education courses. Highlights reflection; develops the candidate's professional and pedagogical knowledge, skills, and dispositions; and fosters a commitment to the teaching profession.

Prerequisite: C- in any WC&IL II course, and Advisor approval required.

ED 3600 (3)

Foundations of Special Education

An overview of the different categories of exceptionalty, special education law, identification and placement procedures, current delivery systems, and basic philosophies and strategies relating to special education practice in an inclusion environment.

Prerequisite: C- in any WC&IL II course, Admission to the B.Ed. in Elementary Education Program or consent.

ED 4510 (3)

Elementary Clinical Experience Seminar

This course is a capstone course for the Elementary Education major that provides an opportunity to examine the complexities of curriculum planning, teaching, classroom management, assessment, and synthesis of the clinical practice experience. Emphasizes reflective practice by providing opportunities for teacher candidates to interact with each other, receive continuous support from their professor and mentor teacher, prepare for licensing and employment, and complete their professional portfolios. **Capstone course.**

Prerequisite: Completion of all major courses for the B.Ed. degree and a passing score on the PRAXIS II Content Knowledge Test. Co-requisite: ED 4512.

ED 4511 (3-12)

Elementary Clinical Experience I

This course is a capstone clinical practice course for the Bachelor of Education in Elementary Education. Full-time, supervised clinical practice in a public or private school. Culminating experience that involves practical application of professional and pedagogical knowledge, skills, and dispositions in a school setting. Opportunities to engage in reflective practices, such as planning, implementing, and assessing curriculum initiatives and projects.

Prerequisite: Completion of all major courses for the B.Ed. degree and a passing score on the PRAXIS II Content Knowledge Test.

ED 4512 (3)

Elementary Clinical Experience II

This course is a capstone practice course for the Bachelor of Education in Elementary Education. Full-time, supervised clinical practice in a public or private school. Culminating experience that involves practical application of professional and pedagogical knowledge, skills, and dispositions in a school setting. Opportunities to engage in reflective practices, such as planning, implementing, and assessing curriculum initiatives and projects.

Prerequisite: Completion of all major courses for the B.Ed. degree and passing score on the PRAXIS II Content

Knowledge Test. Co-requisite: ED 4510.

ED 6000 (3)

The Professional Educator

An introduction to the knowledge, skills, and dispositions that characterize the profession of education. Highlights the practical, historical, philosophical, political, legal, ethical, social, and cultural aspects of teaching in the American educational system.

Prerequisite: Graduate standing.

ED 6100 (3)

Child and Adolescent Development for Educators

Provides an overview of the major concepts, principles, theories, and research related to development of children and adolescents so that teacher candidates can construct learning opportunities that are adapted to diverse learners and support individual students' development, acquisition of knowledge, and motivation.

Prerequisite: Graduate standing.

ED 6200 (3)

The Scholarly Teacher

An introduction to the scholarship of teaching and learning. This course engages candidates in disciplined reflection about teaching and learning. Candidates conduct classroom-based research to study the problems or issues in education, apply research results to practice, communicate results, and engage in self-reflection and peer review.

Prerequisite: Graduate standing.

ED 6300 (3)

The Reflective Practitioner

An introduction to general principles of reflective teaching. Focuses on the recursive process of planning, implementing, assessing, and refining teaching practices; developing teaching strategies and materials; and evaluating student learning through various assessments.

Prerequisite: Graduate standing.

ED 6310 (3)

Culturally-Responsive Education in Hawai'i

This course utilizes culturally-responsive principles of teaching and learning, expert guest speakers from the Hawaiian community, guided reflection, critical discourse, and the practical application of the *Nā Honua Mauli Ola* Hawaiian Cultural Pathways for Healthy and Responsive Learning Environments to the design of a culture-based unit plan. Participants in this course experience the land, history, culture and language of Hawai'i to develop pedagogical practices that support the learning and well-being of Hawai'i's children.

Prerequisite: Graduate standing.

ED 6401 (3)

Elementary Curriculum I

An introduction to teaching strategies that facilitate effective learning experiences in elementary arts, language arts, reading, and social studies classes. Major areas of focus include curriculum theory and practice, instructional design, classroom management, and assessment techniques.

Prerequisite: Graduate standing.

ED 6402 (3)

Elementary Curriculum II

An introduction to teaching strategies that facilitate and effective learning experience in elementary mathematics and science classes. Major areas of focus include curriculum theory and practice, instructional design, classroom and lab management, and assessment techniques.

Prerequisite: Graduate standing.

ED 6420 (3)

English Curriculum and Instruction

An introduction to teaching strategies that facilitate an effective learning experience in English classes. Major areas of focus include curriculum theory and practice, instructional design, classroom and lab management, and assessment techniques.

Prerequisite: Graduate standing.

ED 6430 (3)

The English Language Learner

An introduction to teaching strategies that facilitate an effective learning experience for English Language Learners. Major areas of focus include curriculum theory and practice, instructional design, classroom and lab management, and assessment techniques.

Prerequisite: Graduate standing.

ED 6440 (3)

Math Curriculum and Instruction

An introduction to teaching strategies that facilitate an effective learning experience in mathematics classes. Major areas of focus include curriculum theory and practice, instructional design, classroom and lab management, and assessment techniques.

Prerequisite: Graduate standing.

ED 6450 (3)

Science Curriculum and Instruction

An introduction to teaching strategies that facilitate an effective learning experience in science classes. Major areas of focus include curriculum theory and practice, instructional design, classroom and lab management, and assessment techniques.

Prerequisite: Graduate standing.

ED 6460 (3)

Social Studies Curriculum and Instruction

An introduction to teaching strategies that facilitate an effective learning experience in social studies classes. Major areas of focus include curriculum theory and practice, instructional design, classroom and lab management, and assessment techniques.

Prerequisite: Graduate standing.

ED 6470 (3)

World Languages Curriculum and Instruction

An introduction to teaching strategies that facilitate an effective learning experience in world languages classes. Major areas of focus include curriculum theory and practice, instructional design, classroom and lab management, and assessment techniques.

Prerequisite: Graduate standing.

ED 6510 (3)

Elementary Clinical Practice Seminar

Provides an opportunity to examine the complexities of curriculum planning, teaching, classroom management, assessment, and synthesis of the elementary clinical practice experience. Emphasizes reflective practice by providing opportunities for teacher candidates to interact with each other, receive continuous support from their professor and mentor teacher, prepare for licensing and employment, and complete their professional portfolios.

Prerequisite: Successful completion of all required core courses. Passing score on the PRAXIS II Content Knowledge Test. Co-requisite: ED 6512.

ED 6511 (3-9)

Elementary Clinical Practice I

Full-time, supervised clinical practice experience in a public

or private elementary school. Culminating experience that involves practical application of professional and pedagogical knowledge, skills, and dispositions in a school setting. Opportunities to engage in reflective practices, such as planning, implementing, and assessing curriculum initiatives and projects.

Prerequisite: Successful completion of all required core, field, and specialized courses. Passing score on the PRAXIS II Content Knowledge Test.

ED 6512 (6)

Elementary Clinical Practice II

Full-time, supervised clinical practice experience in a public or private elementary school. Culminating experience that involves practical application of professional and pedagogical knowledge, skills, and dispositions in a school setting. Opportunities to engage in reflective practices, such as planning, implementing, and assessing curriculum initiatives and projects.

Prerequisite: Successful completion of all required core courses. Passing score on the PRAXIS II Content Knowledge Test. Co-requisite: ED 6510.

ED 6520 (3)

Secondary Clinical Practice Seminar

Provides an opportunity to examine the complexities of curriculum planning, teaching, classroom management, assessment, and synthesis of the secondary clinical practice experience. Emphasizes reflective practice by providing opportunities for teacher candidates to interact with each other, receive continuous support from their professor and mentor teacher, prepare for licensing and employment, and complete their professional portfolios.

Prerequisite: Successful completion of all required core courses. Passing score on the PRAXIS II Content Knowledge Test. Co-requisite: ED 6522.

ED 6521 (3-9)

Secondary Clinical Practice I

Full-time, supervised clinical practice experience in a public or private secondary school. Culminating experience that involves practical application of professional and pedagogical knowledge, skills, and dispositions in a school setting. Opportunities to engage in reflective practices, such as planning, implementing, and assessing curriculum initiatives and projects.

Prerequisite: Successful completion of all required core courses. Passing score on the PRAXIS II Content Knowledge Test.

ED 6522 (6)

Secondary Clinical Practice II

Full-time, supervised clinical practice experience in a public or private secondary school. Culminating experience that involves practical application of professional and pedagogical knowledge, skills, and dispositions in a school setting. Opportunities to engage in reflective practices, such as planning, implementing, and assessing curriculum initiatives and projects.

Prerequisite: Successful completion of all required core courses. Passing score on the PRAXIS II Content Knowledge Test. Co-requisite: ED 6520.

ED 6605 (3)

Practical Research in Education

An introduction to research methods and their application to real-world problems. Candidates study problems in education and learn research skills leading to a research proposal to address a problem.

ED 6615 (3)

Contemporary Issues in Education

This course examines current and emerging issues and trends

impacting education. Inquiring into demographic shifts; globalization; technology, data-based decision-making; inclusion of diverse learners in American schools; and recent research on student achievement when influenced by race, gender, and poverty.

ED 6620 (3)

Educational Assessment

Focuses on formal and informal assessment strategies to be used by teachers of elementary and secondary students. Topics will include reliability, validity, bias, performance assessment, portfolios, affective assessment, standardized test score interpretation, and formative assessment. Particular attention will be given to practical applications of the assessment of learners within a particular classroom setting and curricular context.

ED 6630 (3)

Teacher Leadership

This course is designed to explore the field of ideas relating to leadership, human modes of communication, and personal relationships in the shaping of our social and professional relationships as educators. Teachers who work with students, parents, colleagues, community members, and board members will discover the leader within them and learn how to communicate more effectively, and persuasively, with confidence and authenticity. In an eight-week format, participants are guided through various activities including reading, viewing, reflection, and investigations to further increase their knowledge and awareness of topics related to strategies for teacher leaders within our schools.

ED 6640 (3)

Ethics in Educational Leadership: Role, Responsibility, Relationships

This course will give students the personal awareness of their decision-making and actions in the classroom, department, and school in the roles, responsibilities, and relationships they assume at each level. They will examine, explore, and express in their own words what professional ethics is as they interact with the various audiences and how they can contribute to creating a safe, caring, and professional culture in their classroom, department, and school. More specifically, students will be able to apply laws, policies, procedures, and practices that are related to ethics in their school district through case studies.

ED 6650 (3)

Self-Management in Education

This course addresses School-Based Management (SBM) as a way of promoting decentralization of decision-making authority to positively impact educational quality in schools. Course content and methodology emphasize small group activities, collaboration, and use of data to encourage self-management and maximize school performance improvements.

ED 6660 (3)

Diversity and Social Change

This course addresses methods for positively impacting social and cultural diversity and equity issues including the possible effects of culture, race stereotyping, family, socioeconomic status, gender, sexual identity, language, and values on student development and progress in the school setting. Course content and methodology emphasize small group activities, collaboration, and use of data to create equity for all students, with a focus on eliminating the achievement gap.

ED 6670 (3)

Technology in Education

This course provides students with a broad practical understanding of how to integrate emerging technologies into

elementary and secondary classrooms. Students will take a constructivist approach to understanding education technology as articulated in the National Educational Technology Standards for Teachers and become skilled in some of the many digital tools used in today's schools. In addition, students will be expected to address issues surrounding how to assist learners to be media literate, how to integrate media skills into classroom, and how to use media to enhance active learner-centered activity.

ED 6680 (3)

Budget Analysis and Planning for Schools

Reform movements are continuously redefining effective practice in school administration and initiatives such as state deregulation, district decentralization, school restructuring, and other organizational modifications and transformations. This course is designed for practicing and aspiring public and private school administrators who want to enhance their instructional, technical, and managerial skills which will provide the student with an understanding of the essential yet distinctly connected accountability systems—academic and fiscal.

ED 6690 (3)

School Law

The historical and contemporary legal issues affecting the organization and administration of schools in America today are essential subjects for its public and private K–12 teachers. This course is about applying concrete, specific legal knowledge to the real issues and challenges teachers face every day in the classroom and in and around the school. Topics include: recent rulings on religion in public schools; social media, Facebook and Twitter challenges; charter schools; legal aspects of teachers and administrators' evaluation; teacher performance and misconduct; 504 Rehabilitation plans; the McKinney-Vento Homeless Act; violence and tragedy in U.S. schools; procedures for evaluating and responding to threats, natural disasters and school safety; and proposed changes to No Child Left Behind by the White House.

ED 6695 (3)

Capstone Research

Capstone course on the scholarship of teaching and learning. This course engages candidates in disciplined reflection teaching and learning. Candidates conduct classroom-based research to study the problems or issues in education, apply research results to practice, communicate results, and engage in self-reflection and peer review.
Prerequisite: ED 6605.

ED 6700 (3)

The Exceptional Learner

This course provides an overview of the different categories of exceptionality with regard to students with special needs. Candidates will also be introduced to special education law, identification and placement procedures, current delivery systems, and basic philosophies and strategies relating to special education practice in an inclusion environment.
Prerequisite: Graduate standing.

ED 6950 (1 to 3)

Practicum in Education

Prerequisite: Graduate standing.

ED 6997 (1 to 3)

Directed Readings in Education Directed individualized readings. *Prerequisite: Graduate standing.*

ENG—English

- ENG 1101** (3)
Representations of Pacific Life
 This course introduces students to selected texts from some of the many cultures of Oceania and to the critical skills they will need to get the most out of these cultural productions. It focuses on an overview of Oceanic literature, emphasizing prose fiction, poetry, drama, and other genres such as journalism, film, and media.
- ENG 2000** (3)
The Art of Literature
 This course will introduce students to multiple ways of interpreting literature, selected from a variety of literary genres such as poetry, drama, fiction, and creative nonfiction. Texts to be explored will be drawn from multiple cultures and time periods. In addition to studying and applying interpretative strategies, students will have opportunities to apply literary techniques by writing a creative piece in at least one of the genres studied.
Prerequisite: Any WC&IL I course.
- ENG 2100** (3)
Reading Literature, Film, and Culture
 This course explores ways to interpret, analyze, and compose writing. Students are introduced to film and literary analysis, interpretive theories, and the study of English in history and culture. The course also explores career opportunities for writing minors, English majors and minors, and film studies minors.
Prerequisite: Any WC&IL I course, or any introductory literature course, or instructor permission.
- ENG 2500** (3)
World Literature
 This course will introduce students to influential literary texts from different cultures and historical periods. Texts studied will include works originally written in English and works translated into English from both Western and non-Western traditions. Students will study a variety of literary forms (poetry, plays, novels, etc.) and genres (monster stories, utopias, murder mysteries, etc.) and explore how these different literary productions influence our understanding of the world and our place in it.
Prerequisite: Any WC&IL I course.
- ENG 3100** (3)
British Literature to 1800
 The study of Medieval, Elizabethan, Restoration, and 18th Century British literature, beginning with *Beowulf* and ending with 18th-century writers.
Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.
- ENG 3101** (3)
Shakespeare on Screen
 Examines the history and impact of film and television adaptations of Shakespeare's plays. Special emphasis is placed on how culture, events, and narrative and cinematic traditions shape the production and reception of Shakespeare's works.
Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.
- ENG 3102** (3)
British Literature after 1800
 This course examines works in various genres—novels, plays, poetry, and essays—by British authors after 1800. The course will primarily include texts from the 19th century.
Prerequisite: Any WC&IL II course (may be taken concurrently);
- or any ENG 2000-level course; or WRI 1150; or department approval.*
- ENG 3122** (3)
American Literature
 Students will study selected American literature in several genres, with a primary emphasis on texts from the 19th century.
Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.
- ENG 3130** (3)
Topics in World Literature
 Students will study and explore issues raised by a variety of texts. Selections will include literature from both Western and non-Western traditions and will address works translated into English as well as works originally written in English.
Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.
- ENG 3135** (3)
Japanese Literature
 The course provides a solid grounding in the historical development of Japanese literature from the Yamato era up through the 21st century. Narrative forms examined may include classical forms such as the tale, diary, *monogatari*, and *zuihitsu*, and the modern form of short stories, I-novels, graphic novels, and serial phone novels. Special focus will be on the social and intellectual milieu that shaped Japanese writers and their literary works as Japan faced political and economic pressures to open itself to Western values and notions of modernity.
Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.
- ENG 3140** (3)
Biography
 An introduction to the literary genre known as biography: its nature, purpose, uses, relationship to history and to fiction, and varieties of format.
Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.
- ENG 3145** (3)
Nonfiction Film
 Students are introduced to the genres of nonfiction film—documentary, docudrama, and historical features—and to the theory, history, and ideology of fact-based film. The focus is not a given film's historical accuracy so much as the writers' and directors' strategies of representation, which profoundly affect the audience's perceptions.
Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.
- ENG 3150** (3)
Television Studies
 Television is often casually dismissed as mindless entertainment, but it is also a powerful cultural form that shapes how people see the world. This course will focus on critical "readings" of television's past and present forms as well as its influence on literature, film, music, and digital media. Students will watch influential TV shows, examine different TV genres (sitcoms, talk shows, news programming, and "reality" TV), read representative scripts and teleplays, and study the evolution

of the medium of television from its early beginnings up to its current integration with other forms of digital communication.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3202 (3)

Literature of Slavery

Though slavery was abolished after the Civil War, its legacy persists and continues to provide a compelling subject for American literary artists. This course will focus on representations of slavery and its aftermath in American literature, from antebellum slave narratives to twentieth-century novels, dramas, and films.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3206 (3)

British Comic Literature

Students will study comic British texts across literary periods, from medieval through contemporary, within theoretical frameworks of culture, class, and gender. Students will study comic theory, consider how sociocultural factors shape responses to humor, and gain a deeper understanding of British literature, culture, and the multiple dimensions of humor.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3223 (3)

Special Topics in Asian Literature

This course explores themes in selected literary texts from various regions of Asia. The particular emphasis varies. Repeatable for a total of six credits when the focus has changed.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3224 (3)

Ethnic Literature

The experience of ethnic groups in America's pluralistic society, as expressed in novels, short stories, poetry, drama, autobiography, and film. Groups studied may include Asian Americans, Black and Native Americans, Hawaiians, Hispanics, and White Ethnics.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3226 (3)

Special Topics in Hawai'i-Pacific Literature

This course thematically explores the poetry, fiction, drama, film, and other literary texts of Hawai'i and the Pacific. The particular emphasis varies. Repeatable for a total of six credits when the focus has changed.

Prerequisite: Any WC&IL II (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3227 (3)

Hawai'i and the Pacific in Film

This class offers a general introduction to popular, art, indigenous, and nonfiction films focused on Hawai'i and the Pacific. Particular emphasis is given to the shifting cultural and rhetorical contexts of films and to their social impact on the Pacific region and beyond.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3228 (3)

Fantasy Literature

This course explores how literature uses the fantastic to reflect on the human condition, question dominant cultural ideologies, and imagine the real world otherwise.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3250 (3)

Texts and Gender

This course examines the concept of gender in relation to texts. The particular emphasis varies. Students may analyze texts by writers of a particular gender or sexual orientation, representations of femininity and masculinity, or social constructions of gender in and by texts. Repeatable for a total of six credits when the focus has changed.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3251 (3)

Sex, Power, and Narrative

The course examines stories by and about women, and yet it is not a course about women. We will look at the windows through which various women have looked at life; but that life, and even those windows, are not exclusively theirs. We will find in women's stories the conventions that have become integral parts of what all of us think of as story. We will move sometimes chronologically, sometimes by theme, to see how women's story conventions have evolved, and we will be inclusive in our definition of "story." We will look at works from Japan, from Europe, from America, and from American women of several cultures. We will look at novels, short stories, and also movies and television.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3252 (3)

20th-Century American Women Writers of Color

This upper-division literature course explores identity politics shaped by class, race, gender, and sexuality within the poetry, prose fiction, drama, and biographical and critical essays by Native-American, African-American, Asian-American, Latina/Chicana, and Pacific-Islander writers. Discussion themes include power and status, erasure and marginality, and the establishment of narrative voice as counter-narrative within dominant forms of literary discourse.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3300 (3)

Theoretical Perspectives

Courses in the 3300 series explore ways theories shape interpretations in both academe and everyday life. Contemporary theories are usually emphasized, but a study of earlier, alternative, minority, indigenous, and non-Western approaches may also be included. Selected themes and foci will be reflected in each course title.

Prerequisite: Any WC&IL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3330 (3)

Film Theory and Criticism

An introduction to the critical analysis of film. Examines narrative form in movies from a variety of theoretical perspectives. The course also explores how cinematic

narratives are affected by changes in aesthetics, culture, economics, politics, and technology.

Prerequisite: Any WC&LL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 3350 (3)
Literature Adapted to Screen

A comparative study of the poetics and rhetorics of narratives captured on page and on screen. By examining written texts (prose, plays, myths, biographies, and histories) and their adaptations to the screen (or vice versa), students will learn how texts change as they are translated from one medium to another.

Prerequisite: Any WC&LL II course (may be taken concurrently); or any ENG 2000-level course; or WRI 1150; or department approval.

ENG 4100 (3)
Shakespeare Seminar

A critical study of Shakespeare, taking into account the cultural, historical, and literary context in which he wrote. Several plays are studied, along with selected critical approaches. **Capstone Course.**

Prerequisite: HUM 3900 and two upper-division ENG or WRI courses; or department approval.

ENG 4120 (3)
Seminar in Modernism

The forms and themes particular to the modernist movements through the works of selected representative writers. Innovations in narrative technique, the movement away from traditional plot, and social criticism are emphasized. **Capstone Course.**

Prerequisite: HUM 3900 and two upper-division ENG or WRI courses; or department approval.

ENG 4300 (3)
Seminar in Textual Criticism

An exploration of diverse approaches to the analysis of texts. Students will study and apply key concepts regarding significant movements in the development of literary theory. **Capstone course.**

Prerequisite: HUM 3900 and two upper-division ENG or WRI courses; or department approval.

ENG 4320 (3)
Seminar on Postcolonial Literature

The study of literature written in English by authors from countries or territories that have experienced colonization and the application of various postcolonial theories to the analysis of selected postcolonial texts. This literature often addresses situations encountered by indigenous people and their relationship to colonizing forces, how they adapt to encroaching cultures, how they will pursue their own rule after independence, and how postmodern global society affects the development of culture. **Capstone Course.**

Prerequisite: HUM 3900 and two upper-division ENG or WRI courses; or department approval.

ENG 4901 (3)
Senior Thesis I

Part one of a two-part capstone experience that requires an extensive research paper (approximately 50 pages) on a special topic in English or a substantial creative project. The student is required to spend two semesters on the project. The first semester is devoted to designing the project, conducting research, constructing a reading list or working bibliography, and making notes on the readings in consultation with the instructor. Completion of an outline and a draft of

one chapter is a typical goal by the end of the first semester. A thesis committee will be selected by the semester's end.

Capstone course.

Prerequisite: HUM 3900 and two upper-division ENG or WRI courses; or department approval.

ENG 4902 (3)
Senior Thesis II

A continuation of ENG 4901. The student undertakes writing and defense of the thesis. **Capstone course.**

Prerequisite: HUM 3900 and two upper-division ENG or WRI courses; or department approval.

ENG 4910 (1)
English Major Portfolio Capstone

In this Directed Study capstone to the English major, students compile their best work into a portfolio and reflect on their progress in the major. Students will meet individually with the Portfolio Advisor to determine the final contents of the Major Portfolio, select what they consider the best six artifacts (or more if desired), and write a reflective essay that makes connections among courses, evaluates their progress as majors, and describes their major work as a whole. **Capstone course.**

Prerequisite: HUM 3900 and two upper-division ENG or WRI courses; or department approval.

ENGB—Biomedical Engineering

ENGB 2000 (3)
Biomechanics

Model and solve problems related to human performance and loading of the musculoskeletal system during functional activities by application of static, dynamic, and hybrid approaches. Topics include: human tissue (soft and hard) modeling; loading and evaluation; force analysis in the joints and muscles; gait analysis and postural stability; task performance; and prosthetic device design, modeling, and challenges for their interaction with biological tissues. Students will apply problem-solving and critical analysis throughout the course in the range of topics toward applying a systems approach for interaction of humans with their environment.

Prerequisite: MATH 2214 and BIOL 2050.

ENGB 2004 (1)
Bioinstrumentation Laboratory

This course introduces the application of fundamental principles of bioengineering instrumentation commonly used in engineering research labs and industry. Techniques and principles of bioinstrumentation are subject to selection and may include: biosignals and noise, electronics, biomedical systems and devices, biomaterials and tissue engineering, and biosensors. The laboratory will introduce students to instrumentation for the measurement and analysis of bioengineering signals and systems.

Prerequisite: ENGE 2001 and BIOL 2051.

ENGB 3001 (3)
Bioengineering Thermodynamics

An exploration of thermodynamics applied to biological systems at the macro and cellular levels. Topics include: mass (conversion, balances), cellular function, the three laws of thermodynamics (thermal equilibrium, potential and kinetic energies; energy flow and conversion, heat transfer and work, and entropy), and thermodynamic relations. Students apply fundamental principles for problem-solving in physiological systems.

Prerequisite: BIOL 3170, CHEM 2050, and PHYS 2050.

ENGB 3002 (3)
Transport Phenomena

Covers fundamental transportation phenomena in living systems with a focus on momentum and mass transport in biological systems. Topics include: material and energy balances, kinetics, chemical and physical transport processes with applications in artificial and bioartificial organ development, controlled drug delivery systems, tissue engineering, thermodynamics, body fluids, osmosis and membrane filtration, blood flow, solute and oxygen transport, pharmacokinetic analysis, and extracorporeal devices.

Prerequisite: BIOL 3034, 3170, and CHEM 2050.

ENGB 3003 (1)
Biomedical Imaging and Computer Simulation Laboratory

An investigation into a variety of medical imaging technologies by analysis and computation of medical image datasets using Matlab as the medical image processing simulation environment. Students interact with datasets from a variety of imaging modalities and clinical applications including CT and MRI toward image analysis for decision support. Students apply a range of algorithms for image processing and analysis, with an emphasis on understanding the data representations and clinical indicators towards supporting the decision making processes, examining advantages and differences of each imaging modality using simulation software.

Prerequisite: ENGE 2003.

ENGB 3004 (3)
Biomedical Instrumentation and Device Fabrication

The course examines biomedical device design and instrumentation for treatment and diagnostics. Topics include: biomedical electronics; measurement techniques; sensors (bipotential electrodes, strain transducers, pressure and flow sensors, biochemical sensors) and transducers in signal measurement and conversion of physical (pressure), optical, thermal, and kinetic signals to electrical signals; and subsequent signal processing for decision support. Students will apply fundamental engineering principles in data acquisition and signal processing of data obtained through sensor acquisition, in a range of biomedical applications.

Prerequisite: ENGB 2000, ENGE 2003, and ENGB2000.

ENGB 3005 (3)
Engineering Design Project I

Students work in teams to work towards the construction of a working prototype by application of fundamentals in biomedical engineering to a real-world challenge or problem that involves prototype development (which can include computer simulation), such as in biomedical device fabrication, instrumentation, imaging technology, prosthetic development, or physiological system enhancement at the cellular or macro level, for treatment and/or diagnostics, toward system improvement and/or innovation. Students are expected to form the project topic, feasibility and design in this course. Students continue the same topic in ENGB 3006.

Prerequisite: ENGB 2000 and ENGE 2003.

ENGB 3006 (3)
Engineering Design Project II

Students continue their topic from ENGB 3005 by taking the design and moving into project implementation, testing, and commissioning (deployment) throughout the course. Students will finish the course with a project demonstration, and assessment submissions throughout the seminar will include reports, demonstrations of prototype (and/or computer simulation) functionality, and individual tests to determine level of competency both in technical prowess and project management strategies.

Prerequisite: ENGE 3005.

ENGB 4002 (3)

Tissue Engineering

The course introduces selected topics in tissue engineering and discusses related regulatory issues and standardization. Topics may include methods of tissue engineering in: breast reconstruction, blood vessel substitute, vascular systems, cardiac applications, bioartificial organs (liver, kidney), transplantations, and treatment options.

Prerequisites: ENGB 3005 and BIOL 3170

ENGB 4004 (3)
Biomedical Optics

This course examines optics and the optical properties of tissue. Topics include: spectroscopy (intrinsic absorption, scattering contrast, dynamic contrast, fluorescence, Raman contrast mechanisms), tomography (optical coherence, diffuse optical, photoacoustic), state-of-the-art in technology development in a variety of optical imaging modalities and algorithms, molecular imaging, molecular probe development, assistive technology and clinical practice in disease diagnosis, treatment, and prediction as well as decision support. Students will examine real patient data during discussion of imaging modalities for clinical diagnosis.

Prerequisites: ENGE 3003 and ENGB 3006.

ENGB 4005 (3)
Biomedical Signal Processing

Advanced techniques in biomedical image and signal processing for patient monitoring and diagnostics. Topics include: disease detection and classification, clustering approaches, adaptive filtering, image classification and decision support, imaging modalities (MRI, ultrasound), medical image database and retrieval, and medical image analysis (advanced algorithms, technologies, state-of-the-art modalities). Students examine real-world medical images and signals toward disease detection and classification using a variety of techniques and technologies.

Prerequisite: ENGE 3003.

ENGB 4007 (3)
Biosensors

The course focuses on the purpose, design, fabrication, operation, testing and conformance to design criteria of micro and nano sensors and associated software processes in several biomedical applications, with an emphasis on implantable devices. Topics include: sensor concepts and design criteria (power consumption, operability parameters, sensitivity, sampling, selectivity, linearity, drift, measurement, and detection limitations), sensor acquisition and processing methods, device operability and performance, sensor integration and software processing, microfabrication (silicon-based devices, organic devices), and microarrays.

Prerequisite: ENGE 3004.

ENGB 4008 (3)
Computational Biomechanics

The course introduces concepts and computational methods in biomedical engineering application, including analytical and numerical approaches to problem solving within this discipline. Concepts of mechanics and computational modeling techniques are applied both theoretically and using Matlab, for a wide variety of biomechanics problems. Topics include: kinematics, equilibrium, stress, strain, macro-level deformations, rotations, and non-linear equations for visco-elastic behavior and fibrous-type structures.

Prerequisite: ENGB 2000, ENGB 3006

ENGB 4999 (3)
Special Topics in Biomedical Engineering

Selected topics in biomedical engineering are presented throughout this seminar, at an advanced level. Topic coverage is at the discretion of the lecturer; however, these will

include state-of-the-art in biomedical engineering technologies, advanced-level theory, and its application in solving real-world challenges within the selected topic areas.

Prerequisite: ENGB 3006

ENGE—Electrical Engineering

ENGE 1000 (3) Introduction to Engineering Systems and Professional Practice

A general introduction to the field of engineering including: basics of engineering components, processes, systems and professional practices. An overview of engineering systems in a range of disciplines, including electrical, mechanical, biomedical and biotechnological, provides foundations for engineering system analysis and problem-solving, in addition to management and industry practice. The subject examines innovations in engineering, as well as application of the Engineering Code of Ethics. The seminar component will involve written and verbal presentations, with individual and team components, on topics within the wider engineering disciplines.

Prerequisite: MATH 1105 or higher, or appropriate score on placement test.

ENGE 2000 (3) Linear Circuits and Systems

Linear electrical circuits and systems, with topics including: energy storage and passive circuit elements, dependent and independent sources, circuit analysis techniques, basic operational amplifiers circuit analysis and feedback, impedance, first and second order circuits, phasors, frequency response, Bode plots, Laplace Transfer and Fourier Series, and magnetically coupled circuits. Students will apply circuit theorems to analyze networks with mixed sources, transient and steady state response of circuits, ac circuits with phasor techniques, and the frequency response of a system and will apply Laplace and Fourier methods for circuit analysis.

Prerequisite: ENGE 1000 and MATH 2215. *Co-Requsite:* ENGE 2001.

ENGE 2001 (1) Linear Circuits and Systems Laboratory

Application of basic electrical measurement to circuit elements and configurations. Students will use record-and-display instruments during analogue circuit analysis to determine their characteristics and measurements. Students will communicate their findings in laboratory notebooks and reports.

Co-requisite: ENGE 2000.

ENGE 2003 (3) Bioengineering Signals and Systems

Students undertake up to 12 weeks (3 credits) of full-time professional practice. Each 4 week block requires 200 hours of work experience to earn 1 credit. Students must be supervised by an engineer, preferably within their engineering specialization, and carry out practical work within the field of engineering. Students can either complete the 12 weeks in one block (3 credits) or break it into 2 or more blocks (such as 8 weeks on summer, 4 weeks the following summer). Students can undertake the professional practice at any time of the year but preferably in summer between junior and senior years. Students must keep a logbook of their work and submit a short report that summarizes this work, in addition to a supervisor review, upon completion of the practicum.

Prerequisites: ENGE 2000, MATH 2216, and PHYS 2050.

ENGE 2004 (3) Digital Hardware and Microcontrollers

Microcontroller design and programming is introduced. Topics include: Karnaugh maps, truth tables, Boolean

expressions and combinational logic (gates), sequential logic and machines (state tables, state diagrams, timing diagrams, clock, flip flops, registers, Mealy machine, Moore Machine), and synchronization problems. Students will apply knowledge to design and implement programs to run on a microcontroller.

Prerequisite: ENGE 2000 and CSCI 2912. *Co-requisite:* ENGE 2005.

ENGE 2005 (1) Digital Hardware and Microcontrollers Laboratory

Students will apply principles from ENGE 2004 to design and implement basic programs to run on the microcontroller, providing functions such as for mathematical manipulations and display output.

Co-requisite: ENGE 2004.

ENGE 2006 (3) Electronics

Students design electronic circuits and apply circuit analysis techniques, using operational amplifiers integrated with other circuit elements. Topics include: inverting and non-inverting operational amplifier circuit configurations and combinations (amplifiers, cascading, adders, unity gain, filters, rectifiers, comparators, clippers), A/D and D/A circuits, transistors, (discrete circuit, MOSFETs, BJTs) and diodes (zener diodes), and their integration, toward response (frequency, behavior) and equivalent circuit representations.

Prerequisite: ENGE 2000. *Co-requisite:* ENGE 2007. *Restricted to Electrical Engineering majors.*

ENGE 2007 (1) Electronics Laboratory

Electronic circuits are designed, constructed, and tested through application of circuit analysis techniques using elements: operational amplifiers (inverting and non-inverting configurations), transistors (MOSFETs, BJTs), and diodes, for reporting on circuit frequency response and behavior.

Co-requisite: ENGE 2006.

ENGE 3000 (3) Communications, Signals, and Systems

Modern communication systems, technologies, and protocols are reviewed. Topics include digital transmission using: analogue and digital base-band communication with signal encoding; line coding; pulse modulation; wired communication applications; and pass-band communication with digital modulation, band-pass filtering, band-limited channels, multiplexing, wireless applications, as well as demultiplexing and demodulation. Theory, principles, and strategies for problem-solving in communication system design will be applied to address real-world communication system challenges.

Prerequisite: ENGE 2004, MATH 2216, PHYS 2050.

Co-requisite: ENGE 3001.

ENGE 3001 (1) Communication Systems Laboratory

Signal processing techniques for signal filtering will be applied, including discrete and continuous signal representations, conversion and processing strategies, and transforms. Students will apply related principles and solve related problems in Matlab. Aspects of communication theory will be applied for digital transmission including base-band and pass-band communication techniques, for wired and wireless communication applications.

Co-requisite: ENGE 3001.

ENGE 3002 (3) Microcontroller Applications

Concepts in digital hardware are extended to more in-depth knowledge of digital computer architecture and

microcontrollers. Topics include: digital computer architecture (CPU, RAM, ROM, static and dynamic memory, I/O devices) and organization, binary expressions and coding (instructions, machine and assembly languages, addressing), use of integrated circuits for simple microprocessor design, and serial communications, in conjunction with microcontroller applications for external device control.

Prerequisite: ENGE 2004; *Co-requisite:* ENGE 3003.

ENGE 3003 (1)

Microcontroller Applications Laboratory

Students will use digital hardware to interface with a microcontroller and write programs for the microcontroller to control the hardware.

Co-requisite: ENGE 3002.

ENGE 3004 (3)

Engineering Design Project I

Students will work in teams to work towards the construction of a working prototype by application of fundamentals in electrical engineering to a real-world challenge or problem that involves software and hardware development. Students are expected to form the project topic, feasibility, and design in this course, including high and low level software, hardware, and interfacing design. Students continue the same topic in ENGE 3005 where they will implement, test, and deploy the working prototype. There is an emphasis on both technical achievement and project process management skills, amid team-based real-world project design challenges.

Prerequisite: ENGE 2004 and ENGE 2006.

ENGE 3005 (3)

Engineering Design Project II

Students continue their topic from ENGE 3004 by taking the design and moving into project implementation, testing, and commissioning (deployment) throughout the course. Students will finish the course with a project demonstration, and assessment submissions throughout the seminar will include reports, demonstrations of selected hardware and software functionality, and individual tests to determine level of competency both in technical prowess and project management strategies.

Prerequisite: ENGE 3000 and ENGE 3004.

ENGE 3006 (3)

Electromagnetics

An introduction to the fundamentals of electromagnetics. Topics include: application of Maxwell's equations, electromagnetic waves, radiation and diffraction, optical fiber links and components, microwave communications and radar, wireless communications, antennas, polarization, phase matching, sensors, forces, power and energy, wave guidance, resonance, propagation, electromechanics and electrodynamics systems, power generation and transmission, circuit concepts, and coupling.

Prerequisite: ENGE 2003 or ENGE 3000.

ENGE 3007 (3)

Control Systems

Control system modeling and design provides a systems-based approach to analyze the behavior and stability of a system and enhance system performance through application of controller design methods. Topics include: mathematical modeling of physical systems (state space representations), block diagrams, transfer function derivations and manipulations, Laplace transform and frequency domain analysis, steady state and transient response analysis in the time domain, root locus methods, frequency response analysis (Nyquist theorem, bode diagrams), lead and lag compensators, and controller design: P, PI, PID.

Prerequisite: ENGE 3000 and MATH 3305; *Co-requisite:* ENGE 3008.

ENGE 3008 (1)

Control Systems Laboratory

Students will design and implement various types of controllers for DC motor control. Applied techniques will result in motor transfer function derivation, time and frequency response analysis, and bode diagram representation and review, toward the design and implementation of P, PI and PID controllers given specified system performance criteria.

Co-requisite: ENGE 3007.

ENGE 4007 (3)

Robotics and Automation

Students learn how to design robotic systems for applications in automation and heavy industry, including techniques of mathematical modeling, design, control and sensor integration. Topics include: robotics in automations and industrial applications, mathematical modeling and trajectory planning of robotic arm movement, industrial robotics control systems, and sensor integration (ultrasonic, pressure, infrared, heat) for automation and industrial purposes.

Prerequisite: ENGE 3007.

ENGE 4008 (1)

Intelligent Control

State-of-the-art methods in intelligent control are explored, with focus on fuzzy logic controllers, neural networks, adaptive control techniques, and hybrid models. Students examine and produce a variety of control strategies, including derivation of membership functions, network construction, and system testing for a variety of applications, considering both function and design success criteria.

Prerequisite: ENGE 3007.

ENGE 4009 (3)

Image Processing

An in-depth study and application of image processing algorithms. Topics include methods related to: image co-registration, pre-processing, region of interest detection, segmentation, feature extraction, classification, decision support systems, supervised and unsupervised methods. Several filtering techniques are examined in the course. Students will work with image datasets throughout the course using Matlab image processing toolbox functions, in addition to modifying existing functions, toward improved algorithm performance. Students will discriminate selection of method based on changes in the dataset as well as different performance criteria.

Prerequisite: ENGE 2003.

ENGE 4010 (3)

Power Systems Analysis and Design

Fundamentals of power systems: their analysis, design and simulation. Topics include introduction to power systems, phasors, single-phase and three-phase circuits, complex power calculations, network equations, balanced circuits, transformers (ideal, equivalent circuits, three-phase connections and phase shift, two- and three- winding transformers), transmission line parameters (resistance, design criteria, inductance, impedances, capacitance), transient and steady-state operation for transmission lines, power flow, fault analysis, symmetrical components, system protection and controls, stability, power sources, and power distribution.

Prerequisite: ENGE 3006 and 3007.

ENGE 4500 (3)

Research I

Throughout the seminar series students will learn how to construct an annotated bibliography and literature review in a topic area of their choice, with approval from their supervisor.

Students will learn the art of argumentation, including research article review and writing strategies such as supporting claims and defining qualifications, in addition to academic writing standards, style, and format of an annotated bibliography and literature review. Students produce an annotated bibliography, literature review, and final thesis proposal, achieving and demonstrating competencies in research methods.

Prerequisite: ENGE 3004, or ENGST 3000, or ENGB 3005 and consent of a supervisory approved by the Engineering Program Coordinator.

ENGE 4600 (3) **Research II**

Students undertake a thesis topic under the guidance of an approved supervisor. The approved topic must have plausible research scope, and the student must address the embedded research challenges, offering significant contribution to the research area. Students will submit reports throughout the course to both the supervisor and course administrator in addition to the review committee and will make presentations. Submissions during the semester will include system design and some level of implementation (hardware and/or software).

Prerequisite: ENGE 4500 and consent of a supervisor approved by the Engineering Program Coordinator.

ENGE 4700 (3) **Research III**

Students continue their approved thesis topic from ENGE 4600 with a focus on implementation, testing, and final documentation. Submissions will include hardware and/or software developed by the student to address the research challenges of the topic, with a final thesis document detailing the stages of the work, including any associated technical drawings, algorithms, and code. The document must conform to academic style of writing, including appropriate citation and referencing, and must be the original work of the student. Students submit their work to their supervisor, course coordinator, and review committee throughout the semester.

Prerequisite: ENGE 4600 and consent of a supervisor approved by the Engineering Program Coordinator.

ENGE 4998 (3) **Special Topics in Sensor Technologies**

An examination of state-of-the-art sensor technologies in a range of applications, such as in aerospace, shipping manufacturing, medical, healthcare, and environmental. Large sensor devices in heavy industry are examined, as are micro and nano sensor technologies that are under development in the medical and healthcare sectors. Sensor operation and integration to microcontrollers for purposes of data processing and transmission are evaluated. Students consider a range of sensors and their integration for the purposes of satisfying design criteria, with consideration of processing (algorithm and coding) requirements.

Prerequisites: ENGE 2006 and 3000.

ENGE 4999 (3) **Special Topics in Electrical Engineering**

State-of-the-art in electrical engineering current practice and research is investigated. Topics may include: renewable energy source design and construction, advances in data communications, advances in nanotechnology and electronics, smart devices, advances in systems control such as in building solutions and exploration (aerospace, space), and latest techniques in multimedia signal processing. Topics may change and are at the discretion of the course administrator.

Prerequisite: ENGE 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008.

ENGR—Engineering

ENGR 2600 (3) **Engineering Statics**

This course introduces the basics of engineering mechanics through the analysis of forces acting on particles and rigid bodies in static equilibrium. Statics is fundamental to civil and mechanical engineering, and has applications in many other areas of engineering. Subject covered: equivalent systems of forces, moments and resultants; analysis of trusses, frames, and machines; centroids, moments of inertia; and friction.

Prerequisites: C or better in MATH 2214, PHYS 2050.
Recommended: MATH 2215, PHYS 2052.

ENGR 3600 (3) **Engineering Dynamics**

This course is the second in a two-class sequence of engineering statics and dynamics. Engineering Dynamics deals with the dynamic motion of particles and rigid bodies. Subjects covered: kinematics, force and acceleration, impulse momentum, work and energy, kinetics of 2-D rigid bodies, and vibrations. This course will also introduce students to the fundamental canons of the practice of engineering: public welfare responsibilities, areas of competence, public vs. employer responsibilities, and lawfulness of duties.

Prerequisite: C or better in ENGR 2600, MATH 2215, and MATH 2216. *Recommended:* PHYS 2052 (may be taken concurrently).

ENGR 4995 (1-3) **Engineering Professional Practice**

Students undertake up to 12 weeks (3 credits) of full-time professional practice. Each 4 week block requires 200 hours of work experience to earn 1 credit. Students must be supervised by an engineer, preferably within their engineering specialization and carry out practical work within the field of engineering. Students can either complete the 12 weeks in one block (3 credits), or break it into 2 or more blocks (such as 8 weeks on summer, 4 weeks the following summer). Students can undertake the professional practice at any time of the year but preferably in summer between junior and senior years. Students must keep a logbook of their work and submit a short report that summarizes this work, in addition to a supervisor review, upon completion of the practicum.

ENGT—Biotechnology Engineering

ENGT 2001 (3) **Biomaterials**

An introduction to common biomaterials used in biological and medical systems, in a range of applications. Topics include: biomaterials (metals, polymers, ceramics, and composites), properties (physical attributes and surface properties), biocompatibility (biomaterial interaction with cells and tissues), selection criteria and testing, and biodegradation.

Prerequisite: CHEM 2050, ENVS 2000, and BIOL 2050.

ENGT 2002 (3) **Bioprocesses**

An introduction to biotechnology and an examination of various bioprocesses: from cell culture and downstream process development to scale-up and manufacturing processes. Topics include: DNA, proteins, immunology, microbial biotechnology, plant biotechnology, animal biotechnology, marine biotechnology, genomics, medical biotechnology, regulations, engineering calculations and material balances, energy balances, fluid flow and mixing, heat and mass transfer, and reactions and reactors. Students examine concepts in biotechnology and bioprocess engineering, applying engineering principles to solve related problems.

Prerequisite: BIOL 2050, CHEM 2050, and ENVS 2000.

ENGT 3000 (3)

Engineering Design Project I

Students work in teams for the design of a working prototype or systems-based practical solution by application of fundamentals in biotechnology engineering to a real-world challenge or problem, with focus in bioprocess or bioenvironmental engineering. Students are expected to design a prototype that addresses a real-world challenge within either specialization, such as waste management; biomass or biofuel reuse; improvement of water, air or soil quality; food contamination, improving food processing technologies, or innovating in manufacturing process-based systems.

Prerequisite: ENGT 2001, ENGT 2002 ENGE 2000, and ENGE 2003.

ENGT 3001 (3)

Engineering Design Project II

Students continue their topic from ENGT 3000 by taking the design and moving into project implementation, testing, and commissioning (deployment) throughout the course. Students will finish the course with a project demonstration, and assessment submissions throughout the seminar will include reports, demonstrations of prototype (and/or sub-system) functionality, and individual tests to determine level of competency both in technical prowess and project management strategies.

Prerequisite: ENGT 3000 and ENGT 3002.

ENGT 3002 (3)

Analytical Biotechnology for Engineers

This course applies engineering fundamentals to biotechnology fields in the areas of medicine, agriculture, and the environment such as in genomics, immunology, fermentation monitoring, chromatography, instrumental analysis, biosensors, and bioanalysis. State-of-the-art equipment and analytical tools are examined as applied within this area.

Prerequisite: ENGT 2001 and ENGT 2002.

ENGT 4002 (3)

Biomufacturing

An introduction to manufacturing processes, with examination of biomufacturing processes and biofabrication, as well as the related state-of-the-art engineering technologies. Topics include: living (cells, tissues) and non-living (bio-supportive proteins, scaffolds) components for product development, biofabrication techniques (cell printing, patterning, assembling, 3D scaffold fabrication, cell- and tissue-on-chips for micro- and nano-fabrication), and biomufacturing processes (pharmaceutical production by plant cell culture, agricultural cultivation for medicinal purposes, industrial fermentations, fuzzy control and neural networks in production).

Prerequisite: ENGT 3001.

ENGT 4004 (3)

Soil Ecology

Explores the fundamentals of soil ecology. Topics include: overview, formation and profile of soil development, fitness of the soil environment, primary production processes and effect on ecosystem, secondary production processes (decomposition, microbial activities, measures of biomass, sterilization techniques, heterotrophic organisms, decomposition and nutrient recycling), soil food webs, soil biodiversity and linkages to soil processes (ecosystem impacts and challenges), and future developments in soil ecology. Theory and fundamentals are advanced to an in-depth understanding of soil ecology in this seminar.

Prerequisite: ENGT 2001 and 2002.

ENGT 4009 (3)

Environmental Systems Analysis for Engineers

The course provides an analysis of environmental systems through the application of engineering fundamentals. Topics include: modeling system behavior, data handling and analysis, real-world system analytics, and engineering system design. Students apply analytical strategies within the software Matlab.

Prerequisite: ENGE 2003 and ENGT 3002.

ENGT 4010 (3)

Waste Treatment and Management

Examines treatment and sustainable management of environmental waste, including industrial, agricultural and biological waste products, by application of engineering principles and practices. Topics include: waste properties (chemical, biological), waste water systems and treatment, biocomposting, pollutant monitoring techniques, methods of primary and secondary treatment of waste, bioenergy production, bioreactors, biotransformation, and biodegradation. Students will develop knowledge of more sustainable methods of biological waste treatment and management to reduce use of landfill as a disposal route and in compliance.

Prerequisite: ENGT 2001, 2002, BIOL 3170, and ENGB 3001.

ENGT 4011 (3)

Air Quality Management

This subject covers fundamental principles that govern air quality and examines management options for improving air quality, limiting emissions, and optimizing air pollutant control strategies. Topics include: air composition and quality measures, air toxins and pollutants; primary (industrial and mobile combustion processes, and control) and secondary (atmospheric transport and photochemical pollutant formation in ambient air, ozone depletion, global warming), health impacts (acute, chronic), air quality assessment and conformance requirements to standards, and legislation, environmental and industrial hygiene.

Prerequisite: ENGT 2001, 2002, and ENGB 3001.

ENGT 4012 (3)

Land Treatment Systems

Examines systems, sub-components, and biocomposition of land treatment of waste. Topics include: soil hydraulics, vegetation selection, site selection, onsite investigations, preapplication treatment and storage, and transmission and distribution of waste water. Students will examine natural systems for treatment of waste water, reuse of biosolids, and strategies for vegetation and site selection toward land treatment and management systems, with focus on municipal and industrial wastes.

Prerequisite: ENGT 2001, 2002, and ENGB 3001.

ENGT 4013 (3)

Food Processing and Packaging Systems

Principles and applications of food processing, handling, and packaging systems, with evaluation of associated technologies. Topics include: overview of food processing and sub-system operations, thermophysical properties in food processing and packaging (optical, mechanical, and physical properties of thermoplastic polymers), microbial aspects in food processing, food preservation and processing strategies and technologies, sustainability in food processing, food packaging requirements of major food groups, closures and sealing systems, and assistive technologies (including robotics) in optimization of food packaging systems.

Prerequisite: ENGT 2001, 2002, and ENGB 3001.

ENGT 4013 (3)

Special Topics in Biotechnology Engineering

Selected topics in biotechnology engineering are presented throughout this seminar, at an advanced level. Topic coverage is at the discretion of the lecturer; however, these will include state-of-the-art in biotechnology engineering technologies, advanced-level theory, and its application in solving real-world challenges within the selected topic areas.

Prerequisite: ENGT 3001.

ENVS—Environmental Science/Studies

ENVS 1000 (3)

The Sustainability Challenge

What is sustainability and what challenges are we facing now and in the future? What is my impact and what can I do about it? In the course, students will learn about the “three-legged stool” (economic, environmental, and social) of sustainability and how to use systems thinking to better understand the complex natural and human systems we rely upon for food, water, energy, business, etc. Students will “take the sustainability challenge” and measure their own current impacts and compare them to their impacts after taking actions to be more sustainable. The collective results will then be used to propose action plans to inspire others on campus and in the broader community to do the same.

ENVS 1020 (3)

Introductory Meteorology

A survey of the physical and chemical principles of atmospheric science applied to elementary descriptions and interpretations of atmospheric phenomena.

ENVS 1030 (3)

Tropical Ecology and Sustainability

This is a field-based course looking at tropical environmental systems and sustainability through a field trip to one of the Hawaiian Islands or Costa Rica. The field trip provides an overview of natural history and the science of tropical ecosystems, human history and culture, and sustainability through experiential and place-based learning. There are pre- and post-field trip activities in addition to the field trip.

Repeatable up to 12 credits.

ENVS 1040 (3)

Introduction to Fresh Water Systems

A survey of the biology, chemistry, physics, and geology of fresh water systems such as lakes, wetlands, and rivers.

Prerequisite: Any 1000-level BIOL course, BIOL 2030, or 2050; CHEM 1000 or 1020.

ENVS 1500 (3)

Natural Disasters

The Earth experiences natural disasters as a result of volcanic eruptions, earthquakes, landslides, flooding, storms, drought, and wildfires. These events dramatically impact humanity and the environment. Increasing population and poor land use practices compound the effects of natural disasters. This course is designed for undergraduate students of any major who are interested in understanding natural disasters and how we can minimize the dangers and damages of these events. We will review case histories of recent and historical events, focusing on how forecasting, prediction, warning systems, education, and planning can reduce human vulnerability to natural disasters.

ENVS 2000 (3)

Principles of Environmental Science

An introduction to the analysis of environmental problems from a scientific perspective using fundamental principles from the biological and physical sciences.

ENVS 2001 (1)

Principles of Environmental Science Laboratory

Laboratory and field component of ENVS 2000.

ENVS 3000 (3)

Sustainability and the Environment

Sustainability offers a rich framework for addressing complex human-environment interactions within our society; environmental science provides a basis for inquiry into how those interactions shape and are shaped by ecosystems. This course uses both to examine the nexus between human innovation and consequent ecological impacts (both negative and positive) as related to current and often controversial environmental and social issues. The goal of the course is to provide students with not only an understanding of the basic science behind the issues but also an ability to think across disciplines to assess how these issues might be addressed sustainably.

Prerequisite: Any WC&IL II course.

ENVS 3002 (3)

Applications of Environmental Science

The course emphasizes the use of the scientific method and the results of scientific study to explore and understand issues of environmental concern. The major objective is the presentation of the human inhabited biosphere as a system amenable to study and scientific understanding.

Prerequisite: ENVS 2000; or [BIOL 1000 or 1500] and [CHEM 1020, GEOL 1000, or MARS 1000]; or BIOL 2052, and CHEM 2052.

ENVS 3003 (1)

Applications of Environmental Science Laboratory

Laboratory and field component of ENVS 3002.

Prerequisite: ENVS 2001.

ENVS 3010 (3)

Environmental Impact Analysis

Methods of assessing and predicting physical, chemical, biological, social, and economic impacts on the environment resulting from human activities. The course includes preparation and review of environmental impact reports.

Prerequisite: ENVS 2000.

ENVS 3020 (3)

The Environmental Policy Process

Students will examine the environmental-policy-making process from different points of view, whether as an environmental scientist or citizen activist, at different government levels (city, state, or federal) and across different media (air, water, and waste). Students will gain a practical understanding of existing environmental policies as well as the process by which new environmental policies are proposed, designed, implemented, and evaluated. An understanding of the process helps students to identify opportunities to advocate for environmental change.

Prerequisite: ENVS 2000 or 3000.

ENVS 3030 (3)

Earth Systems and Global Change

Natural and human-induced variability and change in the earth environment on a global scale. Interactions among lithosphere, atmosphere, hydrosphere, ecosphere, and the human dimension of global change.

Prerequisite: ENVS 2000.

ENVS 3200 (3)

Photovoltaic Systems Design

This course introduces the fundamental principles of solar energy and photovoltaic systems design. It includes the design of a safe, code-compliant photovoltaic system and preparation of permit-quality technical drawings. The course provides the skills suitable for a supervised, entry-

level position in the photovoltaic industry, as specified by the North American Board of Certified Energy Practitioners (NABCEP).

Prerequisite: ENVS 2000, MATH 1115, or MATH 1130.

ENVS 3990 (1 to 3)
Nonpaid Internship

ENVS 3991 (1 to 3)
Paid Internship

ENVS 4000 (3)

Methods of Environmental Science

This course will present advanced analytical technologies current in real world applications of environmental science. Computer-driven data analysis, modeling, and presentation technology have become vital to the understanding and reporting of problems and issues that constitute today's applications of environmental science. This course will present specific applications in a hands-on approach.

Prerequisite: ENVS 3002.

ENVS 4001 (1)

Methods of Environmental Science Laboratory

Laboratory component of ENVS 4000.

Prerequisite: ENVS 3002.

ENVS 4030 (3)

Applied Geographic Information Systems

The availability of digital geographic information has resulted in a need for professionals in many disciplines to use these data to benefit humanity and nature. This course will provide a practical, hands-on approach to spatial data analysis using Geographical Information Systems (GIS) as applied to the natural sciences or your field of study. The project-based nature of the course will encourage undergraduate students to identify and analyze a spatial problem of their choice.

Prerequisite: Senior or graduate status or permission of the instructor.

ENVS 4040 (3)

Sustainable Building Science

This course examines the fundamentals of integrated building design, including the history, science, and technology of green building. Emphasis is placed on the Leadership in Energy and Environmental Design (LEED) rating system, and this course helps prepare students to obtain one of the U.S. Green Building Council's credentials (LEED Green Associate or LEED Accredited Professional).

Prerequisite: ENVS 3000.

ENVS 4050 (3)

Remote Sensing

The physics and techniques of remote sensing presented through an exploration of physical characteristics of terrestrial and marine environments.

Prerequisite: ENVS 2000; MATH 3306; PHYS 2052; any WC&IL II course.

ENVS 4100 (3)

Society and Environment: Contemporary Issues Seminar

A critical analysis of contemporary environmental issues that face society. The course includes formal seminars, informal group discussions, and a comprehensive review paper. **Capstone course.**

Prerequisite: ENVS 3002.

ENVS 4200 (3)

Business and Environment: Contemporary Issues

Seminar

A critical analysis of contemporary environmental management issues. The course includes formal seminars, informal group discussions, and a comprehensive review paper.

Prerequisite: ENVS 3002. Senior standing.

ENVS 4300 (3)

Advanced Photovoltaic Systems Design

This is an advanced course in photovoltaic systems design for people considering a career in the solar electric industry. The detailed design of stand-alone and utility-interactive photovoltaic systems is covered with emphasis on compliance with the National Electric Code. Both residential and small commercial/institutional systems are covered (up to 30 kW). This course is based, in part, on the knowledge typically required of industry practitioners as specified by the North American Board of Certified Energy Practitioners (NABCEP) and can help in preparation for the NBCEP PV installer certification exam.

Prerequisite: ENVS 3200 or MATH 2214.

ENVS 4400 (3)

Environmental Science Seminar

A critical analysis of recent environmental scientific literature. The course includes formal seminars, informal group discussions, a comprehensive review article, and a research project proposal.

Prerequisite: ENVS 3002.

ENVS 4600 (3)

Environmental Science Research

The execution of the research project proposed in ENVS 4400. The course includes oral status reports, a final written report, a final formal seminar, and a poster presentation of research project results.

Prerequisite: ENVS 4400.

ENVS 4950 (1 to 3)

Environmental Studies Practicum

Senior practicum opportunity in environmental studies.

Prerequisite: ENVS 3002.

ENVS 6010 (3)

Global Climate Change

This course discusses the history of the Earth's climate from its formation to the present time. Focus will be placed on natural mechanisms that cause large-scale, global climate change, from the long-term to the abrupt, and how anthropogenic climate change fits into this context.

Prerequisite: Graduate standing.

ENVS 6020 (3)

Advanced Photovoltaic Systems Design

This is an advanced course in photovoltaic systems design for people considering a career in the solar electric industry. The detailed design of stand-alone and utility-interactive photovoltaic systems is covered with emphasis on compliance with the National Electric Code. Both residential and small commercial/institutional systems are covered (up to 30kW). This course is based, in part, on the knowledge typically required of industry practitioners as specified by the North American Board of Certified Energy Practitioners (NABCEP) and can help in preparation for the NBCEP PV installer certification exam.

Prerequisite: ENVS 3200 or MATH 2441. Graduate standing.

ENVS 6030 (3)

Sustainable Energy Systems

This course examines energy systems, including resource estimation, environmental effects, and economics. The current mix of energy sources and technologies is examined

along with sustainable options, with an emphasis on quantitative analysis based on scientific principles (thermodynamics and kinetics). Sustainable energy options examined include nuclear energy, biofuels, hydropower, ocean, geothermal, wind, and solar energy.

Prerequisite: Graduate standing.

ENVS 6040 (3)

Sustainable Building Science

This course examines the fundamentals of integrated building design, including the history, science, and technology of green building. Emphasis is placed on the Leadership in Energy and Environmental Design (LEED) rating system and this course helps prepare students for obtaining one of the U.S. Green Building Council's credentials (LEED Green Associate or LEED Accredited Professional).

Prerequisite: Graduate standing.

ENVS 6050 (3)

Watershed and Wetland Systems

An integrated view of ecological systems. An introduction to concepts in geomorphology, hydrology, biogeochemistry, primary production, carbon cycling, and abiotic and biotic controls on nutrient cycling. Emphasis on research investigating the effects of natural and anthropogenic stressors on ecological resources at multiple spatial and temporal scales, development of indicators of watershed/wetland condition, and comparative values of ecological systems.

Prerequisite: Graduate standing.

ENVS 6060 (3)

Geographical Information Systems 2: Spatial Analysis

GIS is about getting answers to questions so you can make intelligent decisions. In this course you will use ArcGIS to describe the distribution of a set of features and to discern patterns and measure relationships among these features. Topics in this course include the use of raster GIS tools for natural resource modeling and environmental analysis; the raster structure and its advantages and limitations; appropriate data procedures; simple raster surface modeling and image integration; map algebra concepts using ArcGIS Spatial Analyst; proximity and dispersion modeling; cost surfaces; and many of the vector-based analytical tools and techniques available within ArcGIS.

Prerequisite: GEOG 4700 or permission of instructor. Graduate standing.

ENVS 6070 (3)

Conservation and Sustainability in the Tropics

This summer graduate course consists of a two-week travel component to a tropical ecosystem after a four-week online introduction to the issues and questions involved in understanding the impact of humans on tropical ecology and sustainability. Students will examine how human values and choices affect tropical ecosystems, conservation and sustainability so they can develop their own perspective from their experiences, culminating in a final assignment and discussion submitted after returning home.

Prerequisite: Graduate standing.

ENVS 6150 (3)

Environment, Power and Society

With the publication of *Environment, Power, and Society* in 1971, H.T. Odum changed the lives of countless individuals, altering their worldviews by starting them along a quantitative, systems-oriented path toward holistic thinking. This course will introduce the Energy Systems Language, a visual mathematics capable of representing the details and bringing into focus the complexities of any system, and through the microscope, his tool for eliminating detail and gaining an overview of the entire system. For many, the concepts in

Environment, Power, and Society are profound ideas and methods that clear away much of the mystery about integrating nature and humanity to the benefit of both.

Prerequisite: Graduate standing.

ENVS 6300 (3)

Modeling and Simulation

This course introduces concepts of analytic modeling and computer simulation to improve and assist in the understanding of and decision-making about environmental systems. Topics include: introduction of modeling and simulation concepts, review of relevant math and statistics, extensive hands-on use of computer tools, and application to a variety of environmental problems.

Prerequisite: Graduate standing or permission of instructor.

ENVS 6920 (3)

Special Topics in Environmental Science

The title, content, and prerequisites for this course will vary with instructor and need in the program. The course may be repeated when the title and content have changed.

Prerequisite: Graduate standing.

ENVS 6990 (1 to 3)

Nonpaid Internship

Prerequisite: Graduate standing.

FIN—Finance

FIN 2200 (3)

Introduction to Personal Finance

Patterns of individual and family earnings; budgeting principles, consumer credit practices, and sources; insurance, savings, investment, and home ownership guidance. The course has been designed to be practical and comprehensive. Students cannot receive credit for both this course and FIN 3200.

Prerequisite: MATH 1130 or higher.

FIN 3000 (3)

Business Finance

A survey of finance and introduction to investments. Course units include: financial analysis, forecasting, and valuation; alternative sources of financing, including analysis of debt and equity securities from the viewpoints of both the firm and the investor; and management of current, intermediate, and long-term assets.

Prerequisite: ACCT 2010; MATH 1130 or higher.

FIN 3200 (3)

Personal Finance

Patterns of individual and family earnings; budgeting principles, consumer credit practices, and sources; insurance, savings, investment, and home ownership guidance. The course has been designed to be practical and comprehensive.

Prerequisite: MATH 1130 or higher; any WC&IL II course.

FIN 3300 (3)

Investments

A fundamental course in investments. The course features: security analysis and portfolio management, analysis of financial statements, valuation of stocks and fixed-income securities, and the study of efficient diversification and risk-return management.

Prerequisite: FIN 3000.

FIN 3400 (3)

Financing in the Money and Capital Markets

A course on obtaining short-term funds and investing cash in marketable securities in the money markets; rating reviews in connection with the sale of bonds and preferred stock

through private placement, negotiated, or competitive public offering; and selling common stock through direct or rights offering. Detailed steps and complete example in selling fixed income securities and selling common stock.

Prerequisite: FIN 3000.

FIN 3500 (3)

Planning: Business Owners

A course that focuses on common business problems and planning objectives. It includes business continuation issues, buy-sell agreements, stock redemptions, planning for the disability of a business owner, and managing risk in a closely held business.

Prerequisite: FIN 3000.

FIN 3510 (3)

Insurance and Financial Planning

A course that discusses the basic concepts of risk management and insurance. It includes legal principles; different kinds of risks and insurance; and the insurance industry. It also focuses on the financial planning process that includes the time-value-of-money concepts, income tax planning issues, and the regulatory and ethical environment of financial planning.

Prerequisite: FIN 3000.

FIN 3600 (3)

Trading Derivatives

A course that covers the theory and application of futures, swaps, and options. It analyzes the valuation and risk of derivatives as well as focusing on the practical application of derivatives in debt and portfolio management.

Prerequisite: FIN 3000.

FIN 3610 (3)

Advanced Derivatives

A continuation and extension of the study of a basic course in derivatives. The theory and application of futures, swaps, and options are reviewed. It includes advanced methods for the analysis of the valuation and the risk of derivatives in debt and portfolio management.

Prerequisite: FIN 3600.

FIN 3650 (3)

Corporate Risk Management

The course will make the student familiar with the mathematical and statistical concepts and methods of modern risk management, covering all modern types of risk (market risk, credit risk, and operational risk) and their assessment and management. The risks will be discussed on an individual as well as on a portfolio level.

Prerequisite: FIN 3000.

FIN 3700 (3)

Real Estate Finance

A basic course in real estate finance, focusing on methods, processes, and caveats. Course units include: money markets, interest rates, real estate financing; case illustrations demonstrating lending policies; typical problems involved in financing real property; and evaluation of income property investment alternatives.

Prerequisite: FIN 3000.

FIN 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

FIN 3991 (1 to 3)

Paid Internship

See Internship Section.

FIN 4997 (1 to 3)

Directed Readings in Finance

Directed individualized readings.

FIN 6000 (3)

Financial Management and Strategy

The planning, acquisition, use, and management of the resources needed by a business concern. The course examines asset management, capital structure, portfolio management, and risk analysis. Investment decision theory and practice are studied, and quantitative methods for financial analysis are reviewed.

Prerequisite: ACCT 2000 and FIN 3000, or equivalents.

Graduate standing.

FIN 6100 (3)

International Finance

A seminar that includes contemporary issues in international finance. Technical financial issues of importance to international managers operating in the world arena are examined, as well as contemporary source material that focuses on current data.

Prerequisite: FIN 6000. Graduate standing.

FIN 6170 (3)

International Financial Markets

Explorations of the functions of the international financial markets. Course topics include: foreign exchange rates and their determination, international payment adjustments, currency futures, international arbitrage, and international cash management.

Prerequisite: ECON 6000. Graduate standing.

FIN 6300 (3)

Investment Analysis

An examination of topics such as: capital markets, security analysis, risk strategies, and portfolio selection from the perspective of the professional investment manager, all constituting the decision process in building and managing a portfolio. Methods of security valuation, asset appraisal, and risk analysis are also examined.

Prerequisite: ECON 6000, FIN 6000, and MS 6000.

Graduate standing.

FIN 6310 (3)

Portfolio Management

A course that affords students the opportunity to actively select and manage investment portfolios that have varying objectives. Techniques for evaluating stocks, bonds, and options are discussed and used in the selection of these portfolios. Students are challenged to understand and evaluate the complexities of a dynamic investment environment in which competition is keen and performance the goal.

Prerequisite: FIN 6300. Graduate standing.

FIN 6400 (3)

Corporate Finance

A course that presents the perspective of the chief financial officer (CFO) and deals with advanced techniques for determining the capital budget and structure, dividend policy, risk analysis, long-term financing decisions, and forecasting. Financial decision-making as an integral, practical component of the leadership and managerial functions within the firm constitutes the major unit of study in this course.

Prerequisite: FIN 6000 and MS 6000. Graduate standing.

FIN 6530 (3)

Estate Planning

A course that introduces the student to the estate planning process and includes an overview of federal estate and gift taxes, wills, trusts, and powers of attorney. The student also learns various planning techniques to minimize federal estate

and gift taxes and avoid the probate system.

Prerequisite: FIN 6000*. (* must have a grade of C or higher). Graduate standing.

FIN 6600 (3)

Trading Derivatives

A course that covers the theory and application of futures, swaps, and options. It analyzes the valuation and risk of derivatives as well as focuses on the practical application of derivatives in debt and portfolio management.

Prerequisite: FIN 6000*. (* must have a grade of C or higher). Graduate standing.

FIN 6610 (3)

Advanced Derivatives

A continuation and extension of the study of a basic course in derivatives. The theory and application of futures, swaps, and options are reviewed. It includes advanced methods for the analysis of the valuation and the risk of derivatives as well as focusing on the practical application of derivatives in debt and portfolio management.

Prerequisite: FIN 3600 or FIN 6600*. (* must have a grade of C or higher). Graduate standing.

FIN 6990 (1 to 3)

Nonpaid Internship

See Internship Section.

Prerequisite: Graduate standing.

FIN 6991 (1 to 3)

Paid Internship

See Internship Section.

Prerequisite: Graduate standing.

FIN 6997 (1 to 3)

Directed Readings in Finance

Directed individualized readings. Repeatable for credit.

Prerequisite: Graduate standing.

FR—French

FR 1100 (4)

Beginning French I

An introduction to written and spoken French. This is the first semester of a two-semester sequence.

FR 1200 (4)

Beginning French II

An introduction to written and spoken French. This is the second semester of a two-semester sequence.

Prerequisite: FR 1100.

FR 2100 (4)

Intermediate French I

Conversation, reading, grammar, and introduction to French culture. This is the first semester of a two-semester sequence.

Prerequisite: FR 1200.

FR 2200 (4)

Intermediate French II

Conversation, reading, grammar, and introduction to French culture. This is the second semester of a two-semester sequence.

Prerequisite: FR 2100.

GEOG—Geography

GEOG 1000

Introduction to Physical Geography

A non-laboratory introduction and survey of Earth's natural environment, including earth-sun relationships, weather and climate, landforms, soils, and vegetation. The effects of these physical elements on human activity are also stressed. The course presents both global and regional perspectives.

GEOG 1500 (3)

World Regional Geography

This course studies the geography of the world's major culture regions. Emphasis is placed on the geographic foundations and cultural characteristics, changes, and divisions that provide insight and understanding to current world events and issues.

GEOG 2000 (3)

Visualizing Human Geography

GEOG 2000 introduces students to critical thinking from a human geography perspective. Students engage this perspective through innovative assignments using Google Earth and other media, as well as through a final project that emphasizes a multi-methodology approach to the study of urban place. This class is intended to introduce students to a uniquely geographic way of understanding the world and, more importantly, it is intended to serve as a foundation for all future studies and professional endeavors.

Prerequisite: Any WC&LL I course.

GEOG 2500 (3)

Maps and Civilization

A study of how maps reflect the politics, economics, culture, and aesthetics of both Eastern and Western societies throughout history. How maps are used to communicate or distort information is also explored. Other topics include map reading, cartographic conventions and techniques, map types and uses, maps as art, and automated mapping techniques.

Prerequisite: Any WC&LL I course.

GEOG 3200 (3)

Geography of Hawai'i and the Pacific

An introduction to the human and physical geography of Oceania. Class readings, discussions, presentations, and writing assignments will illustrate the complex socio-geographic aspects of this region. Special attention is given to Hawai'i, emphasizing its unique physical geography and its contemporary and historical links to the Pacific.

Prerequisite: Any WC&LL II course.

GEOG 3310 (3)

Geography of Japan

A course that begins with the physical and cultural foundations of Japan, including the origin of the Japanese islands, climate, and natural hazards and how various historic periods are visible on the Japanese cultural landscape today. Other topics include populations, agriculture, industry, urbanization, recreation, minority groups, and Japanese concepts of living space.

Prerequisite: Any introductory social science course.

GEOG 3600 (3)

Geography of Travel and Tourism

An exploration of the major themes, concepts, and contemporary issues focused on in tourism geography. The major areas of focus involve defining tourism and its relationship to geographic inquiry, an overview of tourism from a world regional perspective, and more specifically the impact of tourism in Hawai'i and Oceania.

Prerequisite: Any WC&LL II course.

GEOG 3700 (3)

Sustainable Cities

The course explores urban sustainability from an historical, social, and environmental perspective. It examines the development of cities from their ancient beginnings to the early part of the 21st century. With that foundation, students will gain an in-depth knowledge of challenges and opportunities facing urban centers around the world and be able to identify solutions for developing sustainable cities of the future.

GEOG 3720 (3)

Population Dynamics

This course begins with historical growth, current trends, and future projections of global population distributions and their resource needs. The course then moves to its core emphasis on the major components of human population change, namely fertility, mortality, and migration. Special attention is given to the role of population structure as a predictor of political instability.

Prerequisite: Any introductory social science course.

GEOG 3730 (3)

Economic Geography

An analysis of human economic activities in relation to resources, spatial dimensions of economic systems, social and environmental consequences of location decisions, and alternative use of resources.

Prerequisite: ECON 2010 or 2015; GEOG 2000 or 2600.

GEOG 3750 (3)

Military Geography

Military operations are inherently geographic in nature, so this course studies the impact of physical and human geography on the conduct and outcome of such operations. In addition to specific war-fighting cases from history, the course covers geopolitics and the geographic aspects of peacekeeping, terrorism, disaster management, humanitarian assistance, recruiting, and training.

Prerequisite: GEOG 1000; any introductory social science course.

GEOG 4700 (3)

Geographic Information Systems

A course that provides students with the fundamental concepts underlying geographic information systems (GIS). The nature and analytical use of spatial information are discussed. During the laboratories, students acquire skills in utilizing the popular software package ArcView GIS. Laboratories provide hands-on experience with ArcView GIS.

Prerequisite: GEOG 1000 or 2000.

GEOL—Geology

GEOL 1000 (3)

The Dynamic Earth

An introductory survey of the geology of the earth. Topics include geologic time and earth history, internal earth processes (plate tectonics, volcanoes, earthquakes), and surface processes (streams, coasts, climate).

GEOL 2000 (3 or 4)

Physical Geology: The Science of Earth

A comprehensive introduction to the fundamentals of geology for students intending to major in the natural sciences. Topics include formation and evolution of the earth as well as a broad range of surface and internal geological processes

Prerequisite: CHEM 2052.

GEOL 3010 (3)

Volcanoes: Effects on Humanity and the Environment

This course explores the different types of volcanoes on

Earth. Case studies of historical and prehistoric eruptions will examine the effects of volcanic eruptions on humanity and the environment. Planning and prediction of volcanic eruptions will be investigated. There will be a field trip to the Island of Hawai'i to observe recent and active volcanic activity.

Prerequisite: GEOG 2000; may be taken concurrently.

GEOL 3020 (3)

Hydrogeology

Quantitative treatment of the freshwater components of the hydrologic cycle including stream flow, ground water flow, and water quality.

Prerequisite CHEM 2050; MATH 2214; GEOL 2000 is recommended.

GEOL 3030 (3)

The History of Life and the Earth

This course explores the history of life and of planet Earth recorded in the rocks and fossils from the ocean and continents. We will investigate topics such as early Earth; the earliest life forms, emergence and diversification of life forms through geologic time, continental drift, geomagnetic reversals, paleoenvironments, the study of fossils, mass extinctions, dinosaurs, and the evolution of mammals.

Prerequisite: GEOG 2000; may be taken concurrently.

GEOL 3040 (3)

Geochemistry

A chemical view of the composition of the earth and its component parts, including the present distribution of chemical species and their movement over time.

Prerequisite: A grade of C- or higher in any WC&IL II course; GEOG 2000.

GEOL 3950 (3)

Geology Practicum

Geology practicum.

GEOL 4010 (3)

Contaminant Hydrogeology

This course examines theoretical and practical considerations of the fate and transport of contaminants through porous geologic materials. Topics include physical and chemical processes governing the transport of contaminants in groundwater, multiphase flow, chemistry of organic and inorganic contaminants, microbial degradation of contaminants, monitoring and mediation site characterization, remediation technologies, application of hydrogeologic and geochemical theory and practice to the protection of aquifers from contaminations, and quantitative aspects (computer modeling of contaminant transport).

Prerequisite: CHEM 2050, 2051, 2052, 2053, and GEOL 3020.

GEOL 4950 (3)

Geology Practicum

Geology Practicum.

GEOL 6010 (3)

Contaminant Hydrogeology

This course examines theoretical and practical considerations of the fate and transport of contaminants through porous geologic materials. Topics include physical and chemical processes governing the transport of contaminants in groundwater, multiphase flow, chemistry and microbial degradation of organic and inorganic contaminants, monitoring and remediation site characterizations, remediation technologies, and application of hydrogeologic and geochemical theory and practice to the protection of

aquifers using quantitative methods and computer modeling.
Prerequisite: CHEM 2050, 2051, 2052, 2053, and GEOL 3020.

GLSD—Global Leadership and Sustainable Development

GLSD 6000 (3)

Sustainable Human Systems

Students will learn to think systematically through the study of the systemic structure and values underlying the modern world view. Alternative, emerging world views focused on sustainable structures will be emphasized. Systems thinking and a systems perspective will be developed through the study of environmental, cultural, and social systems. A critical perspective is emphasized throughout the course.

Prerequisite: Graduate standing.

GLSD 6001 (3)

Seminar in Environmental Governance

Increasingly, citizens, civil society institutions, and international governmental organizations are playing crucial roles in environmental and natural resource management. This shift of power away from states, both “upward” to the international level and “downward” to citizens, begs several questions: What roles should the various actors play in these multi-level governance systems in order to ensure the most favorable, and most just, environmental and social outcomes? To what extent can they work together to achieve mutual, or at least mutually-compatible, goals? Is it necessary, even productive, for groups to maintain their own identities and distinct agendas, nurturing not a stifling consensus but a perpetual—yet respectful—debate? This seminar course will engage with these questions.

Prerequisite: Graduate standing.

GLSD 6002 (3)

Sustainable Community Development

Sustainable Community Development provides students with the knowledge, skills, and concepts for enabling communities to self-organize for sustainable development. Students will learn to lead community development initiatives aimed to empower communities to develop themselves sustainably. They will also learn to assess and compile actionable knowledge and use that knowledge to design interventions that lead to sustainable community practices through collaborative relationships with community members.

Prerequisite: Graduate standing.

GLSD 6005 (3)

Research Methods for Environmental and Social Policy Formation

Students will learn to conduct and evaluate environmental and social science research design, data quality, quality of reasoning, judgments in interpretation of evidence, and alternative interpretations of environmental and sustainability research. Emphasis will be placed on the design and generation of evidence acquired by interview, focus group, field research, and other approaches as used in environmental science and sustainability research. Small research teams will design and conduct a multi-faceted pilot study on some contested environmental or social issue related to sustainability using one or multiples of the following: survey research, action research, environmental impact assessments, environmental audits, case studies, in-depth interviews, focus groups, sustainability audits, organization environmental assessments, and campus sustainability audits.

Prerequisite: Graduate standing.

GLSD 6330 (3)

Industrial Ecology and Sustainability

Industrial Ecology and Sustainability is the systematic study of the global, regional, and local material and energy flows of industrial production systems as they interact with the environment and human communities. Ecological science concepts are used to redesign the primary features of the modern production system, including: energy consumption, renewable and non-renewable materials consumption, pollutant effluents, cost externalization, and solid waste generation. Analytical tools covered are: life cycle assessment, materials flow analyses, waste flow analyses, environmental performance metrics, and design for environment tools.

Prerequisite: Graduate standing.

GLSD 6340 (3)

An Environmental History of the Modern World

This course examines the impact of human activities on the environmental world that have occurred since the 15th century, with a focus on the 20th and 21st centuries. Historical, institutional, and cultural forces are studied to gain a contextual understanding of contemporary environmental issues. Implicit assumptions about the natural world imbedded in economic, religious, and cultural models will be identified and explored in terms of their environmental implications.

Prerequisite: Graduate standing.

GLSD 6350 (3)

Global Markets in Transition

An examination of the forces promoting globalization and the development of business in evolving markets. The course focuses on related contemporary managerial issues. Included is the study of market transformations in cases of regional economic integration. Technology transfer and patterns of business development are also introduced. Additionally, price mechanisms for regulating international exchange, and comparative costs studies related to the geometry of location are investigated.

Prerequisite: Graduate standing.

GLSD 6360 (3)

Sustainability Strategies and Indicators

Institutions and organizations are increasingly faced with the challenge of embedding sustainability into their strategies and then assessing the success of those strategies using relevant sustainability performance indicators and metrics. Students will learn strategic planning techniques, including futuring, visioning, forecasting, and backcasting. Sustainability indicators and metrics will be studied to assess each type of strategy. Emphasis is placed on the monitoring and reporting on the trends and interaction associated with sustainable strategies.

GLSD 6500 (3)

Ecological Economics and Sustainable Development

Ecological economics is a relatively new, trans-disciplinary field that studies the interdependency between the human economy and natural ecosystems. Its premise holds that the economy is a subset of the larger and finite ecosystem that sustains it, such that the unlimited economic growth desired in traditional neoclassical economics is physically impossible. This course will closely examine the emerging field of ecological economics, compare and contrast it with the neoclassical economic model, and relate the underlying principles to current environmental issues, all within the context of the goals of sustainable development.

Prerequisite: Graduate standing.

GLSD 6920 (3)

Special Topics in Global Leadership and Sustainable Development

The title, content and prerequisites for this course will vary with instructor and need in the MAGLSD program. The course may be repeated when the title and content have changed.

Prerequisite: Graduate standing.

GLSD 6950 (1 to 4)
Globalization, Environment, and Sustainability Development Practicum

The GLSD 6950 Practicum offers students the opportunity to integrate the theoretical knowledge of sustainability, environmental policy/science, or sustainable development with practical experience in either a research project or an organizational employment setting related to their MAGLSD studies. The practicum goal is to allow students to gain practical, first-hand experiences in sustainability, and greater awareness of career possibilities that lie before them upon graduation. A practicum may or may not receive compensation. Hosting organizations will have agreed to provide practicum students with an intellectually-challenging primary task related to their studies. In turn, each practicum experience will be designed to benefit the host institution as well.

Prerequisite: Graduate standing.

GLSD 6997 (3)
Directed Readings in Global Leadership and Sustainable Development

Directed individualized readings.

Prerequisite: Graduate standing or permission of the instructor.

GLSD 7100 (3)
GLSD Professional Paper I

Initial design and development of the major research paper for students in the MA program in Global Leadership and Sustainable Development.

Prerequisite: SOC 3100, 3200, and GLSD 6005. Graduate standing.

GLSD 7200 (3)
GLSD Professional Paper II Capstone

Follow on to the GLSD 7100 Professional Paper I to complete the professional paper. Finalize and formalize the development of the major research project for students in the MA program in Global Leadership and Sustainable Development.

Prerequisite: GLSD 7100. Graduate standing.

HAWN—Hawaiian

HAWN 1100 (4)
Beginning Hawaiian I

An introduction to written and spoken Hawaiian, as well as various aspects of traditional Hawaiian culture. This is the first semester of a two-semester sequence.

HAWN 1200 (4)
Beginning Hawaiian II

An introduction to written and spoken Hawaiian, as well as various aspects of traditional Hawaiian culture. This is the second semester of a two-semester sequence.

Prerequisite: HAWN 1100.

HAWN 2100 (4)
Intermediate Hawaiian I

Conversation, reading, writing, grammar, and traditional Hawaiian culture. This is the first semester of a two-semester sequence.

Prerequisite: HAWN 1200.

HAWN 2200 (4)
Intermediate Hawaiian II

Conversation, reading, writing, grammar, and traditional Hawaiian culture. This is the second semester of a two-semester sequence.

Prerequisite: HAWN 2100.

HIST—History

HIST 1001 (3)
Traditions and Encounters: World Cultures to 1500

This course is an interpretative survey of the development of cultures from prehistoric times to A.D. 1500. Students will analyze the characteristics of human societies, explore how human cultures have interacted with each other over time, and investigate the evolution of global exchange and the ideas, concepts, and phenomena that have connected and divided people across regional boundaries and time.

HIST 1002 (3)
Global Crossroads, 1500 to Present

This course engages students in the study of modern world history in order to achieve a more critical and integrated understanding of global societies and cultures during the past five hundred years. Students will explore developments in Africa, Asia, the Americas, and Europe; consider the interaction of the West and non-West and the eventual domination of the West after 1750; investigate the origins and outcomes of world war, revolution, and genocide in the 20th century; trace the disintegration of western empires after World War II; and ponder the global challenges of the post-Cold War era.

HIST 1401 (3)
American Stories: Themes in American History to 1877

This course provides a survey of American history while identifying and focusing upon particular themes which characterized the founding of the United States through the period of Reconstruction after the Civil War. Themes covered might include the evolution of American identity, politics and citizenship; Americans and the land; warfare and conflict in the shaping of America; inequality and dissent; or liberty and slavery. Students will explore the negotiation of values, beliefs, and cultural practices which was worked through during the early period of American history with a view to better understanding the foundations of modern, multicultural America.

HIST 1402 (3)
The American Experience, 1865 to the Present

This course is an introduction to United States history from the end of the Civil War to the present. This course will explore major themes in American history, emphasizing the people, events, and antecedents that have most influenced our world today. As part of the American Experience, we will examine topics such as the everyday lives of ordinary Americans; the rise of great cities and corporations; America's response to depression and war; the problems of a post-industrial and post-Cold War age; and the impact of modern conditions of America's traditions, values, and institutions.

HIST 1558 (3)
Living History of Hawai'i

This cross-disciplinary course focuses on aspects of the history of the Hawaiian Islands from the arrival of Captain Cook in 1778. It includes interdisciplinary perspectives from history, museum studies, and preservation studies. In addition, the course includes experiential learning in the form of, for example, historic site visits and/or service learning. Instructors may focus on different time periods such as the monarchy era, the territorial period, and from statehood to the present. Instructors may also take different approaches

including perspectives from political, social, cultural, military, or diplomatic history.

HIST 1717 (3)

Reacting to the Past

Students engage critically with major ideas and texts through a series of elaborate historical “role playing” games. This course will immerse them in moments of cultural and political crisis in a variety of cultures and time periods, such as ancient Greece, revolutionary France, and America on the eve of World War I.

HIST 2111 (3)

Introduction to Greco-Roman Civilization

A survey of European civilization from the classical Greeks until the barbarian invasions and the fall of Rome. Topics include the rise of the Greek polis, the spread of Greek culture under Alexander the Great, the history of the Roman Empire, and the establishment of Christianity.

Prerequisite: Any WC&IL I course.

HIST 2112 (3)

Medieval and Early Modern Europe

This course will explore the political, social, economic, intellectual, and religious characteristics of Europe during the Medieval and Early Modern periods. Material will emphasize how medieval and early modern beliefs (religious and secular) molded social, cultural, political, military, and economic institutions. Topics covered in the course will include, but are not limited to, Christianity and Islam; the interaction of the Christian, Muslim, and Byzantine worlds; the creation of nation states; the relationship between spiritual and secular power and culture; intellectual “recovery” in the Renaissance; and European expansionism.

Prerequisite: Any WC&IL I course.

HIST 2113 (3)

Modern Europe

An introduction to the history of modern Europe. Students examine the major intellectual, political, economic and social developments of this era, including the rise of the nation-state, the Industrial Revolution, the emergence of mass culture, and the impact of two world wars.

Prerequisite: Any WC&IL I course.

HIST 2251 (3)

Introduction to Russian Civilization

A course survey of the origins, development, and decline of the Russian Empire. Special attention is given to intellectual, religious, social, literary, and cultural history. The origin and consequences of the 1917 Russian Revolution are explored. Additional coverage is given to contemporary Russian culture.

Prerequisite: Any WC&IL I course.

HIST 2301 (3)

Introduction to Asian Civilizations

An introduction to the essential values and traditions of selected civilizations in East, Southeast, and South Asia, examining them in their indigenous contexts while exploring exchanges among them over time. The course shows how the major cultures of these regions developed; came into contact; absorbed and/or rejected elements of each other’s civilization; and produced institutions, values and ideas that give an historical identity to each. The ramifications of these encounters are also studied by looking at how earlier values and ethical concerns are manifested in recent political and other developments within Asia.

Prerequisite: Any WC&IL I course.

HIST 2311 (3)

Introduction to Chinese Civilization

An introductory exploration of the society, ideas, political institutions, economy, culture, language, literature, and other characteristic features of traditional China in a historical and contemporary context.

Prerequisite: Any WC&IL II course.

HIST 2321 (3)

Introduction to Japanese Civilization

Japanese history from its prehistoric origins to contemporary developments. Focuses on significant themes: art, political institutions, literature, and socio-economic structures.

Prerequisite: Any WC&IL II course.

HIST 2451 (3)

History of Latin America

A study of Spanish and Portuguese settlement of Latin America from the European conquest to the present. Topics include Iberian and Native American institutions, economy, social structure, politics, and cultural evolution in Latin America.

Prerequisite: Any WC&IL I course.

HIST 2630 (3)

The History of Science and Technology

This course is designed to introduce major themes in the history of science and technology since the sixteenth century. It will introduce the major trends in science since the scientific revolution. It will discuss the origins of the scientific method and explore great scientific minds and events in science. We will cover the evolution of math, biology, physics, as well as quantum theory and mechanics. In addition, we will discuss the corresponding technological advances of science applied to technology including (but not limited to) celestial mechanics, evolutionary theory, atomic power, and the personal computer.

Prerequisite: Any WC&IL I course.

HIST 2900 (3)

The Historian's Craft

This course will introduce students to reading, research, and interpretation in history. It will focus on a specific topic or theme from a comparative perspective and on the global connections and broad implications of that issue. The course will include guest lectures by history faculty.

Prerequisite: Any WC&IL I course

HIST 2999 (3)

Special Topics in History

This course addresses unique and special topics. Consequently both course content and instructor will vary. Possible topics could include, for example: the world at war; history of gender; special topics in world history; aspects of the American experience; the Asia-Pacific; or other thematic topics.

Prerequisite: Any WC&IL I course

HIST 3000 (3)

Citizenship and Border Identities in European History

As the world becomes increasingly inter-connected and inter-dependent, notions of citizenship and identity are shifting. Will national citizenship become obsolete as new regional and even global identities are created? This course seeks to provide a historical perspective for the concept of citizenship and address some of the complexities associated with establishing identities within cross-cultural environments. Specifically, the first section of the class will focus on how various European societies from ancient Greece to the twentieth century have defined citizenship. The second section of the course will be devoted to exploring border identities along the Franco-Spanish and Franco-German frontiers.

Prerequisite: Any WC&IL II course.

HIST 3070 (3)

Sex in History

This course examines the historical construction of sexuality using a comparative and global perspective. The focus will be on the relationship between gender and sexuality and how cultural beliefs about religion, race, and romantic love have shaped our attitudes towards sex.

Prerequisite: Any WC&IL II course.

HIST 3101 (3)

Greek History to Alexander

The history of the Greek world from Mycenaean times until the break-up of Alexander's empire. A variety of topics include the origins of the classical Greeks, the evolution and decline of the polis as a political and social unit, the rise of Macedonia, and the conquests of Alexander the Great. The course stresses the use of primary source materials.

Prerequisite: Any WC&IL II course.

HIST 3102 (3)

The Age of Alexander the Great

This course examines the career of Alexander the Great, 336–323 B.C.E., with due consideration to the historical conditions that created the opportunities for Alexander's conquest, as well as the aftermath of his campaigns. The reading and analysis of primary historical sources and modern interpretations will be emphasized.

Prerequisite: Any WC&IL II course.

HIST 3111 (3)

Roman Republic and Empire

The history of Rome from its foundations until the overthrow of the last emperor in the West by the Germans. A variety of topics include myths and legends of early Rome, the Roman constitution, growth and defense of the empire, life at the imperial court, Roman society, and religion. The course stresses the use of primary source materials.

Prerequisite: Any WC&IL II course.

HIST 3151 (3)

Medieval Europe

A history of European civilization from the fall of the Roman Empire until the Renaissance. Some of the themes discussed include the establishment of the Germanic kingdoms, origins of feudalism, the relationship between Church and State, the Crusades, and the creation of nation-states.

Prerequisite: Any WC&IL II course.

HIST 3170 (3)

Gender and Sexuality in the Classical World

This course explores the construction of gender identity in the Greco-Roman world. Through readings of poetry, drama, history, legal and scientific texts, ancient novels, and more, the student will examine how definitions of masculinity and femininity shaped ancient society. Artistic and archaeological evidence will also be considered.

Prerequisite: Any WC&IL II course.

HIST 3222 (3)

Europe and the Age of Revolution

The cultural and political transformation of Europe from the eighteenth century to the end of the nineteenth century. The course focuses on changes in the structure of European society and politics between 1750 and 1870 including the origins and impact of the French Revolution and Napoleon.

Prerequisite: Any WC&IL II course.

HIST 3225 (3)

The Enlightenment and the French Revolution

This course examines the relationship between ideas, culture, and politics in eighteenth-century France. Students will read works by major Enlightenment thinkers and become familiar with the events and diverse historical interpretations of the French Revolution.

Prerequisite: Any WC&IL II course.

HIST 3231 (3)

Europe: the 20th Century

A study of the crisis in European civilization from 1890 to present. The course emphasizes the outbreak and impact of World Wars I and II, the Russian Revolution, the rise of fascism in the 1930s, and the major impact of the Cold War on Europe.

Prerequisite: Any WC&IL II course.

HIST 3242 (3)

History of Spain

This course explores the history of Spain from the ancient Iberians to the post-Franco era. Although the class will examine the ancient and medieval periods, it will focus on early modern and modern Spain.

Prerequisite: Any WC&IL II course.

HIST 3252 (3)

Modern Russian History

A course designed to trace the origins of the USSR in its Tsarist past, explore the Revolutions of 1917, and examine the subsequent 70 years of Communist rule. Supplementing historical evidence with political theory, literature, and economic data, the course raises broad questions about social change.

Prerequisite: Any WC&IL II course.

HIST 3270 (3)

Gender in Medieval and Early Modern Europe

The history of women and gender roles in Western Europe from the birth of Christianity to around 1800. The course examines how women's and men's sexual and gender identities were shaped by the major historical developments of the period. Topics include family, work, religion, politics, and sexuality.

Prerequisite: Any WC&IL II course.

HIST 3302 (3)

History of Modern China

An analytical exploration of Chinese history from the mid-Qing period to the current People's Republic of China focusing on the factors that changed China over time, including the impact of foreign intervention, attempts to change traditional institutions and ideas, the forces of revolution, the rivalry between the Nationalist and Communist parties, and the emergence of China after 1949 into a major world power.

Prerequisite: Any WC&IL II course.

HIST 3322 (3)

History of Modern Japan

An in-depth analysis of Japan, from its transition from the feudal mid-Tokugawa era to its emergence as a major power in the 21st century, focusing on the impact of the West, the Meiji Restoration, Japanese imperialism in Asia and the Pacific, the drift towards World War II and its consequences, the U.S. Occupation and Japan's transformation into an economic powerhouse, and the strains produced by such growth.

Prerequisite: Any WC&IL II course.

HIST 3326 (3)

Cultural History of Japan

An historical and thematic study of Japan's traditional culture focusing on the emergence, adaptation and maturation of those aspects of its art, institutions, literature, religion, drama,

music, ideas and other cultural developments that define Japanese aesthetics.

Prerequisite: Any WC&IL II course.

HIST 3352 (3)
History of Modern South East Asia

A survey of Southeast Asian cultures, religions, institutions, and politics as experienced in Burma, Thailand, Laos, Cambodia, Vietnam, Malaysia, Indonesia, and the Philippines during the last century.

Prerequisite: Any WC&IL II course.

HIST 3362 (3)
History of India

This course offers an introduction to the history and culture of the Indian subcontinent. It will examine the roots of Indic civilization; explore its classical past; survey the rise and decline of the region's Buddhist, Hindu, and Muslim empires; study its experience of European colonialism; and trace the development of the region's modern nation states. Its special focus is the region's place in world history, from its role as the birthplace of several of the world's major religious and philosophical traditions to its current status as a major player in the process of cultural as well as economic globalization.

Prerequisite: Any WC&IL II course.

HIST 3411 (3)
U.S.: Jackson to Civil War

A class survey of the course of American history during one of its key formative periods, including the expansion of the United States up to the Civil War, the growth of sectional conflict, the slavery and abolitionist movement, the events leading up to and the course of the Civil War, and the problem of reconstructing the Union. Students will have the opportunity to read and discuss the variety of primary source materials as well as the interpretations of modern historians.

Prerequisite: Any WC&IL II course.

HIST 3414 (3)
"Untied States:" Race and Ethnicity in American History

This course examines race and ethnicity in American history from the colonial period to the present. It will contrast the historical experiences of various racial and ethnic groups and will examine how each group was treated in relationship to other groups. In particular, we will examine how the racial and ethnic diversity of the U.S. has informed debates about American identity. The course also integrates Hawaiian history into the wider history of race and ethnicity in the U.S., showcasing "local" cultural patterns as both exceptions to and exemplars of wider American and global patterns of race and ethnicity.

Prerequisite: Any WC&IL II course.

HIST 3421 (3)
Gilded Age/Progressive Era

A course that covers the new urban/industrial order at the turn of the century and examines the responses that this new landscape engendered both at home and abroad. The course is organized around the theme of conflict, including class, cultural, and political conflict. Topics include industrialization, imperialism, populism, progressivism, race relations, roaring twenties, and the onset of the Great Depression.

Prerequisite: Any WC&IL II course.

HIST 3441 (3)
U.S. History since World War II

The study of social, political, economic, and cultural forces shaping the United States from 1945 through the 1990s. Featured units include surveys of influential people, development and conflict of political and economic ideas and policies, and cultural trends.

Prerequisite: Any WC&IL II course.

HIST 3461 (3)
American Intellectual History

The major ideas and trends in thought from colonization to the present, with particular emphases on the beliefs that shape American society today.

Prerequisite: Any WC&IL II course.

HIST 3465 (3)
U.S. -Japanese Relations 1853-Present

This course studies the relationship between Japan and the United States in the modern world. It will begin with the forcible opening of Japan to the West by the United States in 1853, and it will run up to the present day. We will concentrate on each country's perception of the other and their interactions with each other sometimes called cultural relations, formal diplomatic relations, economic relations, and military relations. This course will define the fundamental nature of the relationship as one of conflict.

Prerequisite: Any WC&IL II course.

HIST 3470 (3)
Women in America

An introduction to the history of women in America from the colonial period to the present. The course traces the major turning points in the history of women as a sociological group and also analyzes how ethnicity, class, identity, and regionalism intersect with gender in creating diverse experiences for women.

Prerequisite: Any WC&IL II course.

HIST 3480 (3)
History of Leisure and Sport in America

This course examines the evolution of leisure and the role of sporting activities in the development of American culture from the colonial period to the present. The first part of the course looks at the growth of leisure time and its experiential qualities (class, gender, and ethnicity) in Early America. The second part focuses on the distinctive post-industrial construction of leisure time and the rise of modern sports in recent America. Students will examine why Americans needed these "pastimes" and how this need changed over time, accounting for the political, economic, and social significance of leisure and sports in America.

Prerequisite: Any WC&IL II course.

HIST 3501 (3)
Islam and the Middle East

The history of the Middle East and the role played by Islam in the region. Topics include: the Middle East before the coming of Islam, Mohammed and the evolution of Islam, the creation and growth of Muslim states, and the modern Middle East and its interaction with the West.

Prerequisite: Any WC&IL II course.

HIST 3551 (3)
Pacific Island History

The origins and development of the cultural attributes of the island peoples of the Pacific and their response to the impact of the West. The course employs the perspectives of history, anthropology, and the humanities.

Prerequisite: Any WC&IL II course.

HIST 3556 (3)
History of Hawai'i

A course that deals with the heritage, history, and folkways of the various groups who have come to the Hawaiian Islands, with emphasis upon local historical and cultural events. The course employs the perspectives of history, anthropology, and the humanities.

Prerequisite: Any WC&IL II course.

HIST 3559 (3)

Preservation—Hawai'i's Heritage

A course designed to investigate the theory, methods, and approaches to historic preservation in Hawai'i. Through readings, lectures by various people active in the preservation field in Hawai'i, case studies, and visits to significant historic sites, students develop a more thorough understanding of historic preservation and a deeper appreciation of ways to carry Hawai'i's past into the twenty-first century.

Prerequisite: Any WC&IL II course.

HIST 3571 (3)

The African Diaspora

The course introduces the history of the African Diaspora from the A.D. 1500 to the present. It focuses primarily on the African impact on the Americans, Europe, and the Pacific Islands. It will examine important themes associated with identity formation, imperialism, nationalism, and slavery.

Prerequisite: Any WC&IL II course.

HIST 3576 (3)

The Atlantic World in the Age of Empire

This course examines the development of the Atlantic World from the mid fifteenth through the early nineteenth centuries. We will examine how the Atlantic acted as a powerful connective force, uniting diverse peoples through economic, intellectual, cultural, and ecological systems and promoting the interchange of ideas, people, and technology. The course will take a thematic, systems approach by examining topics such as colonization, migration, slavery, mercantile capitalism, imperialism, and revolution as they manifested themselves in this Atlantic world.

Prerequisite: Any WC&IL II course.

HIST 3650 (3)

History of Oil in the Modern World

The History of Oil in the Modern World will explore the rise of oil as a strategic commodity and its influence on world politics and economic systems in the modern period, from its discovery in 1859 to its role in the strategic relationships between the Middle East and other nations today. We will study its uses and the dominance of Western oil companies in its extraction in Russia, the Middle East, Indonesia, Venezuela, Nigeria, and Libya. The role of oil in our daily lives and the global and local impacts of the use of oil will also be examined.

Prerequisite: Any WC&IL II course.

HIST 3655 (3)

Bubbles, Panics, and Depressions: A World History of Economic Crisis

This course will study the recurring economic crises in world history since 1500. The class seeks to understand the causes of economic crises within the context of the rise of mercantile capitalism from 1500 to 1800, post-mercantilist capitalism in the 19th century and early 20th century, and the rise of free market capitalism of today's world. The course will explore the ideological foundations of capitalism and the debates between Keynesianism and Neo-Classical economics to explain the origins of economic crises and their solution. Then students will study recurring crises over time and in different parts of the world.

Prerequisite: Any WC&IL II course.

HIST 3661 (3)

History of Warfare to 1500

The history of warfare from earliest times until A.D. 1500. It is not, however, merely the study of battles, weapons, and tactics, although these topics are covered. The course also examines how changes in society and technology affected the conduct of war; conversely, the impact of war on society and technology are discussed.

Prerequisite: Any WC&IL II course.

HIST 3662 (3)

War and Society Since 1500

The history of warfare from A.D. 1500 to the present. Examines how changes in society and technology have altered the conduct of war and how war affects society and technology. The primary focus is on Europe and the United States with some study of the Middle East and East Asia.

Prerequisite: Any WC&IL II course.

HIST 3666 (3)

U.S. Military History

A survey of the development of U.S. military forces to the present day, including organizational, tactical, technological, and strategic aspects, with an emphasis on operations. The Revolutionary War, the Civil War, the Spanish American War, the U.S. role in World War II (stressing the Greater East Asian War), the Korean War, and the Vietnam War are discussed.

Prerequisite: Any WC&IL II course.

HIST 3668 (3)

Military History of Hawai'i

This course examines the military history of Hawai'i from the time of the unification of the Hawaiian Kingdom to present. A "new military history" approach will be used that emphasizes institutions as well as "battle studies." The course content is organized around field study visits of significant battlefield and historical sites in Hawai'i.

Prerequisite: Any WC&IL II course.

HIST 3670 (3)

Racism, Violence, and Genocide in Modern World History

This course examines the emergence, evolution, varieties, and causes of the systematic exclusion of, and violence towards, populations defined by ethnicity, nationality, or race. Initially it examines instances of mass violence within the context of pre-20th-century European imperialism and explores contested categories of ethnicity, nationality, and race. The second half explores cases of 20th-century violence involving mass murder, "ethnic cleansing," and war crimes. The course culminates by studying the impact of 21st-century global terrorism, its effects on the nation-state and its citizens, and the role of the international community in preventing future genocide.

Prerequisite: Any WC&IL II course.

HIST 3676 (3)

U.S. Diplomatic History

A survey of U.S. diplomatic history from the American Revolution to the 1990s, emphasizing forces that have shaped America's behavior in the international arena. Themes include: landed and commercial expansion that drove the nation outward between the 1750s and 1940s; steady centralization of power at home, especially in the executive branch of government after 1890, and the role of foreign policy therein; isolationism; the singular importance of the transitional 1850 to 1914 era; and the interrelationship between U.S. social and diplomatic history.

Prerequisite: Any WC&IL II course.

HIST 3776 (3)

Modern Imperialism

This course will study the origins and development of the modern imperial idea, formal and informal, from its apex in the 19th century, to its waning, if persistent, influence in the second half of the 20th century and its contemporary manifestations.

Prerequisite: Any WC&IL II course.

HIST 3777 (3)

Hawai'i in World History

This course will examine how Hawai'i became integrated into global networks through its experience of trans-Pacific migrations; the rise and fall of the global whaling and sandalwood industries; the arrival of missionaries; the advent of colonialism; the rise and fall of its uniquely outward looking monarchy; and its engagement in global conflict and the global context in which Hawaiians formed their unique cultural values, performance art, and music admired around the world.

Prerequisite: Any WC&IL II course.

HIST 3780 (3)
Modern World Revolutions

This course examines the underlying causes and effects associated with revolutionary movements with emphasis on the twentieth century. It explores revolutionary philosophies and strategies of world leaders; analyzes how political, environmental and economic conditions spark popular uprisings; and explores the ways in which these interact with perceptions of poverty, oppression and foreign domination to inspire people to struggle for reform and seek a better way of life. The Russian, Chinese, Vietnamese, Cuban, Nicaraguan, and Islamic revolutionary movements will receive close attention.

Prerequisite: Any WC&IL II course.

HIST 3788 (3)
Food in World History

This course enables students to approach world history through an overview of food and foodways. Students will explore how world historical processes, such as famine, religious practice, national identity, social organization, imperialism, and war are expressed, influenced or illuminated by cuisine, diet, and nutrition. Students will also study how food choices and consumption patterns are affected by encounters between cultures. The impact of increasing industrialization of food production and globalization of dietary choices and patterns of food consumption will also be examined.

Prerequisite: Any WC&IL II course.

HIST 3792 (3)
Encounters and Exchanges in Modern World History

This course examines the nature, course, and impact of encounters and exchanges, cultural and economic, between civilizations and across global regions from the early modern period (c. 1500) to the present. It explores how much interaction confirms, alters, or changes the way societies see themselves as well as their view of those with whom they come into contact. The impact of trade networks; the role of intermediaries between cultures in contact; the cross-regional impact of the exchange of crops, diseases and animals; and the processes of colonialism and globalization are among those topics which will receive close attention.

Prerequisite: Any WC&IL II course

HIST 3900 (3)
Research and Writing across Time and Culture

This course provides general training in research and writing. The course is not geared to history majors alone, but rather develops broadly applicable cognitive skills of value to students in many disciplines and in any future career. Among the skills developed in this course are source identification and evaluation, generating an effective research agenda, formulating a research hypothesis, constructing a persuasive argument, and enhancing written and oral communication skills. In addition, the course explores the role and function of the historian and the value of historical approaches in a multi-disciplinary and multicultural setting.

Prerequisite: Any WC&IL II course.

HIST 3990 (1 to 3)

Nonpaid Internship
See Internship Section.

HIST 3991 (1 to 3)

Paid Internship
See Internship Section.

HIST 4661 (3)

History of Military Thought

An examination of the role of military theorists throughout history and their impact both on the military and political establishments. Some of the authors who may be considered include Suntze, Machiavelli, Clausewitz, and Jomini; and their impact on both strategy and policy is discussed.

Prerequisite: Any 3000-level history course.

HIST 4900 (3)

Seminar in History

A seminar style course that incorporates class discussions, oral presentations, and a major written research project. The focus varies depending on the instructor, but possibilities include historiography, a specific geographical region, or a chronological period. Includes discussion of methods of historical research and inquiry. **Capstone course.**

Prerequisite: Any 3000-level history course.

HIST 4901 (3)

Seminar: World History

An examination of the field of world (or global) history. It is not designed to be a comprehensive view of the human experience. Instead it looks at some of the important themes in world history (such as the cross-cultural contact, frontiers, etc.) and the approaches used in the study of world and comparative history. **Capstone course.**

Prerequisite: Any 3000-level history course.

HIST 4911 (3)

Seminar: Ancient History

An examination of selected topics in antiquity from the earliest civilizations of the ancient near east through the fall of Rome. Topics vary but may include the fall of Bronze Age civilizations, the Greek polis as a political/social institution, the rise of Rome, etc. In each case, students are acquainted with the pertinent primary source material as well as the works of modern authorities. **Capstone course.**

Prerequisite: Any 3000-level history course.

HIST 4961 (3)

Seminar: Military History

An examination of selected topics in military history; possible topics for the course may include the development of the art of war in Western Europe or the clash between western military methods and those of other regions including the Middle East and Asia. Students will read some of the latest works in military history that show the trends in the "new military history" that emphasizes institutions as well as "battle studies." **Capstone course.**

Prerequisite: Any 3000-level history course.

HIST 6011 (3)

Approaches to World History

This course provides an introduction to the most important literature, themes, theories, interpretations, concepts, and methods of world history as a field of research, teaching and scholarship.

Prerequisite: Graduate standing.

HIST 6061 (3)

Modern Imperialism

This is a graduate-level seminar on imperialism in modern

history. The course will study the origins of the imperial idea, formal and informal, its apex in the 19th century, its waning if persistent influence in the second half of the 20th century, and its contemporary manifestations. It will discuss various interpretations of the phenomenon in comparative perspective and analyze it in terms of its associated political, economic, and social relations (especially ethnic and gender issues).

Prerequisite: Graduate standing.

HIST 6062 (3)

Modern World Revolutions

This course examines the origins, course, and legacy of modern revolutionary movements with an emphasis on the twentieth century. It examines in both comparative and global perspective the role of ideology, culture, foreign intervention, religion, and gender and the patterns of leadership, recruitment, and tactics employed by these movements and their opponents. It also examines their legacies as currently interpreted by contemporary movement leaders and historians.

Prerequisite: Graduate standing.

HIST 6063 (3)

Seminar: Atlantic System

This graduate-level seminar introduces students to the concept of the Atlantic System. The course will promote understanding of the Atlantic Ocean as a connective rather than a divisive force in history. Topics of examination will include colonialism, economic structures, slavery, ecology, social construction and identity formation, and anti-systemic movements.

Prerequisite: Graduate standing.

HIST 6065 (3)

Modern Nationalism

This is a graduate-level readings course on modern nationalism covering both the breadth of the topic and delving in-depth in certain areas of it. The course will study the development of nationalism, its apex in the 19th century, and its waning influence in the second half of the 20th century. The course will begin with definitions of nationalism, national identity, and nation-building. The course will also demonstrate the significance of nationalism for modern life. Nationalism is the beating heart of the modern world, comprising what some historians have described as the most powerful form of collective identity other than the family in the modern world, and overwhelming religion as the path to modern immortality.

Prerequisite: Graduate standing.

HIST 6066 (3)

Comparative Slavery

This graduate-level seminar in Comparative Slavery will examine systems of involuntary servitude from the ancient through modern periods. The course will examine the history of slavery as a political, social, intellectual, and cultural as well as economic and racial construct thus seeking to escape the stereotypes of slavery created by the U.S. institution. Western and non-western slave systems will be studied.

Prerequisite: Graduate standing.

HIST 6067 (3)

Gender in World History

What is gender? The answer to this differs across cultures and historical time periods. In this course we will examine this question using a comparative and interdisciplinary approach. Over the past three decades, historical scholarship on women and gender has vastly increased our knowledge about women's lives and experiences and has transformed the way we think about history by challenging traditional historical interpretations and periodization and offering new theoretical tools and approaches for examining the past. In this course, we

will examine a selection of scholarly works that employ a variety of approaches to the historical study of gender and address a diversity of regions and time periods. Our focus will be on the ways that recent historians have explored the relationship between gender, race, class, ethnicity, and sexuality. Our concern will be not to gain an expertise on the specific topics these works treat but rather to look at how they contribute to our understanding of the ways in which gender has historically shaped the way people viewed and experienced the world.

Prerequisite: Graduate standing.

HIST 6101 (3)

The Ancient Mediterranean World

A reading seminar presenting the major themes and problems in the historical study of the ancient Mediterranean world. Topics include the growth and influence of Near Eastern civilization, the Greek city-states, the Hellenistic age, the Roman Republic and Empire, and the end of classical antiquity.

Prerequisite: Graduate standing.

HIST 6221 (3)

Early Modern Europe

This seminar explores some major historical problems and historiographical trends with a particular focus on developments in Europe during this period that relate to world history more generally, such as the Renaissance in Italy; the development of printing; and the consequences of discovery and conquest in the wake of 1492, which influenced developments within Europe as well as the ways in which Europeans interacted and perceived with the wider world.

Prerequisite: Graduate standing.

HIST 6231 (3)

Modern European History

This graduate seminar introduces students to recent influential literature on Modern European history. Defining moments that created Modern Europe will be examined, including: the French Revolution, nineteenth-century nation building, the Industrial Revolution, the two world wars of the twentieth century, totalitarianism, the Cold War, and post-1945 integration.

Prerequisite: Graduate standing.

HIST 6300 (3)

Seminar: Chinese History

This graduate course studies Chinese history from the perspective of world history by exploring themes central to an understanding of China itself and by connecting these themes, where possible, to global historical issues.

Prerequisite: Graduate standing.

HIST 6320 (3)

Seminar: Japanese History

This course studies Japanese history by focusing on important themes explored in specialist literature, from earliest to contemporary times. It poses questions relevant to understanding these themes and in the process presents a thorough overview of the scholarship available to answer these questions.

Prerequisite: Graduate standing.

HIST 6401 (3)

U.S. History to 1877

This graduate-level reading seminar is designed to introduce students to major topics and issues in American history from the colonial period to the end of Reconstruction. The course will focus upon familiarizing students with the narrative content of the period and with introducing them to the major historiographic trends and debates in early

American history.

Prerequisite: Graduate standing.

HIST 6402 (3)

American History since 1865

This is a graduate readings course on the second half of American history. We will study American history from 1865 to the present emphasizing important themes of race, class, gender, nationalism, Americanization, imperialism, warfare, dominance of the two party system, and the perceived decline of American civilization and its rebirth.

Prerequisite: Graduate standing.

HIST 6551 (3)

Pacific Islands History

This course has two basic goals. First, it intends to outline the historical development of the Pacific (Polynesia, Micronesia, and Melanesia) from the pre-contact period to the present. However, the focus of the class will be on the period following Western contact. The second goal of the course is to present the history of the Pacific in a global context and examine themes that extend beyond the Pacific. In particular, first contact, imperialism, westernization, nationalism, and environmental sustainability will be examined. The thematic focus will be examined on both a regional and national level.

Prerequisite: Graduate standing.

HIST 6556 (3)

Hawaiian History

This course has two basic goals. First, it intends to outline the historical development of Hawai'i from the pre-contact period to the annexation of Hawai'i to the United States. However, the focus of the class will be on the period following Western contact. The second goal of the course is to present various key historical and historiographical themes in Hawaiian history. These themes are not only particular to Hawai'i but can also be situated in a contemporary global context. In particular, first contact, cultural conflict, imperialism, westernization, racism, and nationalism will be examined.

Prerequisite: Graduate standing.

HIST 6571 (3)

Seminar: African History

This course is an introduction to African history from pre-history to the present. The course will focus on examining major issues and problems in African history and historiography. The course will also be concerned with analyzing Africa's historic relationship to the non-African world and its connection to global systems.

Prerequisite: Graduate standing.

HIST 6600 (3)

Seminar: Military History—Methods, Approaches & Historiography

A course that introduces the discipline of military history. It looks at the various methodological approaches that military historians have used to the field of military history. Included are discussions of traditional "battle studies" as well as the "new" military history, such as viewing military history in the broader context of war and society.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6601 (3)

Seminar: Theory/Practice Diplomacy

A course that links together the historical study of diplomacy in its implementation as national grand strategy. The seminar looks at some of the great diplomatic and military theorists

from ancient times through today and then analyzes how their theories were put into strategic practice.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6611 (3)

Seminar: War in the Ancient World

A course that considers the role of warfare from the age of chariot empires in the second millennium B.C. until the fall of the Roman Empire. Themes will vary but may include such topics as the warfare in the age of the Greek polis, the impact of Alexander the Great, the Roman army as an institution, etc.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6622 (3)

Seminar: The Military Revolution

A seminar that centers on a topic that has engaged historians for the past forty year, the military revolution debate which suggests a revolution in warfare that helped place Europe on to the road of world dominance. This course examines the question as to whether there was indeed a military revolution or rather an evolution.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6627 (3)

Seminar: The First World War

The purpose of this course is to provide an in-depth analysis of World War I in Europe and the world. This seminar will analyze WWI as a watershed event in the formation of modern society. We will discuss the war, diplomacy, battles, tactics, and important personalities during the period 1914–1919.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6628 (3)

Seminar: The Second World War

This graduate readings course introduces students to some of the most recent and influential literature on, as well as the major historical themes and controversies regarding, the Second World War. Topics may include: race and ideology, the Holocaust, campaign analyses, military effectiveness, strategic decision-making, operational art, and coalition war-fighting.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6631 (3)

Seminar: Ways of War in China

A seminar that considers the nature of war and the role of the military in China from earliest times until the present. Some possible topics include the tradition of military thought in China, the military in Chinese society, western military influences in China, and the study of important battles and campaigns.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a

HIST 6632 (3)

Seminar: Ways of War in Japan

A seminar that focuses on the impact of warfare and the military on Japanese history over the past one thousand years. Some of the issues covered in the course may include the development of a warrior class and martial ethic, the impact of the West on Japan's military forces, and the rise of militarism.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6641 (3)

Seminar: The American Way of War

A seminar that looks at the conduct of war in the context of the American experience. It does not focus on any particular campaign but rather looks at how American strategic thought and military doctrines have evolved over time. Some themes that are explored include the image of the citizen soldier, creation of a professional officer corps, etc.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6643 (3)

Seminar: The American Revolution

This seminar encompasses the history of the war for American independence and examines the conflict from contextual, strategic, operational, and tactical levels. By considering all perspectives on the war, the student will draw analytical conclusions based on a broad understanding of the political and military imperatives as well as contextual dynamics.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6645 (3)

Seminar: The American Civil War

A seminar that looks at one of the major conflicts of the 19th century and a forerunner of modern warfare. This course deals with the strategies and battles of the war as well as some of the salient issues that arise out of the conflict including its effects on American society and culture.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6648 (3)

Seminar: 20th Century U.S. Military History

A seminar that examines the American military experience during the last one hundred years. Topics may vary but some of the issues covered may include the American involvement in a particular war, the expansion of America's armed forces during the century, and the impact of technology on American military thinking and doctrine.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6649 (3)

Race, Sex, and War in U.S. History

This seminar will examine the intersection of race, gender, sexuality, and war throughout the history of the U.S. Students will be encouraged to consider a broad range of

topics including the contributions and minorities to the U.S. military; the impact of war upon "social progress" in the U.S.; the military as a medium of social change; the relationship between war and definitions of masculinity, femininity, and Americanism; and the gendered nature of conflict and the U.S. military itself.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6650 (3)

Oil: History, Security, and Sustainability

This course will explore the history of oil, its growth as a crucial strategic commodity, and questions about whether the current world oil system is sustainable. Students will study the dominance of Western oil companies, the struggle of nations to secure access to oil, and oil sustainability.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6658 (3)

Seminar: 20th Century Naval Warfare

A seminar that considers the evolution of naval warfare during the 20th century. Some of the topics that may be discussed include the impact of new technologies (e.g., submarines and aviation) on naval warfare, the projection of power on the sea, amphibious operations, and the analysis of particular campaigns.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6661 (3)

Seminar: European Diplomatic History

A seminar that explores the role of diplomatic relations in modern European history, in particular the 19th and 20th centuries. Some of the themes explored may include the concept of the concert of Europe, great power diplomacy and the alliance system at the turn of the century, the Grand Alliance, Cold War politics, etc.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6662 (3)

Seminar: U.S. Diplomatic History

A seminar that considers some of the key themes in the history of United States foreign relations, especially since the late 19th century. Some of the topics covered may include the development of American diplomacy in the age of imperialism, U.S. isolationism in the interwar years, and Cold War foreign relations.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6663 (3)

Seminar: East Asian Diplomatic History

A seminar that examines the history of diplomacy and foreign relations in the East Asian political arena. Topics vary but may include such issues as the Chinese tradition of tributary relationships, the role of militarism in Japanese diplomacy, and the impact of Western imperialism on Asian politics.

Prerequisite: Graduate standing. Restricted to students

pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6664 (3)
Middle Eastern Diplomatic History

This course provides students an enlarged perspective on contemporary Middle Eastern and Southwest Asian affairs. The course discusses traditional cultures but concentrates on the twentieth century. We will cover cultural, social, economic, and religious factors as appropriate. The focus of the course, however, is on politics, conflict, and conflict resolution.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6665 (3)
International History of the Cold War

This course considers problems and issues that affected different regions of the world as those problems and issues related to the Soviet-American rivalry, or the Cold War, between 1945 and 1991. Specifically, it explores the origin of the Cold War; its implications for the United States and the Soviet Union; its impact in Europe, Latin America, the Middle East, Sub-Saharan Africa, South and Central Asia, East Asia, and Southeast Asia; and the collapse of Soviet-style communism in Eastern Europe and the Soviet Union itself.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6667 (3)
Modern American Cultural Diplomacy: "A Diplomacy of Peoples"

This seminar explores the power and global influence of modern American cultural diplomacy. Students will study the diplomacy of private citizens and cross-cultural encounters to understand public perception and opinion as well as U.S. governmental projection of cultural power abroad. We will study the rise of U.S. nationalism/internationalism; the growth of U.S. power in continental expansion and the Spanish-American War; interwar citizen activism; public opinion and World War II; post-war occupations and reconstructions; the rising influence of internationalism, the UN, and human rights; as well as the impact of the Cold War, developmentalism, third world revolutions, and rapid globalization.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6670 (3)
History of Genocide

This graduate seminar introduces student to issues and themes in the history of genocide via a comparative case-study approach. It examines the phenomenon of genocide from the perspective of both perpetrators and victims, for only by truly understanding past genocide can one hope to help prevent its future occurrence.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6680 (3)
History of Military Thought

A seminar that examines the role of military theorists

throughout history and their impact both on the military and political establishments. Some of the theorists who may be considered include Sun Tze, Machiavelli, Clausewitz, Jomini, and Mahan; and their impact on both strategy and policy is discussed.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6990 (1-3)
Nonpaid Internship

See Internship section

HIST 6991 (1-3)
Paid Internship

See Internship section

HIST 6996 (3)
Special Topics in World History

This is a special topics seminar in world history. Course content will vary as set forth in an approved syllabus. Course may be repeated as contents change.

Prerequisite: Graduate standing.

HIST 6997 (1 to 3)
Directed Readings in History

Directed individualized readings

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6998 (3)
Special Topics in Diplomatic History

This is a special topics seminar in diplomatic history. Course content will vary as set forth in an approved syllabus. Course may be repeatable as contents change.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 6999 (3)
Special Topics in Military History

This is a special topics seminar in military history. Course content will vary as set forth in an approved syllabus. Course may be repeatable as contents change.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

HIST 7101 (3)
Teaching and Research Methods

This course is designed to assist you with the application of world historical literature, themes, theories, concepts, and methods in the classroom and with your research. Over the course of this semester we shall explore the impact of world history on the changing curricula, its role in addressing an increasingly diverse student population, and its interdisciplinary appeal.

Prerequisite: Graduate standing.

HIST 7201 (3)
Thesis Paper

The thesis course is the last course for the completion of the Plan A capstone and MA in World History. The student will write the thesis paper that he or she proposed in History 7101—Teaching and Research Methods.

Prerequisite: Graduate standing.

HIST 7601 (3)
Seminar: Research Methods in Diplomacy and Military Studies

A seminar that exposes students to a variety of methodologies and tools for conducting research in the field of military studies. There will also be considerable discussion on the evaluation of primary source materials as well as secondary studies used in the course of research.

Prerequisite: Graduate standing.

HIST 7602 (3)
Capstone Seminar: Writing in Diplomacy and Military Studies

A capstone seminar in which students, under the supervision of the course instructor, research and write their MA-DMS thesis on the topic and with the two faculty mentors approved in HIST 7601. **Capstone course.**

Prerequisite: Graduate standing.

HIST 7603 (1-9)
Capstone Seminar: Thesis Writing in Diplomacy and Military Studies

A continuation of the HIST 7602 capstone seminar in which students under the supervision of the course instructor research and write their MA-DMS thesis on the topic and with the two faculty mentors approved in HIST 7601. **Capstone course.**

Prerequisite: Graduate standing.

HMLD—Homeland Security

HMLD 1000 (3)
Introduction to Homeland Security

This course focuses on a comprehensive overview of homeland security and identifies the important components of homeland security. Students review the roles and responsibilities of government agencies, non-governmental organizations, and individual citizens in homeland security. The student will explore the historical events that have impacted homeland security as well as the threats to homeland security, including natural and technological disasters and intentional threats of domestic and international terrorism. Other key issues addressed are civil liberties and diversity, relationship to public safety, and private security.

HMLD 2000 (3)
Disaster Preparedness & Response

This course considers various concepts, theories, principles, programs, and requirements of emergency preparedness, governmental planning, practices, exercises, and hazard/risk assessment. An overview of the relationship of preparedness to response, emergency operations, incident command systems, and the role of the private sector will also be provided.

Prerequisite: Any WC&IL I course.

HMLD 2100 (3)
Dimensions of Terrorism

This course is designed to introduce and examine domestic as well as international terrorism and present the historical, philosophical, theoretical, cultural, psychological, religious, political, and ideological motives for terrorism. It will also briefly consider methods of dealing with terrorism.

Prerequisite: Any WC&IL I course.

HMLD 2900 (3)
Careers in Homeland Security

This course will give students an overview of the different job tasks used primarily in the field of homeland security. It will focus on the structure and development of various careers

within the field of homeland security. It also is designed to assist students in understanding the employment options available to them as well as the development of programs and policies within the workplace.

Prerequisite: Any WC&IL I course.

HMLD 6000 (3)
Homeland Security

This course provides wide-ranging coverage of the most important themes related to homeland security at the graduate level. This includes an overview of the discipline with special focus on the administrative aspect of the core elements of homeland security, such as emergency management, homeland defense, terrorism, gathering and usage of intelligence, legal implications of homeland security, risk management, consequence management, and interagency collaboration management skills. *Prerequisite: Graduate standing.*

HON—Residential Honors Program

HON 1000 (4)
Freshman Honors Seminar I: Beginning Honors

This seminar introduces students to the college, and the honors program, experience. With a focus upon developing writing proficiency and through the interdisciplinary investigation of a specific topic, the course is designed to orient students to higher-level academic work and to examine the relationship of the life of the mind to the world outside college. All honors students must take this course in the fall of their freshman year. Topics vary depending upon the instructors.

HON 1100 (4)
Freshman Honors Seminar II: Exploring Hawai'i and the Pacific

Through an interdisciplinary seminar students will deepen their understanding of Hawai'i and Pacific community and environment, experiential learning, and the transfer of theory to problem solving outside of the classroom. All honors students must take this course in the spring of their freshman year.

Prerequisite: HON 1000.

HON 2000 (4)
Sophomore Honors Seminar I

This interdisciplinary seminar is specifically targeted to develop important analytical skills through the practice of quantitative analysis and formal symbolic reasoning. Courses focus on the presentation and evaluation of evidence and argument and the understanding of the use and misuse of data. All honors students must take this course in the fall of their sophomore year.

Prerequisite: HON 1100.

HON 2100 (4)
Sophomore Honors Seminar II

Honors 2100 takes skills developed in freshman honors courses and applies them in an interdisciplinary analysis of critical and enduring issues. Students will grapple with important texts and ideas which require careful analysis and reflection. Courses are team taught by faculty from differing disciplines and topics will vary depending on the instructors. This is a companion course to HON 2200.

Prerequisite: HON 2000 or permission of Honors Advisor. Students must enroll in HON 2200 concurrently.

HON 2900 (4)
Sophomore Honors Seminar III

Honors 2200 takes skills developed in freshman honors courses and applies them in an interdisciplinary analysis of critical and enduring issues. Students will grapple with

important texts and ideas which require careful analysis and reflection. Courses are team taught by faculty from differing disciplines and topics will vary depending on the instructors. This course is taken as a companion course to 2100.

Prerequisite: HON 2000 or permission of Honors Advisor. Students must enroll in HON 2100 concurrently.

HON 3000 (3)

Junior Honors Colloquium

The key component of the Honors Program is its emphasis upon interdisciplinary knowledge. The Junior Honors Colloquium develops skills necessary to enable students to initiate, plan, and complete an interdisciplinary senior honors project. This course is the first step in a learning experience culminating in a successful interdisciplinary senior honors project and formal presentation. In the colloquium we will examine the process of producing and communicating interdisciplinary knowledge and learn how to critically evaluate both one's own and other's scholarship. The colloquium draws upon the experience of faculty and students to broaden exposure to a variety of disciplinary research methodologies.

Prerequisite: HON 2200 or permission of the Honors Program Advisor.

HON 4900 (1 to 3)

Senior Honors Project I

This course is the first of two capstone courses for students in the Honors Program, or it may supplement the students' capstone experience within the major. In conjunction with a mentor and a reader, students will develop ideas for their Senior Project and write a project proposal consistent with standards in their selected field(s) of study. This course should be taken in a semester prior to HON 4901 Senior Seminar II, either alone or in conjunction with a course in the major that requires a written proposal for the capstone project. In all cases, students defend their proposals orally.

Prerequisite: HON 3000 and permission from the Honors Program Advisor.

HON 4901 (1 to 3)

Senior Honors Project II

This course is the second of two capstone courses for student in the Honors Program, or it may supplement a student's capstone course within the major. Students conduct their planned project and write a thesis or otherwise document artifacts of a creative or other endeavor. Students present their completed work at a HPU honors symposium and defend their thesis to their mentor and reader. For projects undertaken in the major, students will typically enroll in at least 1 credit of HON 4901, working with a reader to provide guidance and assessment on the interdisciplinary aspects of the project.

Prerequisite: HON 4900 and permission from the Honors Program Advisor.

HR—Human Resources

HR 6320 (3)

Global Human Resource Management

This course examines the impact of globalization on the HR function. Cultural diversity, expatriation, and the role of transnational firms in developing economies receive special attention. Students will investigate the similarities and differences between HR techniques in national and multinational firms.

Prerequisite: Graduate standing.

HR 6400 (3)

Human Resource Management

This survey course stresses a systematic approach to human resource management and decision making. The role of HR managers is discussed, focusing specifically on the following

functional areas: strategic human resource management, workforce planning and employment, and employee and labor relations. Using discussion, independent research, and objective testing, students build their knowledge of human resource management.

Prerequisite: Graduate standing.

HR 6420 (3)

Compensation Management

This is a survey course in which students explore the contemporary issues and challenges facing compensation managers. Changes in legislation are considered, along with behavioral science theories, social and human factors, and economics. Students investigate the compensation management decision-making process and the impact of these decisions on stakeholder constituencies.

Prerequisite: HR 6400. Graduate standing.

HR 6460 (3)

Human Resource Development

This course investigates the factors that affect adult learning. Theories of motivation, human behavior, and andragogy are explored. Students will investigate mechanistic and traditional training modalities, and the circumstances under which these methodologies may be optimally employed.

Prerequisite: HR 6400 or 6320. Graduate standing.

HR 6470 (3)

Collective Bargaining and Labor Relations

This course examines the processes by which employees unionize their workplaces and provides practice in the labor negotiation process. Through case studies and simulated collective bargaining exercises, students will build their knowledge of, and skills in, labor negotiations.

Prerequisite: HR 6400 and 6420.

HR 6990 (1 to 3)

Nonpaid Internship

See Internship Section

HR 6991 (1 to 3)

Paid Internship

See Internship Section

HR 7021 (3)

Certification Seminar in Human Resources

A capstone course for graduate students enrolled in the MA/HRM program or MBA students with a human resources management concentration. All of the major areas in the HRM field are generally revisited. The course will be taught through a combination of lectures, in-class discussions, and experiential exercises that should assist the student in successfully completing the Human Resource Certification Institute (HRCI) examination level of Professional in Human Resources (PHR). NOTE: Successfully completing this course will not, in and of itself, guarantee passing the certification examination. **Capstone course.**

Prerequisite: HR 6400, 6420, 6460 and 6470.

HRD—Human Resource Development

HRD 1000 (3)

Introduction to Human Resource Development

An introduction to major components of human resource development (HRD). This course investigates the roles of HRD practitioners and develops an understanding of HRD theories, principles, and practices.

HRD 2000 (3)

Integrated Talent Management

This course will explore the key elements of effective talent management. Topics include best practices in talent acquisition, performance management, learning and development, and succession management.
Prerequisite: HRD 1000.

HRD 3100 (3)

Principles of Instructional Design

Introduction to the systematic design of instruction. The course covers various elements of instructional design (ID) process, including needs assessment, instructional problems, learner characteristics, task analysis, instructional objectives, content sequencing, instructional strategies, instructional delivery, evaluation instruments, instructional resources (media selection), formative evaluation, project management, and summative evaluation.

Prerequisite: HRD 1000.

HRD 3110 (3)

Training Methods & Delivery

This course examines the science and practice of training and development (T+D) in the workplace. Topics covered include contemporary issues and trends in T+D, effective T+D methods and delivery approaches for adults in organizations, and program evaluation. *Prerequisite: HRD 1000.*

HRD 3120 (3)

E-Learning and Learning Technologies

This course focuses on the following aspects of corporate training: e-learning, educational technologies, and aligning training to the business goals to maximize learning experience and its impact on employees' productivity.

Prerequisite: HRD 1000.

HRD 3300 (3)

Human Resource Development Project Management

This course examines project management in theory and practice and the roles and responsibilities of the project manager. It is designed to broaden your understanding of project management principles and develop skills and knowledge needed to successfully manage HRD projects. It covers the five processes of project management: initiating, planning, executing, controlling, and closing.

Prerequisite: HRD 1000.

HRD 3400 (3)

Organizational Staffing

The course will cover theory and practical applications of organizational recruitment, selection, and on-boarding used in staffing organizations ensuring alignment between human resources requirements and employees. External influences such as the labor market and legislation and regulations will also be given attention.

Prerequisite: HRD 2000 or concurrent.

HRD 4000 (3)

HRD Career Development Capstone

This capstone senior course provides students with a holistic perspective of their personal HRD experiences. As a capstone course, it brings together students' coursework, knowledge, skills, abilities, and other characteristics in order to demonstrate a broad mastery of learning across the curriculum for further career advancement. Using a career development framework, students will reflect on their experiences and skills in relation to program and personal goals. The course will also require students to evaluate their knowledge, skills, and abilities in relation to employer and professional requirements and needs.

Prerequisite: Advisor approval.

HTM—Hospitality & Tourism Management

HTM 1010 (3)

Introduction Hotel and Travel Industry

An integrated view of the evolution of the hospitality/tourism industry and its various components. The course focuses on the interdependence of hotel/resorts, tour operators, travel agencies, attractions, and transportation modes. The political, social, and economic implications of tourism are also addressed.

HTM 1010 (3)

Applied Methods in the Hotel and Travel Industry

This course focuses on the application of basic concepts and theories to help solve real business challenges facing today's tourism industry. The course covers quantitative and qualitative methods in the hotel, airline, and food and beverage sectors. Industry exposure is heavily emphasized. Goal issues and industry trends are also analyzed and evaluated.

Prerequisite: HTM 1010.

HTM 3110 (3)

Hotel and Resort Management

A study of the organizational structure and operation of hotels and their various departments. Emphasis is on management concepts and the decision-making process. The course has an international orientation, taking into account variations in human and material resources.

Prerequisite: BUS 1000 or any WC&IL I course.

HTM 3210 (3)

Food and Beverage Management

An analysis of the principal operating problems and procedures as they relate to the various types of food and beverage operations ranging from fast food to gourmet facilities. Factors to be addressed include: delivery systems, cost controls, menu planning, inventory analysis, ethnic cuisine and service, and sanitation standards.

Prerequisite: BUS 1000 or any WC&IL I course.

HTM 3220 (3)

Special Events Management

A course that focuses both on the theory and practice of management skills that a special events planner should possess. Assisted by the instructor and guest speakers, students have the opportunity to apply their knowledge in a real world situation. This course presents a systemic method of planning, organizing, monitoring, adjusting, and evaluating activities to achieve the objectives. A comprehensive business plan will be developed during the course.

Prerequisite: BUS 1000 or any WC&IL I course.

HTM 3400 (3)

Resort Planning and Design

This course focuses on the planning, design, and development of tourism resorts. The material covered includes different resort types, the history of resorts, resort markets and market analysis, feasibility analysis and financing, land use planning, product design, operations and management, and trends and outlook.

Prerequisite: HTM 1010.

HTM 3510 (3)

Travel Agency Management

A comprehensive course emphasizing the technical and administrative procedures of managing a travel agency. The course addresses procedures such as ticketing, accounting, sales promotion, creative tour packaging, and pertinent computer applications.

Prerequisite: MGMT 3100 and HTM 1010.

HTM 3535 (3)

Psychology of Tourism and Travel

Refer to PSY 3150.

Prerequisite: PSY 1000 or HTM 1010; any WC&IL II course.

HTM 3580 (3)
Cultural Values and Hotel Management

A course that addresses the impact of tourism on native cultures and communities. Case studies are used to examine the role of management, particularly the principles and techniques of hotel and resort management. An analysis of the relationship between tourism and native cultures is the main focus of this course.

Prerequisite: BUS 1000 or any WC&IL I course.

HTM 3610 (3)
Travel Industry Marketing

A course that focuses on the resources and variables available in developing a successful marketing strategy in the travel industry, i.e., market research, advertising and promotion, sales techniques, and public relations. The travel industry distribution network and the integrated marketing efforts of the various components of the hotel and travel industry are also addressed.

Prerequisite: MKTG 3000.

HTM 3645 (3)
Human Resource Management in Travel Industry Management

An overview and survey of human resource management and personnel administration. Course topics include: selection, staffing, remuneration, labor relations, and training and development of human resources in organizational environments such as business, government, and not-for-profit agencies.

Prerequisite: LAW 3000, MGMT 3100, and HTM 1010; COOP 2990, HTM 3990, or HTM 3991.

HTM 3990 (1 to 3)
Nonpaid Internship
See Internship Section.

HTM 3991 (1 to 3)
Paid Internship
See Internship Section.

HTM 4110 (3)
Hotel Rooms Management

An integrated, in-depth overview of a hotel's front office, also known as the room's division/department. Topics covered include: the organizational structure of different types and sizes of hotels; the inter/intra-relationship of hotel departments; the relationship between the rooms division and external parties; the goal of meeting customer expectations; and operational and profitability concerns.

Prerequisite: CSCI 3201 and HTM 3110; COOP 2990, HTM 3990, or HTM 3991.

HTM 4210 (3)
Advanced Food and Beverage

This advanced course covers the study of classical food and beverage and provides an investigative look into the history of food and beverage in ethnic cuisines around the world, as well as the customs and practices associated with them. Students develop an awareness of issues confronting the food professional, in particular those relating to quality food and beverage.

Prerequisite: HTM 3210; COOP 2990, HTM 3990, or HTM 3991.

HTM 4310 (3)
Passenger Transport Management

A survey of surface (rail and highway), passenger ship, and air transportation. This course covers organization, operations, and regulatory and marketing aspects. The intermodal concept is examined as well as the social, economic, and political factors that have influenced government transportation priorities.

Prerequisite: CSCI 3201 and HTM 3610; HTM 3110 or 3210; and COOP 2990, 3990, 3991, HTM 3990, or 3991.

HTM 4410 (3)
Destination Development and Marketing

A course that focuses on contrasting tourism development from a micro- and macro-prospective. This includes infrastructure analysis and the role and interaction of the public and private sectors. The role and promotional efforts of local, state, and national tourism organizations are also addressed.

Prerequisite: HTM 3110 and 3610; and COOP 2990, 3990, 3991, HTM 3990, or 3991.

HTM 4620 (3)
Travel Industry Financial Analysis and Controls

The study of hospitality industry financial statements and the uniform system of accounts used in hotel departmental operating statements. The course also emphasizes budget planning, forecasting, and other financial data used in the management decision-making process.

Prerequisite: ACCT 2010; CSCI 3201; and COOP 2990, HTM 3990, or HTM 3991.

HTM 4635 (3)
Advanced Business Law: Hotel and Travel

This course examines the legal environment of the hotel and travel industry. Focal points include: innkeeper law; tort; contract agency law; and federal, state, city, and county regulatory agencies as they relate to the travel industry. Issues relating to travel agencies, restaurants, and airlines are also covered.

Prerequisite: HTM 3110 and 3210; COOP 2990, HTM 3990, or HTM 3991.

HTM 4655 (3)
Information Systems Issues in HTM

A course that focuses on the use of information systems in the travel and hospitality industry. It explores the use of computers to facilitate both the flow and management of information in the industry. The flow and capture of information related to providing travel and hospitality services are studied and discussed. The constant changes in information systems technology and their impact on the channels of distribution are explored. This includes a study of the airline travel information networks (Sabre, Galileo, and Amadeus) and the central reservation systems (CRS) of hotel and car rental companies. This course also focuses on the interdependence and cross linking of these systems along with the emergence of the internet as another channel of information flow. In addition, the use of information from these networks at the local level (hotel, car rental, attraction, and restaurant) and the subsequent use and management of information generated as a result of customers receiving services are also discussed.

Prerequisite: CSCI 3201; HTM 3110 and 3610; and COOP 2990, 3990, 3991, HTM 3990, or 3991.

HTM 4692 (3)
Management of Customer Service Organizations

A course that provides an integrated and in-depth overview of the management concepts, elements, procedures, and results necessary for service oriented organizations. Management methods are explored with a special emphasis on identifying and understanding the culture of organizations. The focus is on culture and the changes required within the organization's

culture to posture the organization to achieve its vision, mission, and goals. A review of the cultures of service organizations, with particular emphasis on the travel and hospitality industry, is conducted to gain insights into the factors that make a service organization successful. Case studies and experiential methods are utilized to develop an appreciation for proactive service delivery systems as the means to achieving customer satisfaction and improved productivity.

Prerequisite: HTM 3110, 3610, 3645, or MGMT 3400; and COOP 2990, HTM 3990, or HTM 3991.

HTM 4997 (1 to 3)
Directed Readings in Travel Industry Management
 Directed individualized readings.

HTM 6990 (1 to 3)
Nonpaid Internship
 See Internship Section.
Prerequisite: Graduate standing.

HTM 6991 (1 to 3)
Paid Internship
 See Internship Section.
Prerequisite: Graduate standing.

HTM 6997 (1 to 3)
Directed Readings in Travel Industry Management
 Directed individualized readings. Repeatable for credit.
Prerequisite: Graduate Standing

HUM--Humanities

HUM 1000 (3)
The Human Condition
 An exploration of the human condition as expressed through the arts, literature, religion, and philosophy. Students critically reflect upon their own beliefs and values through the examination of important works from a variety of cultures and historical eras. Topics may include the meaning of freedom, the problem of evil, the concept of justice, or consideration of what makes a good life.

HUM 1270 (3)
Introduction to Gender and Women's Studies
 What is gender? Why does it matter? How has it shaped the institutions that organize our lives? This course is an introduction to the key issues, questions, and debates in the interdisciplinary field of gender and women's studies, with particular emphasis on the ways women's experiences and identities in America are shaped by race, class, ethnicity, and sexual orientation. This course is intended to serve as a foundation for upper-division courses in gender and women's studies.

HUM 3000 (3)
The Contemporary Choices
 Humanistic works presented and analyzed for their perspectives on the possibility of obtaining individual human happiness in our age of mass communication and ideology. Students choose, define, and present the major alternatives for an area of their individual choice.
Prerequisite: Any WC&IL II course.

HUM 3100 (3)
Alternative Futures
 An interdisciplinary and cross-cultural attempt to understand the human capacity for free choice, creativity, and wisdom in the transformation of society. History is studied in terms of successes, failures, obstacles, opportunities, and unrealized possibilities in taking responsibilities for the future. Special emphasis is given to global economics and interdependence

between the future of humanity and the life of the earth.

Prerequisite: Any WC&IL II course.

HUM 3601 (3)
Mythology

An introduction to the myths of ancient Greece and other cultures. The course focuses on the identification of mythic motifs and on the significance of myth in human cultures. Students will also explore modern approaches to understanding myth's relation to the psyche, society, history, art, and literature.

Prerequisite: Any WC&IL II course.

HUM 3900 (3)
Research and Writing in the Humanities

The presentation of analytical techniques for understanding humanistic works and exercises for developing advanced expository writing skills. Progressively intricate library research projects culminating in a major research paper.

Prerequisite: Any WC&IL II course.

HUM 3990 (1 to 3)
Nonpaid Internship
 See Internship Section.

HUM 3991 (1 to 3)
Paid Internship
 See Internship Section.

HUM 4500 (3)
The World Problematique

An interdisciplinary course on how the humanities (history, literature, philosophy, art, etc.) have shaped our world views and how the humanities can offer critical tools for addressing the problems facing the world today. Instructors may focus on a particular theme such as civilization, the environment, social and ethical concerns, etc.

Prerequisite: Any WC&IL II course.

HUM 4550 (3)
The Military and Social Change

A consideration of the role of the military in society and how social concerns can affect the military. Some of the issues that may be discussed include the integration of the military in terms of race and gender, the relationship between the military and the government, and ethical concerns of military personnel in dealing with prisoners of war, civilians, etc.

Prerequisite: Any WC&IL II course.

HUM 4900 (3)
Interdisciplinary Seminar and Integrative Project

A capstone honors seminar, interdisciplinary in approach, culminating in a major integrative project. The project may be either research-connected or creative. Although the course has been designed for students currently enrolled in Hawai'i Pacific's University Scholars Program, others may enroll by consent.

Prerequisite: Senior standing.

INDV--Individualized Major

INDV 3990 (1 to 6)
Nonpaid Internship

This Pass/Fail course requires a minimum of 75, 150, 200, or 400 hours (for 1, 2, 3, or 6 credits, respectively) of paid work experience in a career related field that is completed under supervised conditions. Comprehensive written reports are required be an assigned HPU faculty. Students will be required to meet for one hour weekly with faculty member assigned.

Prerequisite: Sophomore Standing or higher and at least a 2.7 GPA

INDV 3991 (1 to 6)
Paid Internship

This Pass/Fail course requires a minimum of 75, 150, 200 or 400 hours (for 1, 2, 3, or 6 credits, respectively) of nonpaid work experience in a career related field that is completed under supervised conditions. Comprehensive written reports are required by an assigned HPU faculty. Students will be required to meet for one hour weekly with faculty member assigned.

Prerequisite: Sophomore Standing or higher and at least a 2.7 GPA

INDV 4900 (3)
Individualized Major Capstone

This capstone course integrates coursework, knowledge, skills, and experiential learning to enable the students to demonstrate a broad mastery of learning resulting from the culmination of the individualized major. Unless another medium (e.g., film, photo essay, a piece of fiction, collection of poetry) is applicable, students complete a thesis paper that addresses material relevant to their individualized curriculum. In addition to the written assignment based on new or continued research, students will also produce an oral presentation of their findings that allow reflection upon and demonstration of the achievements made throughout their interdisciplinary, individualized degree plan.

Prerequisite: Terminal semester of Individualized Major

Internships

_____ 3990/6990 (1 to 3)

Nonpaid Internships

A minimum of 75, 150, or 200 hours (per 1, 2, or 3 credits respectively) of nonpaid work experience in a pre-professional, managerial, supervisory, or technical setting in a career related area under supervised conditions. Comprehensive written reports are required by an assigned HPU instructor. Internships are defined as training and can be offered in all majors. Internships are identified by the alpha for the subject area (e.g., ACCT, ECON, CSCI) followed by either the number 3990 for undergraduate level or 6990 for graduate level.

Prerequisite: At least a 2.7 GPA for undergraduate level and a 3.0 for graduate.

_____ 3991/6991 (1 to 3)

Paid Internships

A minimum of 75, 150, or 200 hours (per 1, 2, or 3 credits respectively) of paid work experience in a pre-professional, managerial, supervisory, or technical setting in a career related area under supervised conditions. Comprehensive written reports are required by an assigned HPU instructor. Internships are defined as training and can be offered in all majors. Internships are identified by the alpha for the subject area (e.g., ACCT, ECON, CSCI) followed by either the number 3991 for undergraduate level or 6991 for graduate level.

Prerequisite: At least a 2.7 GPA for undergraduate level and a 3.0 for graduate.

INTR—International Studies

INTR 1000 (3)
The International System

This course introduces students to some of the most important and recent thinking on the new international system. How should we think about this new world that is marked by the integration of globalization and the division of terrorism and genocide? Students will be introduced to

several of the major works by well-known thinkers on both previous international systems and new views of what the present and future international system will be. Possible topics explored can include global ideological conflict, the spread of liberalism, the clash of civilizations, imperial systems, the rise of Asia and the decline of the West, etc.

INTR 3000 (3)
International Relations

An examination of the international political system focusing on relating theoretical approaches for analyzing the behavior of state and non-state actors in the international system. This course explores fundamental concepts like power, anarchy, sovereignty, etc. and connects these to current topics and issues in international society including (but not limited to) international conflict and cooperation, globalization, international law and human rights, arms control and disarmament, terrorism, politics of the global commons, failed states and intervention, and the effects of ideology on international affairs.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3100 (3)
International Political Economy

An examination of the political determinants of international economic relations. Different schools of thought like realism, Marxism, and liberalism are analyzed and compared. Topics covered included the politics of international trade, problems and the structural balance of power between and among states and institutions.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3200 (3)
National and International Security

The goal of this course is to give students grounding in the field of security studies, including external strategies and internal evolution of government institutions. It will first cover the historical development of American national security followed by an examination of transnational and non-traditional security issues. Comparisons with other countries and/or regions may also be included.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3250 (3)
Peace-Building and Conflict Management

The course examines approaches to preventing and managing international conflict, including preventative diplomacy, negotiation, third-party resolution, track-two diplomacy, and evolving collective security arrangements. It analyzes the institutions, both official and nongovernmental, that engage in peacemaking, and provides detailed case studies of conflict management and dispute resolution.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3275 (3)
Global Governance

The course examines global governance in an increasingly interdependent world. This include international or transnational structures such as formal international inter-governmental organizations (UN, WHO, WTO, APEC) and international nongovernmental organizations (Oxfam, Doctors Without Borders, Human Rights Watch); international rules or laws, norms or "soft law"; and international regimes in such areas as peacekeeping, disaster management, trade, social, and humanitarian issues.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3300 (3)

International Law

This course is an examination of the nature and function of international law in international politics. The course introduces students to the principles and norms governing the contemporary community of nations, as well as questions about the role of international law in shaping international relations.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3350 (3)

International Human Rights

A course that introduces students to the development of universal human rights' norms in the international system. The seminar examines contemporary debates concerning the universal implementation of human rights; efforts to implement these at the national, regional, and international levels; and the links between human rights and democratization.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3400 (3)

International Relations of Asia

An analysis of the changing patterns of Asian international relations and the factors that determine national behaviors of Asian countries. Relations will be examined from multiple perspectives, from both security and conflict to economic interdependence, institutions, alliance, and the role of non-state actors. The course may cover all of East, Southeast and South Asia or focus on only one or two of these regions of Asia.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3500 (3)

Global Systems and Development

A critical analysis of the historical and theoretical underpinnings of development and underdevelopment (i.e., how and why development happens or fails to happen). The course examines a range of development projects and their effects and explores selected issues like famine and hunger, the environment, human rights, racial/ethnic conflict, north-south relations, and alternative approaches to development. It provides students with the theoretical and conceptual tools to analyze the global economic system, international aid and humanitarian assistance, and the broader development arena.

INTR 3900 (3)

Contemporary Nations Seminar

A seminar studying in depth a specific country (to be announced) through readings, research, and interaction with students from the target country. Topics may include political, economic, social, cultural, and other areas relevant to understanding this nation from a contemporary, interdisciplinary perspective.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

INTR 3905 (3)

Contemporary Nations: European Union

A study of the history, theory, and practice of European integration. The course provides the historical context of modern Europe to assess the powers, influence and methods of functioning of the principal institutions and political actors in the European Union. It also reviews the EU's policy interests and processes, from agriculture to industry and from social affairs to science and technology. Other topics covered include external relations, monetary union, and future EU expansion.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

INTR 3910 (3)

Contemporary Nations: France

This is an interdisciplinary course that explores a number of contemporary topics dealing with France. It will start with an overview of modern French history and the political system of the Fifth Republic. It will then examine several contemporary issues in France: republicanism and *laïcité*, social movements, immigration and citizenship, globalization and economy, culture, and foreign policy.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 1400, 2000, or 2500. Undergraduate standing.

INTR 3920 (3)

Contemporary Nations: Central and Eastern Europe

An interdisciplinary survey of Central and Eastern Europe. The countries offer a wide variation of development and change since the fall of communism. Topics explored include problems of democratic transition and consolidation, the challenges of creating market-based economic systems, and integration into the European Union and NATO.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

INTR 3930 (3)

Contemporary Nations: China

An interdisciplinary look at China in the post-Mao (post-1976) period. Readings and other educational media and activities will offer an understanding of the dramatic changes in the economy, political system, society, and public cultures of the People's Republic of China. The course also includes an investigation of some critical issues in the process of integrating Hong Kong.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

INTR 3931 (3)

Contemporary Nations: Hong Kong

The exploration of major local and international issues involved in the transfer of sovereignty from Great Britain to China. This course examines the context of Hong Kong's historical and economic role in Asia, with consideration given to post-1997 HK-PRC relationships.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

INTR 3932 (3)

Contemporary Nations: Taiwan

An in-depth study of major developments (society, politics, economy, culture, foreign relations, etc.) occurring today in Taiwan, explored in the context of the significant historical changes occurring in the post-Chiang Kai-Shek era.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

INTR 3933 (3)

Contemporary Nations: Southeast Asia

An examination of the cultural history and political economy of mainland Southeast Asia, a region that includes Burma, Cambodia, Laos, Thailand, and Vietnam. Topics include the rise and fall of ancient empires, colonialism, the Vietnam War, as well as some of the region's contemporary problems, including democratization, ethnic conflict, industrialization, and relations with world powers.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

INTR 3935 (3)

Contemporary Nations: Japan

An interdisciplinary seminar that focuses on the geographical, environmental, social, economic, and political aspects of contemporary Japan. The primary emphasis is on how Japan has changed since World War II and the problems/issues it faces in the near future.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 1400 or 2000.

INTR 3936 (3)

Contemporary Nations: Korea

An examination of the political, economic, and social systems on the Korean peninsula. The course provides an in-depth analysis of changes and continuity in these systems with a focus on the post-World War II period. It also explores U.S.-Korean relations and the challenges and prospects for a peaceful resolution to the Korean conflict.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

INTR 3940 (3)

Contemporary Nations: USA

An investigation by students of certain persistent social and political dilemmas such as race, America's reputation abroad, and social inequality. Students will look at the American culture from domestic and international perspectives. Does America deserve its reputation, good or bad, in other countries?

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 1400 or 2000.

INTR 3945 (3)

Contemporary Nations: Latin America

An interdisciplinary course that explores the geography, contemporary socio-political issues, and cultural history of Latin America. Through different case studies, it examines the interlocking relationships of economic, geographic, historical, political, and social structures in contemporary Latin America and this region's place in global affairs.

Prerequisite: Any WC&IL II course; any introductory social science course.

INTR 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

INTR 3991 (1 to 3)

Paid Internship

See Internship Section.

INTR 4110 (3)

Diaspora Cultures

This course examines several different examples of people in diaspora whether forcibly or through voluntary migration. It seeks to understand the phenomenon of groups of people who are defined and who define themselves as separate entities from some putative mainstreams, with a separate point of origin. Classic diaspora cultures to be covered include the Jewish Diaspora, the African Diaspora, and the Chinese Diaspora. More recent diasporas across the Pacific will also be included.

Prerequisite: Any introductory social science course; any WC&IL II course.

INTR 4900 (3)

Senior Seminar in International Studies

A capstone course for international studies majors that includes an in-depth survey of the major methodologies and theories in the fields of international relations and international studies. Students will be responsible for leading a discussion seminar and producing a major research paper. **Capstone course.**

Prerequisite: Senior status.

INTR 6300 (3)

International and Domestic Emergency Management

A comparative study of international and domestic emergency management. The course provides the basic tools for

planning and implementing disaster and recovery plans. Topics include civil-military coordination in complex emergencies; NGO and public health issues; command, control, and information management; communication and warning systems; intergovernmental relations; and media relations.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

INTR 6990 (1 to 3)

Nonpaid Internship

See Internship Section.

Prerequisite: Graduate standing.

INTR 6991 (1 to 3)

Paid Internship

See Internship Section.

Prerequisite: Graduate standing.

INTR 6997 (3)

Special Topics in International Studies

This is a special topics seminar in International Studies. Course content will vary as set forth in an approved syllabus. Course may be repeatable as contents change (up to 6 credits).

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies.

IS—Information Systems

IS 6005 (3)

Information Systems Management

The course covers several broad areas: key IS and IT systems concepts; aligning technology strategy with business strategy; strategic management models; commonly used metrics for evaluating the performance, feasibility, and financial value of existing and emerging IS and IT solutions; professional, legal, and ethical issues as they relate to information technology.

Prerequisite: Graduate standing.

IS 6020 (3)

Modern Methods in Project Management

A course that combines the study of traditional project management topics with modern methods of software support. Students study the planning, scheduling, operational management, and evaluation phases of project management. Particular emphasis is placed on detecting and accommodating discrepancies between planned and actual task accomplishment. The course intends that students become proficient in the use of project management software to support PERT, Critical Path Analysis, and Resource Management.

Prerequisite: Graduate standing.

IS 6040 (3)

Business Analytics

This course introduces business analytics—an interactive and oftentimes visual process of exploring and analyzing data to find valuable insights that can be used for a competitive advantage. This course provides students with the fundamental concepts and tools needed to understand the emerging role of business analytics in organizations, apply visualization techniques, and communicate with analytics professionals to effectively use analytic models and interpret results for making better business decisions.

Prerequisite: Graduate standing.

IS 6050 (3)

Software Design and Construction

This course provides an overview of software design and construction practice, with special emphasis on current platforms and emerging trends. Available topics include software development tools, programming languages, APIs, SDKs, architecture, database, UI/UX, security, testing, and integration. Please note that to be successful in this course, students must come in with a working knowledge of object-oriented programming.

Prerequisite: MIS 3050.

IS 6065 (3)

Database Management

This course provides an overview of enterprise database management with a strong focus on systems based on the relational database model. Topics include conceptual modeling; logical and physical design; SQL programming; application development; data warehouse; data quality and integration; data; and database administration, architecture, and security. In addition, students will also research alternate database models and emerging trends in the database industry.

Prerequisite: MIS 3060.

IS 6070 (3)

Systems Architecture

A survey of basic hardware and data communications principles. The course discusses topics in: machine programming sequencing and data structure addressing methods, processor evolution and design, memory structures, peripherals, fundamental communications concepts, and data communication hardware devices. The course objective is to give students an appreciation for the concepts upon which computer information systems architectures are built. Students are expected to invest substantial amounts of time and energy in: reading from the text and other professional sources, completing homework problems in a thorough and professional manner, and demonstrating mastery of course concepts on quizzes and exams.

Prerequisite: MIS 3070.

IS 6110 (3)

Comparative Software Engineering

A rigorous academic experience that will help students master the fundamentals of modern systems analysis and design. Object-oriented methods and tools are introduced, studied, mastered and compared to structured methods in systems analysis and design (SSAD) as a means for establishing a sophisticated knowledge base from which to make decisions regarding appropriate software development strategies. Students are expected to have already mastered SSAD methods before enrolling in IS 6110.

Prerequisite: MIS 3060, IS 6050.

IS 6120 (3)

Software Engineering Practicum

A professionally relevant development experience that helps students master the fundamentals of modern systems design, development, and implementation. Working as members of a project team, students produce a software system that solves a nontrivial problem by adhering to a formal set of development techniques (e.g., structured walkthroughs, code inspections, proofs of correctness). Equally important, students plan, schedule, manage, and evaluate the development process using industry standard

project management techniques.

Prerequisite: IS 6050, 6065, and 6110. Graduate standing.

IS 6130 (3)

Telecommunications

A course in the technical and management aspects of modern telecommunications systems. Topics include: communications fundamentals, data and multimedia communications hardware and software, design and management of communications facilities and systems, comparative telecommunications standards and architectures, and migration strategies from existing to new systems.

Prerequisite: Graduate standing.

IS 6230 (3)

Knowledge Management

The course provides an awareness of current theories and best practices associated with knowledge management (KM). Using a seminar approach, IS 6230 will ask students to become expert in the areas of: identifying and valuing knowledge assets, properly managing intellectual capital, choosing and evaluating KM information architectures, and developing appropriate KM strategies for complex organizations.

Prerequisite: Graduate standing.

IS 6250 (3)

Global Information Systems

The course examines opportunities and issues associated with the selection, development, and best practices of global information systems. Topics include intranets, extranets, mobile and web-based applications; sustainability and reliability of data centers, infrastructure, and related systems; cultural and regulatory issues; mobile computing; and security and privacy issues involving users, data, storage, telecommunications, physical and virtual systems.

Prerequisite: Graduate standing.

IS 6260 (3)

Network Analysis

Network analysis is used in the study of diverse structures such as the internet, interlocking directorates, transportation systems, epidemic spreading, metabolic pathways, the web graph, electrical circuits and project plans. This course focuses on the methodological foundations which have become a prerequisite for researchers and practitioners working with network models.

Prerequisite: Graduate standing.

IS 6280 (3)

Data Mining for Business Intelligence

Organizations have an ever-increasing availability of information and the area of business intelligence provides astute methodologies, technologies, and strategies for mining that enormous volume of data. In this course, participants will gain a better understanding of both well-established and cutting-edge processes being employed to capture that data and to turn this information into key resources for organizations. The technologies and processes of data mining will be discussed, demonstrated, and employed.

Prerequisite: Graduate standing.

IS 6330 (3)

Advanced Issues in Connectivity

An advanced course concentrating on contemporary issues in data and telecommunications. The course provides students with an opportunity to compare competing implementations for sharing all forms of information (data, voice, video, etc.) in a large organization. Topics include: comparative LAN/WAN implementations, e-mail, voice-mail, EDI and imaging, groupware, and security in a connected environment.

Prerequisite: IS 6130. Graduate standing.

IS 6340 (3)

Information Systems Security

A comprehensive introduction to information systems security. Topics include: system security analysis, security system design principles, tools to aid in security analysis, modern security practices, and testing. Using a combination of research and hands-on methods, students become familiar with modern encryption methods, security breach detection, and security audits.

Prerequisite: IS 6070. Graduate standing.

IS 6360 (3)

Big Data

This course comprehensively covers methods for the design, implementation, and managing of big data analytics. This course is designed to be a hands-on learning experience with a focus on technologies and modeling methods for large-scale, distributed analytics. Upon successful completion of the course, members will become familiar with the fundamental concepts of big data management, recognize challenges and understand how big data impacts business intelligence including proposing scalable solutions for organizations.

Prerequisite: Graduate standing.

IS 6380 (3)

Systems Forensics

This course will provide the student of information systems with an insight into the complexities of computer systems forensics coupled with hands-on experience. The course covers topics related to criminal justice, computer forensics, and computer technology. The course focuses on acquiring evidence from computers, networks, and logs. Legal aspects, such as preserving the chain of evidence, and the aspects of search and seizure of technology related equipment and information are also discussed.

Prerequisite: IS 6070. Graduate standing.

IS 6990 (1 to 3)

Nonpaid Internship

See Internship Section.

Prerequisite: Graduate standing.

IS 6991 (1 to 3)

Paid Internship

See Internship Section.

Prerequisite: Graduate standing.

IS 6997 (1 to 3)

Selected Topics in Information Systems

Directed individualized readings. Course content will vary as set forth in an approved syllabus. May be repeated when content has changed.

Prerequisite: Graduate standing.

IS 7100 (3)

Graduate Thesis/Applied Project Proposal

Initial design and development of the MSIS thesis or major research project. **Capstone course.**

Prerequisite: IS 6005, 6020, 6070, 6110; Graduate standing.

IS 7200 (3)

Graduate Thesis/ Applied Project

Completion of MSIS thesis/applied project. **Capstone course.**

Prerequisite: IS 7100. Graduate standing.

IS 7300 (3)

MSIS Integrated Capstone

A capstone seminar that focuses on the strategic perspective for aligning competitive strategy, core competencies, and the

design and management of organizational systems consisting of three interacting subsystems: the enterprise; the IS function and its role in marshaling information technologies and assets to support the organization strategy; and the information technology architecture consisting of the networks, hardware, data, and applications. **Capstone course.**

Prerequisite: IS 6005, 6010, 6040, 6050, 6070, 6110, 6120, 6340. Graduate standing.

JPE—Japanese

JPE 1100 (4)

Beginning Japanese I

An introduction to written and spoken Japanese, as well as Japanese culture. This is the first semester of a two-semester sequence.

JPE 1200 (4)

Beginning Japanese II

An introduction to written and spoken Japanese, as well as Japanese Culture. This is the second semester of a two-semester sequence.

Prerequisite: JPE 1100.

JPE 2100 (4)

Intermediate Japanese I

Conversation, reading, grammar, and Japanese culture. This is the first semester of a two-semester sequence.

Prerequisite: JPE 1200.

JPE 2200 (4)

Intermediate Japanese II

Conversation, reading, grammar, and Japanese culture. This is the second semester of a two-semester sequence.

Prerequisite: JPE 2100.

JPE 3100 (4)

Advanced Japanese I

Advanced conversation, reading, grammar, and Japanese culture. This is the first semester of a two-semester sequence.

Prerequisite: JPE 2200.

JPE 3200 (4)

Advanced Japanese II

Advanced conversation and Japanese culture, stressing the ability to understand extended conversations and to develop fluency in conversational Japanese on a variety of topics.

Prerequisite: JPE 3100.

JPE 4100 (4)

Advanced Japanese III

Advanced course in reading and writing, emphasizing vocabulary development, comprehension skills, and basic writing skills on a variety of topics.

Prerequisite: JPE 3100.

JPE 4200 (4)

Advanced Japanese IV

Advanced conversation, reading, grammar, and Japanese culture, emphasizing development of all language skills.

Prerequisite: JPE 3100.

KOR—Korean

KOR 1100 (4)

Beginning Korean I

An introduction to written and spoken contemporary Korean, as well as Korean culture. This is the first semester of a two-semester sequence.

KOR 1200 (4)
Beginning Korean II
An introduction to written and spoken contemporary Korean, as well as Korean culture. This is the second semester of a two-semester sequence.
Prerequisite: KOR 1100.

KOR 2100 (4)
Intermediate Korean I
Conversation, reading, grammar, and Korean culture. This is the first semester of a two-semester sequence.
Prerequisite: KOR 1200.

KOR 2200 (4)
Intermediate Korean II
Conversation, reading, grammar, and Korean culture. This is the second semester of a two-semester sequence.
Prerequisite: KOR 2100.

LAW—Law

LAW 3210 (3)
International Law
An examination of the nature and function of international law in international politics. The course conceptualizes a “community of nations,” and concentrates on principles of, norms in, and the specific role of international law. Specific cases are analyzed.
Prerequisite: Any WC&IL II course with a grade of C- or better.

LAW 3410 (3)
Constitutional Law
A survey of Constitutional law and key legal cases. Issues include: Federalism and the *Federalist Papers*; origin and development of doctrine of judicial review, separation of powers and delegation of legislative power, constitutional powers of the president, state and federal power compared, commerce power of the federal government and power to tax and spend, procedural and substantive due process, the Bill of Rights and the 14th Amendment, rights of persons accused of crimes, equal protection of law, and future trends.
Prerequisite: Any WC&IL II course with a grade of C- or better.

LAW 3610 (3)
Family Law
An examination of how the judicial system deals with such family issues as spouse and child abuse, divorce, custody and support payments. Both civil and criminal law issues are covered.
Prerequisite: Any WC&IL II course with a grade of C- or better.

LAW 3710 (3)
Administrative Law
A seminar dealing with law and litigation connected with the public bureaucracy at all levels: local, state, and federal. The principal motifs of the course relate to the tremendous expansion of the public sector in the past few decades and the consequent proliferation of administrative regulations and problems deriving therefrom. Representative units include: ratemaking; recruitment procedures; the separation of powers doctrine; the right to a hearing; and environment and safety concerns.
Prerequisite: Any WC&IL II course with a grade of C- or better.

MARS—Marine Science

MARS 1000 (3)
Introductory Oceanography

An elementary survey of the geology, chemistry, physics, and biology of the oceans. Topics include: ocean basin morphology, plate tectonics, sedimentation, major and minor components of seawater, ocean circulation, waves, tides, plankton, nekton, and benthic organisms.

MARS 1010 (3)
Field Experience in Marine Science
This field-intensive course is designed to introduce students to Hawai'i's unique tropical marine environment with an emphasis on coral reef survey methods and ocean safety. Lecture and lab topics include natural history of the Hawaiian Islands, ocean and surf safety, snorkeling skills, first aid and CPR, marine life identification, and coral reef survey techniques. Field trips include a pool session, night reef walk, and numerous snorkel surveys. Basic swimming skills and personal snorkel gear are required. Recommended for all marine science students and others interested in working in Hawai'i's marine environment.

MARS 1020 (3)
Oceanographic Field Techniques
An introduction to working safely and efficiently from a coastal research vessel. Topics include: maritime terminology, positioning, and navigation; basic maritime weather; shipboard sampling; and measurement techniques. The course includes lectures and field sessions aboard the R/V Kaholo. Required for incoming freshmen and strongly recommended for transfer students.
Prerequisite: A grade of C or better in MATH 1130 or higher (or math SAT of at least 550 or math ACT of 24 or higher). Restricted to Marine Science majors. A grade of C or better in any WC&IL I course.

MARS 1040 (3)
Introduction to SCUBA Diving and Marine Life in Hawai'i
Skin diver and scuba diver skills are taught in the context of using these skills to safely dive in open water in a range of the underwater environments and conditions. As part of the course, students will earn NAUI (National Association of Underwater Instructors) Scuba Diver and Advanced Scuba Diver certifications. The objective of this course is to provide students with intensive training in preparation for continued marine science education and more advanced training scuba diving. During the course students will learn to identify the major coral reef fauna a several popular dive sites in Hawai'i.
Prerequisite: No prior scuba diving experience is required; basic swimming proficiency, proof of medical insurance, and no existing medical conditions which may interfere with scuba diving. Personal mask, fins, and snorkel (these items can be purchased at a discount through cooperating dive shops). A swimming skills evaluation will be conducted in a swimming pool on the first day of class, and all students must pass the following skills before proceeding to underwater activities: 10 minutes treading water; swim 50 feet underwater; swim 400 yards in 10 minutes.

MARS 1500 (3)
Marine Biology and Global Oceans
The oceans and atmosphere impact and are impacted by virtually all life on earth, and our knowledge of the diversity and consequences of anthropogenic impacts on these systems is growing steadily. This course will provide a foundation of knowledge on marine biological systems and then discuss how the world oceans and surrounding environments affect and are affected by people from an economic, cultural, and political perspective.

MARS 2060 (4)
Geological, Chemical, and Physical Oceanography
A rigorous and comprehensive introduction to geological,

chemical, and physical oceanography. Topics include: earth structure and composition, plate tectonics, sediments, the hydrosphere, properties of water and seawater, salinity, gases, nutrients, atmosphere circulation, heat budgets, surface ocean circulation, thermohaline circulation, waves, tides, and coastal oceanography.

Prerequisite: BIOL 2052 or CHEM 2052.

MARS 2061 (2)
Geological, Chemical, and Physical Oceanography Laboratory

Field and laboratory component of MARS 2060. Topics include: bathymetry, sediment sampling and size analysis, seawater sample collection, temperature, salinity, pH, and dissolved oxygen measurement using in situ instruments, dissolved oxygen and plant nutrient laboratory analyses, in situ light intensity measurements, Lagrangian current measurements.

Prerequisite: CSCI 1011; BIOL 2053 or CHEM 2053; MARS 1020; MARS 2060 or concurrent.

MARS 2062 (3)
Marine Biology

A comprehensive introduction to marine biology. Topics will include principles of marine science, life in the marine environment, structure and function of marine ecosystems, and human impacts on the marine environment.

Prerequisite: BIOL 2052.

MARS 2063 (1)
Marine Biology Laboratory

Field and laboratory component of Marine Biology 2062. This course provides experience with sampling, measurement, and data analysis techniques commonly used for field and laboratory work in marine biology. In addition, students will learn basic identifications of local marine organisms.

Prerequisite: BIOL 2053, MARS 1020, and 2062 (* may be taken concurrently).*

MARS 2100 (3)
Marine Resource Management: Social, Ecological, and Cultural Dimensions

Coastal communities throughout the world are highly reliant on ocean ecosystems, and threats to ocean resources places at risk the livelihoods, cultures, and economies of coastal people. In this course, students will develop and understanding of the key threats to ocean resources such as land-based pollution, overfishing, and climate change adaption and will critically examine innovative solutions to these threats. Students will gain a deep understanding of cultural resource management approaches and their application in modern policy contexts, providing a transferable skill set for emerging ocean leaders and professionals.

Prerequisite: Any WC&IL II course.

MARS 2110 (3)
Ocean Environment of the Pacific Islands

An introduction to the oceanography and the technologies for operating at sea. The concepts of navigation (piloting, celestial, and electronic) and physics of sail are taught from their bases in astronomy, mathematics, and equipment; the methodologies involved in the collection, reduction, and analysis of oceanographic data, and the attendant operations of sailing an oceanographic research vessel.

Prerequisite: Any WC&IL II course.

MARS 3000 (3)
General Oceanography I

The first semester of a comprehensive introduction to modern oceanography. Topics include: earth history, plate tectonics, geophysics, geochemistry, marine sediments, the

hydrosphere, physical properties of salt water, major and minor components of seawater, and ocean-atmosphere interactions.

Prerequisite: BIOL 2052 or CHEM 2052.

MARS 3001 (1)
General Oceanography I Lab

Laboratory and field component of MARS 3000.

Prerequisite: CSCI 1011, MARS 1020, and 3000; BIOL 2053 or CHEM 2053 (* may be taken concurrently).*

MARS 3002 (3)
General Oceanography II

A continuation of MARS 3000. Topics include: weather and climate, ocean circulation, waves, tides, coastal oceanography, biological productivity, planktonic and benthic organisms, marine communities and ecology.

Prerequisite: MARS 3000.

MARS 3003 (1)
General Oceanography II Lab

Laboratory and field component of MARS 3002.

Prerequisite: MARS 3001.

MARS 3010 (3)
Underwater Research Techniques

Intermediate and advanced scientific SCUBA diving skills, techniques, and applications are taught in the context of using these skills to perform basic biological surveys of the nearshore marine environment. The course includes lectures and field sessions. Students learn tropical marine species identifications, transecting and quadrating techniques, as well as other underwater surveying methods. Students are required to apply knowledge and techniques taught in lectures during field sessions, keep a field notebook, and conduct a team research project.

Prerequisite: A grade of C- or higher in any WC&IL II course; MARS 2010. Junior standing.

MARS 3050 (3)
Biological Oceanography

This course emphasizes interactions of marine organisms with the physical environment. Students will learn how marine biota influence and are in-turn influenced by the chemistry, physics, and geology of the oceans. Topics include marine microbiology, phytoplankton ecology and physiology, zooplankton ecology, biogeochemistry, and global change.

Prerequisite: MARS 2060, CHEM 3010, 3030, or 3050. Undergraduate standing.

MARS 3084 (3)
Descriptive Regional Oceanography

A qualitative treatment of driving forces for water movement and detailed descriptions of wind-driven and thermohaline ocean circulation patterns in the major regions of the world ocean.

Prerequisite: BIOL 2052, CHEM 2052, MARS 3002 (or MARS 2060); any WC&IL II course.

MARS 3590 (3)
Marine Science Practicum

MARS 3920 (1 to 3)
Research: Marine Biology

MARS 3950 (1 to 3)
Marine Science Practicum

Junior practicum for students interested in working on special topics in marine science under the direction of the marine science faculty.

Prerequisite: Any WC&IL II course.

MARS 3990 (1 to 3)

Nonpaid Internship
See Internship Section.

MARS 3991 (1 to 3)

Paid Internship
See Internship Section.

MARS 4030 (3)

Marine Mammal Biology

This is a survey course of marine mammal biology. The course covers phylogeny, anatomy, physiology, ecology, and behavior of marine mammals.

Prerequisite: BIOL 2052.

MARS 4031 (3)

Marine Mammal Biology Laboratory

This course aims to develop traditional laboratory, field, and computer skills to investigate marine mammal physiology and ecology. A broad range of topics will be covered including taxonomy, anatomy, population abundance and distribution, health assessment, and marine mammal strandings. Data analyses and scientific writing of reports emphasized.

Prerequisite: BIOL 2053; MARS 4030 (or concurrent).

MARS 4040 (3)

Seabird Ecology and Conservation

Survey of the phylogeny, anatomy, physiology, behavior, and ecology of marine birds, with an emphasis on North Pacific species. The goal of this course is to provide students with the understanding of the ecology of these marine top predators and their role in marine ecosystems impacts. Hands-on activities in the laboratory, field work, and guest lectures by resource managers will augment the course material.

Prerequisite: MARS 3002.

MARS 4050 (3)

Marine Ecology

Application of ecological principles and methods to marine habitats are explored. Marine life, including plankton, nekton, neuston, and benthos, are studied in ecological settings from estuaries to the deep sea. Subject matter draws heavily from the original scientific literature. BIOL 3060 is recommended.

Prerequisite: BIOL 3080, 3081; MARS 3002 (or MARS 2060).

MARS 4060 (3)

Geological Oceanography

Geological, geophysical, and geochemical principles applied to the oceans. Topics include: origin, structure, composition, and evolution of the earth; morphology of ocean basins and continental margins; plate tectonics; marine sedimentology and stratigraphy; sea level changes; and paleoceanography.

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2052; CHEM 2052; GEOL 2000; and MARS 3002 (or MARS 2060).

MARS 4061 (2)

Geological Oceanography Laboratory

Laboratory and field component of MARS 4060.

Prerequisite: BIOL 2053; CHEM 2053; MARS 3003 (or MARS 2061), MARS 4060 (* may be taken concurrently); any WC&IL II course.*

MARS 4070 (3)

Chemical Oceanography

Chemical and biological principles applied to the oceans. Topics include: the physical chemistry of seawater; salinity

and the major ions; bio-limiting, bio-intermediate, and bio-unlimiting chemicals; dissolved gases; the DIC system; trace metals; hydrothermal processes; radiochemistry; stable isotopes; chemical transport; and chemicals as water mass tracers.

Prerequisite: BIOL 2052; CHEM 2052; MARS 3002 (or MARS 2060); any WC&IL II course. Co-requisite: MARS 4071.

MARS 4071 (2)

Chemical Oceanography Laboratory

Laboratory and field component of MARS 4070.

Prerequisite: A grade of C- or higher in any WC&IL II course; BIOL 2053; CHEM 2053, MARS 3003 (or MARS 2061), MARS 4070 (*may be taken concurrently). Co-requisite: MARS 4070.*

MARS 4080 (3)

Physical Oceanography

Basic physical and mathematical principles applied to ocean dynamics. Topics include: properties of seawater, physical laws and classification of forces, the equation of motion, turbulence, geostrophic flow, wind-driven circulation, thermohaline circulation, waves, and tides.

Prerequisite: MARS 3000, 3002, MATH 2214.

MARS 4081 (2)

Dynamic Physical Oceanography Laboratory

MARS 4081 is the laboratory and field component of MARS 4080. Students have the opportunity to get extensive hands-on experience with measurement and data analysis techniques commonly used in physical oceanography.

Prerequisite: MARS 3001, 3003, and 4080 (* may be taken concurrently).*

MARS 4090 (3)

Biological Oceanography

A survey of biological oceanography with an emphasis on the interactions of organisms with their physical and geochemical environment. Pelagic organisms spanning scales from the microbial loop to fisheries will be examined using energy flow, genetics, and models, with an emphasis on past and present global changes.

Prerequisite: MARS 3000 and 3002.

MARS 4100 (3)

Marine Resource Management: Culture and Sustainability

Coastal communities throughout the world are highly reliant on ocean ecosystems, and threats to ocean resources places at risk the livelihoods, cultures, and economies of coastal people. In this course, students will develop strategies and leadership skills to address the key threats to ocean resources such as land-based pollution, overfishing, and climate change adaptation and will critically examine innovative solutions to these threats. Students will gain a deep understanding of cultural resource management approaches and their application in modern policy contexts, providing a transferable skill set for emerging ocean leaders and professionals.

Prerequisite: Any WC&IL II course and any 3000-level MARS, BIOL or ENV'S course.

MARS 4210 (3)

Marine Fisheries and Management

This course will cover major aspects of marine fisheries including the types of gears and practices used, life histories, the recruitment and population dynamics of harvested species, and the structure and assessment of stocks. An overarching theme will be the effects of fishing and climate variability on the aforementioned dynamics of individual species and fisheries, as well as ecosystems. Ultimately, the course will

focus on how such dynamics present management dilemmas and the consequential management solutions to these problems.

Prerequisite: BIOL 2052, 3080; MARS 3000/3002 or ENVS 2000; or consent of instructor.

MARS 4400 (3)

Marine Conservation Biology

This course provides an overview of the ecological foundations of conservation biology, with an emphasis on the management of marine living resources. Lectures and assignments emphasize the theoretical foundations and the practical approaches to marine conservation and illustrate real-world case studies involving biodiversity conservation, fisheries management, and novel methods for coastal zone planning. Computer simulations, homework sets, and class activities give students the opportunity to apply a variety of quantitative tools, engage in critical thinking, and use scientific results in decision-making. Guest lectures by conservation practitioners illustrate real-world resource management applications in Hawai'i, the U.S., and internationally.

Prerequisite: BIOL 3080.

MARS 4500 (1)

Marine Sciences Honors Seminar

Marine Science Honors Seminar prepares students for Honors Research and initially concentrates on the development of hypotheses and experimental design. Later students will use the scientific literature to investigate questions with the purpose of deriving their own hypotheses that will be tested the following semester using facilities available at HPU.

Prerequisite: MARS 3002 (or MARS 2060).

MARS 4600 (3)

Honors Research

A supervised research project for students anticipating going on to graduate studies in the marine sciences. The course includes oral status reports, a final written report, a final formal seminar, and a poster presentation of research project results.

Prerequisite: MARS 4910 or 4920.

MARS 4910 (3)

Research Seminar in Marine Biology

In this capstone course for marine biology majors, students carry out a senior research project in an area of interest within marine science. Students will first participate in ecological field work on the university's research vessel, using a variety of instruments and sampling devices. Students will then take the lead on a project of interest and develop a research plan to be carried out during the course. This investigation will include data and/or sample collection, data analyses, synthesizing the results within the context of the peer-reviewed literature, and communicating the findings in a presentation and in writing.

Prerequisite: Marine Biology or Oceanography major; MARS 4050 or concurrent. Co-requisite MARS 4911.

MARS 4911 (1)

Research Experience in Marine Biology

In this capstone course for marine biology majors, students carry out a senior research project in an area of interest within marine science. Students will first participate in ecological field work on the university's research vessel, using a variety of instruments and sampling devices. Students will then take the lead on a project of interest and develop a research plan to be carried out during the course. This investigation will include data and/or sample collection, data analyses, synthesizing the results within the context of the peer-reviewed literature, and communication of the results in a

scientific paper and an oral presentation.

Prerequisite: Marine Biology or Oceanography major; MARS 4050 or concurrent. Co-requisite MARS 4910.

MARS 4920 (3)

Research Experience in Oceanography

In this capstone course for oceanography majors, students carry out a senior research project in an area of interest within marine science. Students will first participate in oceanographic field work on the R/V Kaholo, using a variety of instruments and sampling devices. Students will then take the lead on a project of interest and develop a research plan to be carried out during the course. This investigation will include data and/or sample collection, data analyses, synthesizing the results within the context of the peer-reviewed literature, and communicating the findings in a presentation and in writing.

Prerequisite: MARS 3002 and 3003; and MARS 4060, 4070, 4080, or 4090, may be taken concurrently. Co-requisite: MARS 4921.

MARS 4921 (1)

Oceanography Research Seminar

This seminar is associated with the capstone course for oceanography majors, whereby students carry out a senior research project in an area of interest within marine science. In the seminar, technical aspects of research that include research planning, data analyses, writing, and giving presentations on results will be covered in depth, using students' research projects.

Prerequisite: MARS 3002 and 3003; and MARS 4060, 4070, 4080, or 4090, may be taken concurrently. Co-requisite: MARS 4920.

MARS 4950 (1 to 3)

Senior Science Practicum

Senior practicum opportunity for students anticipating working in the marine sciences after graduation.

Prerequisite: Any WC&IL II course. Senior standing.

MARS 6000 (4)

Marine Systems I: Geological and Physical Oceanography

Geological and physical principles applied to the oceans. Topics include: the configuration of the ocean basins, paleoceanography, sea level change, oceanic sedimentary resources and sediment production, distribution and transport; atmospheric circulation, the global heat budget, ocean circulation, and wave motion.

Prerequisite: Graduate standing.

MARS 6002 (4)

Marine Systems II: Chemical and Biological Oceanography

Chemical and biological principles applied to the oceans. Topics include: chemical composition of seawater, use of isotopes ocean science, marine microbiology, zooplankton and secondary production, benthic habitats and communities, nutrient and particle fluxes associated with the ocean's biological pump and with marine biogeochemical cycles.

Prerequisite: Graduate standing.

MARS 6010 (3)

Toxicology and Stress Responses in Marine Communities

Marine pollution is a problem that degrades habitat and exacerbates all other anthropogenic impacts to the marine environment. Using a case-study approach, this course explores: 1) major types of marine pollution, 2) the dynamics of specific classes of contaminants, 3) principles that

influence toxicity of contaminants in major marine phyla, 4) diversity of metabolic and clearance mechanisms, and 5) impacts at the community and ecosystem levels.

MARS 6020 (3)

Marine Science Field Methods

Marine Science Research will enable students to refine methodology for ship/boat based research and to begin collecting data using HPU's marine resources. This course is required for students requesting Kaholo time for thesis projects.

Prerequisite: Graduate standing.

MARS 6030 (3)

Marine Mammal Biology

This is a survey course of marine mammal biology. This course covers phylogeny, anatomy, physiology, ecology and behavior of marine mammals.

MARS 6040 (3)

Seabird Ecology and Conservation

Survey of the ecology of seabirds and their role in marine ecosystems, with an emphasis on North Pacific species. Hands-on activities in the laboratory, field work, and guest lectures by resources managers will augment the course material. Students will complete any independent project using observations collected during the course activities.

Prerequisite: Graduate standing.

MARS 6050 (3)

Marine Ecology

A graduate course emphasizing ecological interactions of marine organisms with their own and other species and with the physical environment. Designed to survey not only what is known about marine ecology but how that knowledge was acquired, the course strongly emphasizes readings from original scientific literature.

Prerequisite: Graduate standing.

MARS 6060 (3)

Geological Oceanography

This course provides students with an in-depth survey of marine systems from a geological perspective. The topics covered will include the configuration of the ocean basins, paleo-oceanography, sea level change, oceanic sedimentary resources, as well as sediment production, distribution, and transport.

Prerequisite: Graduate standing.

MARS 6070 (3)

Chemical Oceanography

Chemical and biological principles applied to the oceans. Topics include: the physical chemistry of seawater; salinity and the major ions; bio-limiting, bio-intermediate, and bio-unlimiting chemicals; dissolved gases; the DIC system; trace metals; hydrothermal processes; radiochemistry; stable isotopes; chemical transport; and chemicals as water mass tracers.

Prerequisite: Graduate standing.

MARS 6080 (3)

Physical Oceanography

This course provides students with an in-depth survey of marine systems from a physical perspective. Topics include physical and thermodynamic properties of seawater; temperature, salinity, and density distributions; ocean heat budget; ocean effect on climate; geostrophic flow; Ekman balance; potential vorticity and Sverdrup balance; thermohaline circulation; waves; and tides.

Prerequisite: Graduate standing.

MARS 6090 (3)

Biological Oceanography

This course provides students with an in-depth survey of marine systems from a biological perspective, emphasizing the interactions of organisms with the physical and chemical environment and biogeochemical variability and introducing key organisms and their functions (using energy flow, genetics, and models) from microbial loop to fisheries, with an emphasis on past and present global change issues.

Prerequisite: Graduate standing.

MARS 6120 (3)

Coral Reef Ecology

Coral reef biology and ecology are broadly covered through lecture and group discussion of primary literature and contemporary issues. Emphasizing Hawaiian reef ecosystems, topics include coral taxonomy, anatomy, reproduction, symbiosis, biogeography, evolutionary history, reef accretion or loss due to natural and anthropogenic disturbances including global climate change and ocean acidification.

MARS 6210 (3)

Marine Fisheries and Management

This course will address a marine science branch of great relevance to marine science (MSMS) and global leadership and sustainability (MAGLSD) students, which has not been part of the HPU curriculum to date. This course will be available to graduate students, and will be offered concurrently with a course designed for undergraduate MARS and ENVIS (MARS 4210).

Prerequisite: Enrollment in MSMS or MAGLSD program.

MARS 6300 (3)

Multivariate Applications in Marine Science

This hands-on workshop focuses on the application and the interpretation of multivariate analyses commonly used by marine scientists. Lectures and assignments emphasize the conceptual understanding and the practical use of these methods, with the goal of providing students with a tool-kit they will use in their thesis research and beyond.

Prerequisite: Graduate standing.

MARS 6400 (3)

Marine Conservation Biology

This course provides an overview of the theory and practice of marine conservation. Lectures and assignments emphasize the conceptual foundation and the quantitative tools for the analysis of demography and population trends. Case studies and guest speakers highlight the use of computer simulations in the management of living marine resources. An independent marine protected area project gives students experience in critical thinking, communication skills, and the use of science in effective decision-making.

Prerequisite: Graduate standing.

MARS 6500 (3)

Geospatial Analysis in Marine Science

This workshop course provides an overview of the spatial analysis and associated modeling techniques used in marine science, including metrics of intensity, quantification of spatial form, and surface modelling. Students will implement these analyses using a variety of software tools and marine datasets. Real-world case studies will augment the lectures.

MARS 6600 (3)

Computational Methods in Marine Science

This workshop course provides an overview of the computational methods used for the manipulation and analysis of large datasets using statistically robust techniques (randomization, bootstrapping). Students will practice these techniques using a variety of software tools and datasets. Real-world marine science case studies will augment the

class lectures and assignments.

MARS 6910 (1)

Current Topics in Marine Science

This is a new graduate seminar course for students in the MSMS program. Current topics seminars are designed to expose graduate students to new developments and discoveries in marine science by taking advantage of seminars and other educational opportunities inside and outside HPU. While this flexible structure may vary with instructor and topic, most will be structured as seminar courses. Students will be assigned readings in the current literature of the course topic and required to critique the readings and relate the materials to their own research or the instructor's area of expertise.

Prerequisite: Graduate standing.

MARS 6920 (1 to 3)

Special Topics in Marine Science

The specific title, content, and prerequisites for this course will vary with instructor and need in the program. The course may be repeated when the title and content have changed.

Prerequisite: Graduate standing.

MARS 6950 (1 to 3)

Practicum in Marine Science

This course offers MSMS students the opportunity to obtain practical hands-on experience working in a research project or an organizational employment setting. Hosting organizations will provide students with an intellectually challenging task. In turn, each practicum experience will be designed to meet the specific project goals of the host institution.

MARS 6990 (1 to 3)

Nonpaid Internship

See Internship Section.

Prerequisite: Graduate standing.

MARS 6991 (1 to 3)

Paid Internship

See Internship Section.

Prerequisite: Graduate standing.

MATH—Mathematics

MATH 1101 (3)

Fundamentals of College Mathematics

An introductory course in the study of linear and elementary quadratic equations designed to help students develop critical thinking skills in the area of mathematics. The course emphasizes the importance of algebraic principles, applications, and problem solving. Students may enroll concurrently in MATH 1102.

MATH 1102 (1)

Fundamentals of Mathematics Laboratory

A mathematics lab to be taken concurrently with MATH 1101, the course provides supplementary individual and small group instruction and supervised practice with fundamental algebra skills to help students succeed in MATH 1101. Students enrolled in MATH 1102 must be enrolled concurrently in MATH 1101.

Co-requisite: MATH 1101.

MATH 1105 (3)

Intermediate Algebra

An intermediate algebra course connecting the real world to mathematics. Topics include: factoring polynomials and solving equations by factoring, rational expressions and equations, graphing functions, systems of equations, absolute value equations, inequalities, radical expressions and

functions, quadratic equations and their graphs, and quadratic formula. Students may enroll concurrently in MATH 1106.

Prerequisite: An ACT Math score of at least 18, an SAT Quantitative score of at least 450, a grade of C- or better in MATH 1101, or an appropriate score on the math placement test.

MATH 1106 (1)

Intermediate Algebra Laboratory

A mathematics lab to be taken concurrently with MATH 1105, the course provides supplementary individual and small group instruction and supervised practice with intermediate algebra skills to help students succeed in MATH 1105.

Co-requisite: MATH 1105.

MATH 1115 (3)

Survey of Mathematics

A general survey course that emphasizes reasoning skills, real-life math applications, and non-routine problem solving through individual and team assignments. Topics may include: inductive and deductive reasoning, logic, sequences, systems of numeration, geometry, metric system conversion analysis, personal finance, permutations and combinations, and an introduction to probability, plus individual topics of choice to prepare students for courses in their major or pursue self-interests.

Prerequisite: MATH 1105 or an appropriate score on a placement test.

MATH 1116 (3)

Problem Solving

This course is designed to improve students' problem-solving skills by investigating both traditional and non-traditional mathematics problems. Reasoning, reflection upon the problem-solving process, and the elements of effective thinking will be emphasized. Students will write and present their ideas both orally and visually. There will also be real-world applications of mathematical problem solving to games and puzzles, the infinite, and the arts. This course will be taught in the style of inquiry-based learning.

Prerequisite: An ACT Math score of at least 21, an SAT Quantitative score of at least 510, a grade of C- or better in MATH 1105, or an appropriate score on the math placement test.

MATH 1120 (3)

Mathematics in the Modern World

This course takes a mathematical approach to understanding contemporary issues and explores ways to apply mathematics in everyday life. Students will evaluate and interpret quantitative data through means such as functions, modeling, probability, and statistics and will use the results to form opinions and make decisions. Topics and applications may include the arts and entertainment, biological and health sciences, business and economics, education, environmental science, geography, personal finance, physical science, politics, and sports.

Prerequisite: An ACT Math score of at least 21, an SAT Quantitative score of at least 510, a grade of C- or better in MATH 1105, or an appropriate score on the math placement test.

MATH 1123 (3)

Statistics

This course provides an introduction to descriptive and inferential statistics. Topics include describing, summarizing, and displaying data; using sample statistics to estimate population parameters; evaluating hypothesis using confidence levels with application to the physical and

social sciences; logically drawing conclusions based on statistical procedures; and quantifying the possibility of error and bias.

Prerequisite: An ACT Math score of at least 21, an SAT Quantitative score of at least 510, a grade of C- or better in MATH 1105, or an appropriate score on the math placement test.

MATH 1130 (3)
Pre-Calculus I

This course covers mathematical topics that prepare students for higher-level mathematics courses. Topics include: functions and their properties, polynomial and rational functions and their graphs, transformation method of graphing functions, exponential and logarithmic functions and equations, right-triangle trigonometry, an introduction to trigonometric functions and their graphs, solving systems of inequalities, and solving systems of equations. Optional topics: matrices, determinants and Cramer's rule, linear programming, fundamental counting principle, permutations and combinations, and an introduction to probability.

Prerequisite: An ACT Math score of at least 21, an SAT Quantitative score of at least 510, a grade of C- or better in MATH 1105, or an appropriate score on the math placement test.

MATH 1140 (3)
Pre-Calculus II

This course is a continuation of MATH 1130 and covers further mathematical topics that prepare students for higher level mathematics courses. Course topics include: a complete development of trigonometry including trigonometric functions and their identities; solving trigonometric equations, applications of trigonometry to vectors; polar coordinates, and polar form of complex numbers; rectangular form and polar form of conic sections; matrices and matrix formulation of solution of systems of equations; determinants and Cramer's rule; introduction to sequences and series; and the binomial theorem.

Prerequisite: A grade of C- or better in MATH 1130 or advisor approval.

MATH 1150 (3)
Pre-Calculus I and II Accelerated

A course for well-qualified students who are prepared to complete the pre-calculus sequence in one term. The course includes all the topics covered in Pre-Calculus I, MATH 1130, and Pre-Calculus II, MATH 1140, but is presented in one term.

Prerequisite: A grade of A in MATH 1105, a grade of C or better in MATH 1130, an ACT Math score of at least 24, an SAT Quantitative score of at least 570, or an appropriate score on a placement test.

MATH 1234 (3)
Introduction to Cryptology

This course gives an historical introduction to cryptology, the science of making and breaking secret codes. It begins with the oldest recorded codes, taken from hieroglyphic engravings, and ends with the encryption schemes used to maintain privacy during internet credit card transactions. Since secret codes are based on mathematical ideas, each new encryption method discussed in this course leads to the study of new mathematical ideas and results. Topics covered include basic modular arithmetic, primes and divisors, permutations, and elementary statistics. This course will also cover the social and historical aspects associated to cryptology.

Prerequisite: An ACT Math score of at least 21, an SAT Quantitative score of at least 510, a grade of C- or better in MATH 1105, or an appropriate score on the math placement

test.

MATH 2007 (3)
Mathematics Across the Ages

A survey of the historical development of mathematical thought from ancient times to the present. Possible topics include: Babylonian, Egyptian, Greek, Chinese, Hindu, and Arabian mathematics; European mathematics in the middle-ages and the Renaissance; and the development of calculus, number theory, abstract algebra, non-Euclidean geometry, set theory, and information theory.

Prerequisite: An ACT Math score of at least 24, an SAT Quantitative score of at least 570, a grade of C- or better in MATH 1130, or an appropriate score on the math placement test.

MATH 2214 (3)
Calculus I

A course in single variable calculus which emphasizes limit, continuity, derivative, and integral. Primary focus is on the derivative with an introduction to the integral and elementary applications of the integral. Differentiation topics include: chain rule, implicit differentiation, curve sketching, and maxima and minima problems. Integration topics include: fundamental theorem of calculus, method of substitution, area between curves, and volumes of revolution.

Prerequisite: An ACT Math score of at least 26, an SAT Quantitative score of at least 620, a grade of C- or better in MATH 1140 or 1150, or an appropriate score on the math placement test.

MATH 2215 (3)
Calculus II

A continuation of Calculus I, completing the development of the integral. Integration topics include: integration by parts, trigonometric substitution, method of partial fractions, length of curves, surfaces, and volumes of revolutions. Other topics include: infinite series, tests of convergence; power series, radius of convergence, and Taylor's series. Other topics may include calculus of conic sections, vector algebra, and scalar and vector product.

Prerequisite: MATH 2214 or advisor approval.

MATH 2216 (3)
Calculus III

A course in calculus of several variables. The course begins with vector algebra, scalar and vector product, and elementary applications of vectors. Emphasis is placed on differentiation and integration of functions of several variables with peripheral focus on limits and continuity. Differentiation topics include: partial derivative, directional derivative, chain rule formula, gradient, maxima and minima problems, Lagrange multipliers, divergence, and curl. Integration topics include: iterated integrals in rectangular, polar, and spherical coordinates; line integrals; Green's theorem; divergence theorem; and Stoke's theorem.

Prerequisite: MATH 2215.

MATH 2220 (3)
Proof Writing

An introduction to proof writing and mathematical logic covering sentential and first order logic, introduction to sets, introduction to formal proofs, and practical proof writing for a working mathematician.

Prerequisite: An ACT Math score of at least 24, an SAT Quantitative score of at least 570, a grade of C- or better in MATH 1130, or an appropriate score on the math placement test.

MATH 2326 (3)

Mathematics for Decision-Making

A course developing the quantitative skills necessary for the effective formulation and solution of problems in business, management, economics, and the social and life sciences. Topics include: probability and probability distributions, functions and their graphs, differentiation and its application to max-min problems, linear programming, network models, project management with PERT-CPM, and simulation.

Prerequisite: MATH 1123; MATH 1130 or higher.

MATH 3110 (3)

Foundations of Mathematical Logic and Applications

A course in mathematical logic covers proof theory, model theory, and the theory of decidability. Topics include sentential logic, First order logic, deductive calculus, completeness and soundness theorems, model theory, isomorphisms, compactness theorem, and Godel's incompleteness theorem, applications to theoretical computer science, and complexity theory.

Prerequisite: CSCI 1301, MATH 2220, 3301*, or consent of instructor. (*May be taken concurrently).

MATH 3220 (3)

College Geometry

This course provides geometry content and process for those planning to become secondary math teachers. The course is also appropriate for other mathematics majors. Included are activities and discussions in inductive and deductive reasoning in Euclidean geometry, classical geometry with constructions, transformations, dynamical geometry software, non-Euclidean geometries, three-dimensional geometry, spatial reasoning, and miscellaneous topics.

Prerequisite: MATH 2215.

MATH 3234 (3)

Mathematical Cryptology

This course gives a mathematical introduction to cryptology, the art and science of making and breaking secret codes. It begins with the oldest recorded codes and ends with the encryption schemes used to maintain privacy during internet credit card transactions. Topics covered include the classical monoalphabetic ciphers and their cryptanalysis; polyalphabetic ciphers and their cryptanalysis; perfect cipher systems; and public-key cryptology, including Diffi-Hellman key exchange, RSA, Knapsack codes, and anonymity. The mathematical subjects include permutations, modular arithmetic, statistics, recurrence relations, and elementary number theoretic results.

Prerequisite: MATH 2214 (Calculus I) or higher or consent of instructor.

MATH 3240 (3)

Math Concepts for Elementary Teachers

A review of the central concepts, tools of inquiry, and structures of the discipline of mathematics so that elementary teachers can create learning experiences that make aspects of the subject matter meaningful for students.

Prerequisite: MATH 1115.

MATH 3301 (3)

Discrete Mathematics

This course focuses on the theory and application of mathematical principles critical to the computing sciences. Students study and apply key concepts in topics such as set theory, combinatorics, language and grammars, propositional and quantifier logic, Boolean functions and circuit design, growth of functions and big-O notation, time complexity of algorithms, mathematical induction and program correctness, recursive definitions and recursive algorithms, and solving recurrence relations.

Prerequisite: MATH 1130, 2220, or consent of instructor.

MATH 3302 (3)

Elementary Number Theory

Topics covered include prime and composite integers; factorization; divisibility; number theoretic functions; Diophantine equations; congruence of integers; quadratic reciprocity; mathematical inductions; cryptography; Pythagorean triples; and real, complex and p-adic numbers.

Prerequisite: MATH 2215; or MATH 2214 and 3301. Undergraduate standing.

MATH 3305 (3)

Linear Algebra

Elementary linear algebra with applications in the sciences and to computers and economics. Topics include: systems of linear equations; matrix theory, determinants and eigenvalues; geometry of Euclidean n-space; abstract vector spaces, bases, linear independence, and spanning sets; linear transformations, null space, and range; diagonalization of matrices; eigenvalues and eigenvectors of symmetric matrices; quadratic forms, inner products; and orthonormalization.

Prerequisite: MATH 2214 or higher except MATH 2326 or consent of instructor.

MATH 3307 (3)

Differential Equations

A course in ordinary differential equations utilizing concepts and techniques from Calculus I and II and linear algebra. Emphasis is on solution to higher-order linear equations. First order topics include: separation of variables, exact equations, integrating factors, and homogenous and non-homogenous systems with applications to networks. Higher order topics include: a detailed study of solutions to second order linear equations by reduction of order, variation of parameters, and series solutions; linear independence of solutions, the Wronskian, general solution to linear homogenous and non-homogenous equations, and linear equations with constant coefficients and the Laplace transform method.

Prerequisite: MATH 2214 or higher except MATH 2326/3301. Recommended: MATH 3305.

MATH 3316 (3)

Problem Solving for Mathematics Teaching

This course is designed to improve students' problem-solving skills for solving both traditional and non-traditional mathematics problems. Reasoning, communicating mathematics, mathematical representations, and connections between various mathematical topics will be emphasized.

Prerequisite: MATH 2214.

MATH 3320 (3)

Set Theory

To provide students with a solid background in set theory and to develop mathematical sophistication in general, this is a course in which covers ZF (Zermelo Frankel axioms) and ZFC (ZF + the axiom of choice), DeMorgan's laws, Power Set, Set Algebra, Zorn's lemma and other equivalent versions of AC, equivalence relations, well orderings and partial orderings, bijections, Russell's paradox, con-final maps, mathematical induction, transfinite induction, ordinals and cardinals, ordinal and cardinal arithmetic, the continuum hypothesis, and the constructible universe.

Prerequisite: MATH 2220, 3110, 3301, or consent of instructor.

MATH 3330 (3)

Abstract Algebra

An introduction to algebra as a deductive system. Topics include: complex numbers, well ordering, groups, cyclic groups, permutation groups, rings, equivalence relations, polynomial rings, division algorithm, unique factorization, zeros of polynomials.

Prerequisite: MATH 3305 or consent of instructor. MATH 2220 is strongly suggested but not required.

MATH 3450 (3)

Real Analysis

An introduction to the theory of real analysis. Topics include: completeness of the real numbers, basic topology of the real numbers, continuous functions and compactness, sequences and series, limits, derivatives, mean value theorems, the Riemann integral, Taylor's formula, power series, uniform convergence.

Prerequisite: MATH 2215 or consent of instructor. MATH 2220 is strongly suggested but not required.

MATH 3460 (3)

Probability

Discrete and continuous probability with applications. Topics include: finite sample spaces, combinations and permutations, conditional probability, independent events, discrete random variables, continuous random variables, functions of random variables, higher-dimensional random variables, expectation, variance, correlation coefficient, generating function, reproductive properties, sequences of random variables, law of large numbers, central limit theorem.

Prerequisite: MATH 2215 or consent of instructor.

MATH 3470 (3)

Applied Statistics

This course is an introduction to the mathematical theory of statistics. Topics covered include discrete and continuous distributions, tests of hypotheses, estimation, analysis of variance, regression and correlation, sequential analysis, and rank order statistics.

Prerequisite: MATH 2214 or higher except MATH 2326/3301, or consent of instructor. MATH 1123 is strongly suggested but not required.

MATH 3500 (3)

Numerical Methods

The purpose of numerical analysis is two-fold: (1) to find acceptable approximate solutions when exact solutions are either impossible or impractical, and (2) to devise alternate methods of solution better suited to the capabilities of computers. Topics for this course include: elements of error analysis, real roots of an equation, polynomial approximation by finite difference and least square methods, interpolation, quadrature, numerical solution of ordinary differential equations, and numerical solutions of systems of linear equations. Students should expect to program a computer and use a graphing calculator.

Prerequisite: CHEM 2050; CSCI 2911; MATH 3305 and 3307; PHYS 2052. (*May be taken concurrently.)*

MATH 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

MATH 4210 (3)

Topology

An introduction to the basic concepts of topology in the setting of metric spaces and more general topological spaces. Topics include completeness, compactness, connectedness, continuous functions and continuity in terms of nets, Hausdorff spaces, product spaces, metric spaces, Tychonoff theorem, Bolzano-Weierstrass theorem, Stone-Weierstrass theorem, and the Baire category theorem.

Prerequisite: MATH 2215; and MATH 3310 or higher; or consent of instructor.

MATH 4301 (3)

Combinatorics and Graph Theory

This course explains how to reason and model using enumerative combinatorics and applied graph theory. It also stresses the systematic analysis of different possibilities, exploration of the logical structure of a problem, and ingenuity. Combinatorial reasoning underlies all analysis of computer systems. It plays a similar role in discrete operations research problems and infinite probability. Topics covered include generating functions, set partitions, recurrence relations, inclusion-exclusion, trees, graph connectivity, independence, and graph colorings. Additional topics will be chosen from Ramsey theory, planarity, matchings, Polya's enumeration formula, and Hamiltonian and Eulerian graphs.

Prerequisite: MATH 3301.

MATH 4450 (3)

Complex Analysis

Complex Analysis is the theory and applications of analytic functions of a single complex variable. Topics include: Taylor and Laurent series representation, Cauchy's integral theorem and formula, residue calculus, harmonic functions, zeros and poles, counting theorem, conformal mappings, linear functional transformations, Schwartz-Christoffel transformation, Laplace's equation, Poisson's equation, Neumann problems, and the Fourier representation theorem.

Prerequisite: MATH 2216, or consent of instructor.

MATH 4470 (3)

Methods of Applied Mathematics I

Applied Mathematics I is the first course in a course sequence exploring analytical methods of solution in various mathematical and scientific areas. The course may review a variety of topics: solution of ordinary differential equations, solution of systems of ordinary differential equations, Laplace transform method, methods of applied linear algebra, and vector calculus. New topic presented in this class include: complex variables, Fourier transform, partial differential equations, Laplace's equation, and equations of motion and fluids.

Prerequisite: MATH 3307, PHYS 2052, or consent of instructor. (*may be taken concurrently). MATH 3216 is recommended.*

MATH 4471 (3)

Methods of Applied Mathematics II

Applied Mathematics II is the second course in a course sequence exploring numerical solutions in various mathematical and scientific areas. Topics for this course include: elements of error analysis, real roots of an equation, polynomial approximation by finite difference and least square methods, interpolation, quadrature, numerical solution of ordinary differential equations, and numerical solutions of systems of linear equations. Additional topics explore partial differential equations and finite-element analysis.

Prerequisite: CSCI 2911; MATH 3305, 4470; or consent of instructor.

MATH 4475 (3)

Modeling and Simulation

Material includes the advanced study of mathematical techniques, algorithms, and applications applicable to assist and improve decision-making in the management and behavioral sciences. The course focuses on both the techniques and the use of the computer in facilitating application of these techniques.

Prerequisite: CSCI 2912; MATH 1123 and 2214.

MATH 4920 (3)

Math Education Practicum

This course combines the study of mathematics problem-solving with practical classroom experience. Students will investigate the issues of teaching mathematics while gaining practical experience as tutors. Students will follow the progress of their own students in mathematics labs.

Prerequisite: MATH 3316, or any other MATH 3000-level class, or consent of instructor.

**MATH 4950 (1 to 3)
Research in Applied Mathematics**

MATH 4950 Research in Applied Mathematics is an upper-division course for senior students from any major in CNCS. Students work closely with a faculty member in the Department of Mathematics who will guide them in learning advanced topics and doing research in applied mathematics. The topics broadly encompass mathematical modeling, data analysis, numerical implementation, etc. in interdisciplinary studies, depending on students' majors and needs. There is no prerequisite but MATH 3307 Differential Equation is highly recommended.

**MATH 4960 (3)
Observation/Participation**

MATH 4980 (3)
Secondary math student teaching p racticum in math student teaching.

MC—Mass Communication

**MC 1000 (3)
Mass Media Today**

This course is an introduction to the practices of mass communicators and provides an overview of the history, rationale, and landscape of the traditional areas of advertising, journalism, and public relations, illustrated by reviews and examples. The course includes strategies, techniques, and applications, including an exploration of specific examples and case studies.

**MC 1100 (3)
Mass Communication Writing**

MC 1100 provides an introduction to the skills needed to be a critical writer for modern mass communication sources. It emphasizes analysis and practice of a variety of news writing and reporting styles appropriate to contemporary integrated organizations and the variety of distribution methods (print, radio, video, and multimedia) that dominate public discourse today.

Prerequisite: MC 1000.

**MC 2100 (3)
Mass Communication Research**

Introduction to quantitative and qualitative methods used to study audiences, contents, and effects of mass media. Course content focuses on advertising, journalism, and public relations communication using social science research skills and data analysis. Approaches include content analysis, survey research, focus groups, and other empirical methodologies.

Prerequisite: MC 1000.

**MC 2200 (3)
1st Amendment & Intellectual Property Law**

MC 2200 is designed to introduce students to First Amendment doctrines and issues concerning freedom of expression. Students will be exposed to a survey of major areas of media law; governmental regulation of political speech; defamation; privacy torts; news gathering rights; and intellectual property issues such as trademark, patent, copyright, and fair use. This course can also be seen as an advanced First Amendment course concentrated on the interplay between "new" media,

cutting-edge technologies, privacy, and other civil liberties. Students can expect to engage in a conversation about the ethical and political issues facing the digital media.

**MC 3120 (3)
Writing for Digital Media**

A review of the basic structure of today's news and information practices and basic writing for all media. The course reviews career options and social, legal, technical, and ethical environments in which mass media operate. It distinguishes news from other types of writing and provides instruction and practice in writing designed to enhance student skills and provide opportunities for publication in the digital age.

Prerequisite: MC 1100.

**MC 3300 (3)
Social Media**

This course looks at applications of social media in mass communication and teaches the fundamentals of writing, design, layout, and production for a variety of social media products. Students produce a variety of publications while learning electronic typography, graphic design, computer imaging layout, and studio preparation. The course will also examine social media's effect on privacy as part of the digital age.

Prerequisite: MC 1000.

**MC 3310 (3)
Photojournalism**

In this course, students can learn principles of photojournalism toward producing quality photographs that communicate accurately and meaningfully. Students use Photoshop software as they learn how to prepare photos digitally for journalistic display in print and online. To better learn photography principles and skills, students use "through-the-lens" 35mm cameras that allow manual exposure to control and scan their film and to convert their photos into digital form.

Prerequisite: MC 1100.

**MC 3700 (3)
Creativity in Mass Communication**

This course brings to light the creative process as it lives in the mass communication industry. Creativity will be explored through major theories and modern research in the field of creativity; through case studies of creative individuals, organizations, and campaigns; and through play with creative elements of expression such as music, art, theatre, story, design, dance, and photography. At the end of this course students will have a foundation of ideation, creative strategy, and creative execution techniques.

Prerequisite: MC 1100.

**MC 3720 (3)
Audience Behavior**

A course on audience behavior that discusses various techniques for profiling target audiences and analyzing decision-making strategies and uses and gratification behaviors. The course explores demographics, psychographics, Values and Lifestyles System, PRISM, and high- and low-involvement decisions. It provides insight essential to advertising, journalism, marketing, and public relations campaign planning.

Prerequisite: MC 1100 or any WC&IL I course.

**MC 3730 (3)
News Media Strategies & Sales**

This course introduces students to research, planning, and relationship development with several media outlets and their representatives who are vital to the development of effective long- and short-term strategic communication

programs and campaigns. It includes lessons on how to evaluate both advertising and news/editorial media, how to plan a media program, how to develop a media plan, how to work with the various media representatives for purchased space or time, and, in other cases, how to work with editorial staff for placement of public relations material. Includes selected media tours.

Prerequisite: MC 1000; recommend sophomore or higher.

MC 3740 (3)

Crisis Communication

This course provides an in-depth study of key aspects of crisis communication and prepares students to anticipate, identify clues, and initiate pre-emptive programs for natural, financial, and personnel disasters and domestic terror threats. The course covers related research, strategic planning, presentations, media relations, government relations, and international relations.

Prerequisite: MC 1000 or any WC&IL I course.

MC 3750 (3)

Special Events Planning

This is a skills-based course designed for students to explore the profession of special event planning, facilitation, execution, promotion, and evaluation with a service learning approach. Students will learn foundational concepts and professional skills of event planning through hands-on application of learned theories. Essential topics learned will include event planning, coordination, strategic sponsorship, programming, marketing, communications, volunteer and vendor management, risk management, event research, and event evaluation.

Prerequisite: MC 1000.

MC 3910 (3)

Selected Topics in Mass Communication

Course title, content, and prerequisites will vary. May be repeated for a total of 9 credits when title and content have changed.

Prerequisite: MC 1100.

MC 4900 (3)

Capstone Experience

This course is the capstone for the Mass Communication BS degree. It prepares students for entry into the professional world of mass communication including advertising, journalism, and public relations and all of the fields included in those general categories. The course guides the students to utilize all of the theories and models of communication, as well as the planning strategies and implementation techniques, in order to develop a strong integrated plan for an existing organization in the Honolulu community.

Prerequisite: Department permission.

MGMT—Management

MGMT 1050 (3)

Writing for Management

The course focus is on improving comprehension, vocabulary, and reading.

MGMT 2000 (3)

Principles of Management

A primer for the manager, this course lays out the underlying process for planning, directing, and controlling organizational resources for accomplishing the goals of the firm. This study of the functions of management includes how to develop a plan, how to organize resources of the firm, how to motivate employees to execute organizational initiatives, and how to set up a feedback system.

Prerequisite: BUS 1000. Undergraduate standing.

MGMT 2050 (3)

Introduction to Personnel Administration

A survey of the selection, training, and placement of personnel. The course features units on: performance evaluation and compensation, counseling and career development, grievances; and disciplinary procedures. Case incidents are employed. Students cannot receive credit for both this course and MGMT 3400.

MGMT 2060 (3)

Office Management

A survey of the principles and problems of office management. Topics include: professionalism; organizing for effective operations; selecting, training, and developing the office work force; handling complaints and grievances; delegation; job expansion and enrichment; office change and automation; and effective decision-making.

MGMT 2300 (3)

Psychology for Supervisors

Applications of psychology for use by supervisors. Course topics include: job design; employee productivity and morale; individual differences in motivation, learning, and perception of work; formal and informal work groups; approaches to organizational development. Cases, exercises, and simulations are employed.

MGMT 2500 (3)

Supervisory Leadership

An exploration of the nature and responsibilities of the supervisor-as-leader. Topics covered include: work environments; technologies and leadership styles; tools for decision-making; supervisory functions; scheduling, staffing, directing, and controlling. Cases, exercises, and simulations are employed.

MGMT 3000 (3)

Management and Organization Behavior

A course that stresses the principles and concepts of general systems theory and human behavior as applied to the management of organizations. Various approaches to systems thinking are explored by the students through case studies and exercises that emphasize substantive theories needed for integrating different disciplines.

Prerequisite: A grade of C- or higher in any WC&IL II course; BUS 1000.

MGMT 3060 (3)

The Legal and Regulatory Context for Managers

This course illustrates how law impacts daily management decisions and business strategies. This includes topics on how managers can use legal knowledge to minimize risk and create value, create solutions to attain business objectives, identify and resolve legal issues, and assist in managing legal disputes that may arise. Students will learn some of the key legal dilemmas that often arise in business and analyze solutions from a manager's perspective by integrating law and management. The relationship between law and business will be illustrated in class lectures, case discussions, experiential activities, and selected readings.

Prerequisite: A grade of C- or higher in any WC&IL II course; BUS 1000 (previously MGMT 1000).

MGMT 3100 (3)

Business in Contemporary Society

This course is a study of concepts, issues, and themes surrounding the dynamic relationship between business and society and their impact and influence on each other. Student's knowledge of business and management are enhanced with a focus on understanding the role and influence of the various business stakeholders, learning about the environmental forces affecting the organization and its stakeholders, and integrating these concepts in formulating

socially responsible business policies and strategies.

Prerequisite: BUS 1000; any WC&IL II course.

MGMT 3110 (3)

Production and Operations Management

An analysis of the optimization of production resources, measurement and evaluation of man-machine systems, and management principles applicable to the technical care of the organization.

Prerequisite: A grade of C- or higher in any WC&IL II course; BUS 1000.

MGMT 3200 (3)

Small Business Management

A basic course in small business and entrepreneurship. The course examines the place and function of small business in the American economy and focuses on principles and problems of establishing, financing, operating, and expanding a small business.

Prerequisite: BUS 1000; any WC&IL II course.

MGMT 3210 (3)

Contemporary Entrepreneurship

A seminar on the nature and dynamics of entrepreneurship. Topics include: conceptualization of "entrepreneurship," its history and affinities as a theory and a phenomenon, the practicalities of risk-taking and the mechanics of success, and the psychology of entrepreneurship.

Prerequisite: MGMT 3200.

MGMT 3220 (3)

Franchising

A comprehensive study of the principal elements of franchising. Topics include: concepts of marketing the franchise; managerial aspects of franchising, to include the overall administrative package of the franchise system; franchising from the franchisee's viewpoint; and the franchise/franchisee relationship. Information is provided through hypothetical business incidents as well as actual case studies.

Prerequisite: MGMT 3200.

MGMT 3230 (3)

Seminar: Small Business Consulting

A Small Business Institute (SBI) program providing practical business and academic experience. The course consists of lectures, weekly meetings, and student consultant teams on small company assignments. A substantial amount of independent work is required.

Prerequisite: Any WC&IL II course. Senior standing.

MGMT 3300 (3)

International Business Management

An introduction to the problems of environment and structure that international managers face. Topics in comparative management and international business operations are covered, and the impact of the multinational firm is analyzed.

Prerequisite: A grade of C- or higher in any WC&IL II course; BUS 1000.

MGMT 3310 (3)

Contemporary Japan-United States Relations

A one-semester course that addresses contemporary social, economic, political, and national security relations between the two most significant powers in the free world. The focus of the course is on the growing interdependency of the two nations and the challenges of managing the relations between these two major powers.

Prerequisite: MGMT 3300.

MGMT 3400 (3)

Human Resource Management

An overview and survey of human resource management and personnel administration. Course topics include: selection, staffing, remuneration, labor relations, training, and development of human resources in organizational environments such as business, government, and not-for-profit agencies.

Prerequisite: BUS 1000; any WC&IL II course.

MGMT 3410 (3)

Public Personnel Administration

A course that considers the contribution of organizational theory to an appreciation of practical personnel problems in public organizations. Representative topics include: socialization and utilization of personnel in public employment, impact of collective bargaining in public bureaucracy, analysis of work methods, organizational behavior, and affirmative action and equal opportunity.

Prerequisite: BUS 1000 or PSCI 3200; any WC&IL II course.

MGMT 3420 (3)

Compensation Management

A survey course examining contemporary concepts and processes for developing, implementing, and managing a compensation system. Topics include: direct and indirect compensation in a total compensation system, governmental regulations, relevant behavioral science theories, and other external social factors affecting compensation.

Prerequisite: MGMT 3400.

MGMT 3421 (3)

Managing Employee Benefit Plans

Students learn to better understand and appreciate the intricacies of employee benefits. It prepares students to administer and evaluate employee benefit plans. Topics include: understanding the environment of employee benefits, health and other welfare benefits, flexible benefits, defined benefit and defined contribution retirement plans, and benefit plan administration and communication.

Prerequisite: MGMT 3400.

MGMT 3430 (3)

Negotiation

A course that reveals the art and science of negotiation through both theory and practice.

Prerequisite: MGMT 3400.

MGMT 3440 (3)

Organizational Change and Development

An exploration of the process of change in organizations and models thereof. The course emphasizes the need for change in the development process. Topics include: overcoming resistance to change; skills in developing change models; and organizational, group, and individual development. Several units are experiential in nature.

Prerequisite: BUS 1000; any WC&IL II course.

MGMT 3441 (3)

Managing Organizational Performance

A course that provides a solid foundation for understanding the new global developments in recent decades that have created ideological and strategic changes for the way organizations operate and are managed. It reviews the principles of QM, including continuous improvement, reengineering, productivity, and customer focus. Traditional and contemporary paradigms of organizational and management practices are analyzed in a perspective of global competition, assets, resource management, and culture.

Prerequisite: MGMT 3400.

MGMT 3442 (3)

Managing Organizational Culture

A course that examines managing organizational culture, one of today's most important leadership challenges. Successful improvements in an organization's performance requires design and implementation strategies appropriate to organizational culture, assets concepts and strategies, goals, and context. Key concepts include: organizational culture; design models for culture; and cultural models for performance management, assessment, and improvement. Discussions and assignments enable the students to assess organizational culture and its influence on models and designs for how people relate and perform in workplaces.

Prerequisite: MGMT 3440.

MGMT 3443 (3)
Designing Organizational Change

Quality management and other contemporary changes required for performance improvement cannot be successful or sustained without changes in the way things get done, i.e., the organizational culture. Students learn to design innovations for organizational culture change. They also develop implementation plans based on the analysis of specific organizational and national culture. Case study data are used to understand effective methods for measuring organizational culture and comparing it to organizational goal attainment.

Prerequisite: MGMT 3440.

MGMT 3444 (3)
Training and Development in Organizations

This course is designed to familiarize students with the training, development, and career management functions in organizations. Course topics include human resource development, the relationship of training to other human resource functions, identifying training needs, maximizing learning, evaluating training programs, and training methods.

Prerequisite: MGMT 3400.

MGMT 3500 (3)
Strategic Planning

An analysis of modern strategic planning, thought, and practice for the manager and of systems approach to planning and decision-making, including management processes, informational support, and public relations evaluation.

Prerequisite: A grade of C- or higher in any WC&IL II course; BUS 1000.

MGMT 3510 (3)
Backgrounds of Business

An analysis of the historical foundations of business, the effects of changes in technology and economic ideas, the implications of modern management practices, and the major responsibilities and opportunities presented by the private enterprise system.

Prerequisite: BUS 1000; any WC&IL II course.

MGMT 3550 (3)
Business Research Methods

Research process and design, data collection, hypothesis testing, and reporting. The course features econometrics and other quantitative applications in business research.

Prerequisite: ECON 2010, 2015; and MATH 1123; Any WC&IL II course.

MGMT 3600 (3)
Natural Resource Management

Sound management principles applied to limited resources such as energy, water, and food.

Prerequisite: A grade of C- or higher in any WC&IL II course; BUS 1000.

MGMT 3650 (3)
Employment and Labor Law for Business

This course addresses law and employment decisions from a managerial perspective. It provides guidelines on how to manage effectively and efficiently with full comprehension of the legal ramifications of their decisions. Students are shown how to analyze employment and labor law facts using concrete examples of management-related legal dilemmas that do not present clear-cut solutions. Topics include a comprehensive survey of employment and labor laws and its impact on management relationships, including the discipline and termination process, employee and employer rights and duties, grievance, and labor management relationships.

MGMT 3700 (3)
Human Resource Planning and Staffing

This course provides an in-depth study of the strategies involved in staffing an organization. The focus is on the creation of competitive advantage through strategic staffing plans, recruitment, and assessment of these challenges. Topics include cost analysis of staffing, turnover analysis, strategic uses and composition of an organization's work force, personnel and performance testing, how to combine procedures and data for personnel decisions, selection and recruitment strategies, selection criteria for staffing multinational companies and overseas assignments, succession planning, and analysis of work force productivity.

Prerequisite: Undergraduate standing.

MGMT 3750 (3)
International Human Resource Management

This course explores the human resource management issues and concepts that exist in the international or global business environment. Students will be introduced to the differences and similarities of human resource systems globally. The course presents the impact of culture, economy, the law, and other factors in contributing to these differences in HR systems to help students' devise effective strategies to managing people in today's global society.

Prerequisite: MGMT 3400. Undergraduate standing.

MGMT 3990 (1 to 3)
Nonpaid Internship

See Internship Section.

MGMT 3991 (1 to 3)
Paid Internship

See Internship section.

MGMT 4000 (3)
Strategic Human Resource Management

An integrated strategic course in the Human Resource Management program. Students will be able to integrate theories and practices learned in other human resource and business courses and explore the linkages between business strategy and HRM. Extensive projects are designed to make students understand and appreciate business strategy and integrate their coursework in HR planning, staffing, development, rewards and compensation, and work systems. This course covers domestic and international issues, as well as organizational change and development.

Prerequisite: MGMT 3650, 3700, and 3750. Undergraduate standing.

MGMT 4001 (3)
Business Policy

One of the capstone courses of the business administration curriculum integrating and building upon the curriculum. The course is designed to guide students in making business policy analyses and decisions through integrating the underlying principles of the functional business areas

(finance, human resource management, management theory, etc.) and continuous reappraisal of objectives and policies. The course employs the case method approach in dealing with the larger questions faced by top management. This course should be taken in the student's final semester in the program. **Capstone course.**

Prerequisite: Academic advisor approval required.

MGMT 4011 (3)
Implementing Organizational Change

MGMT 4021 (3)
Professional Certification Seminar in Human Resource Management

A capstone course for undergraduate students enrolled in the BSBA program with a human resources management concentration, or students earning the BA degree with a major in human resource development. All of the major areas in the HRM field are generally revisited. The course is taught through a combination of lectures, in-class discussions, and experiential exercises that should assist the student in successfully completing the Human Resource Certification Institute (HRCI) examination level of Professional in Human Resources (PHR). NOTE: successfully completing this course will not, in and of itself, guarantee passing the certification examination.

Prerequisite: MGMT 3000, 3400, 3420, and 3440. Senior standing.

MGMT 4632 (3)
Strategic Business and the Web

MGMT 4950 (3)
Human Resource Development Practicum

This course focuses on the practical issues facing the field of training and development. It provides students an understanding of the actual issues that must be addressed in the training and development of people within any organization. In order to accomplish this, students are involved in real or simulated projects requiring the design, implementation, and evaluation of a training program.

Prerequisite: MGMT 3444.

MGMT 4997 (1 to 3)
Directed Readings in Management

Directed individualized readings.

MGMT 6000 (3)
Foundations of Teamwork and Leadership

This course examines essential aspects of group dynamics and their impact on how teams function. Situations causing conflict in groups and the hidden dynamics preventing teams from functioning effectively are examined and solutions to overcome these problems are discussed. Additionally, the seminar surveys various leadership styles, exploring characteristics, effectiveness, and appropriateness of each for different environments and situations.

Prerequisite: Graduate standing.

MGMT 6010 (3)
Production and Operations Management

A course that focuses on elements of operations management by examining: optimum production resources, measurement and evaluation of man-machine systems, and management principles applicable to the technical core of the organization.

Prerequisite: MS 6000. Graduate standing.

MGMT 6020 (3)
The Regulatory and Ethical Environment of Business

This course focuses on ethical responsibilities of managers and

how the legal environment impacts business decisions. Topics include regulations within the functional areas of risk management internally and externally. It covers contemporary cases such as current local and international issues that offer a foundation in ethical thought.

Prerequisite: Graduate standing.

MGMT 6210 (3)
Entrepreneurship

A seminar that investigates current innovative entrepreneurial issues. Topics include: knowledge-based innovation, calculated risk taking, management of economic resources, market planning, social areas of responsibility and ethics, legal issues, portfolio management, and the political aspects of entrepreneurship. A venture/business plan is developed during this course.

Prerequisite: MGMT 6000 and MKTG 6000. Graduate standing.

MGMT 6300 (3)
International Business Management

Despite globalization, local characteristics have a profound influence on international organizations. The course explores the multitude of international business environment factors that affect the cost and timelines of day-to-day operations and global sourcing and reshoring options such as a country's stage of development, global competitiveness rating, and innovativeness.

Prerequisite: MGMT 6000 and MKTG 6000. Graduate standing.

MGMT 6310 (3)
Contemporary Japan-United States Relations

An examination of the contemporary social, economic, political, and national security relations between the two most significant powers in the free world. The focus is on the growing interdependency of the two nations and the challenges of managing the relations between these two major powers.

Prerequisite: Graduate standing.

MGMT 6330 (3)
National Culture and Comparative Management

Societal settings, including culture, influence, and the various management and organizational forms and processes. Theories are presented that explain different approaches in topics such as corporate governance, production systems, and national innovation systems.

Prerequisite: Graduate standing.

MGMT 6350 (3)
Global Markets in Transition

International business opportunities arise in many different parts of the world. This course focuses on an emerging global market that is important for business. The analysis includes looking at patterns of trade and foreign direct investment, market size and consumption patterns, cultural preferences, the influence of government, legal systems, etc.

Prerequisite: Graduate standing.

MGMT 6360 (3)
Global Competition and Strategy

By examining a variety of businesses in both advanced and developing economies, this course probes the ultimate determinants of a nation's or region's productivity, rooted in the strategies and operating practices of locally-based firms, the vitality of clusters, and the quality of the business environment in which competition takes place.

Prerequisite: Graduate standing.

MGMT 6430 (3)
International Negotiations

This course will allow students the opportunity to learn fundamental skills of negotiation and mediation which are applicable across countries and cultures. Learning is accomplished through theoretical understanding, regular practice in simulations, and insight from experts in the field.

Prerequisite: Graduate standing.

MGMT 6990 (1 to 3)

Nonpaid Internship

See Internship Section.

Prerequisite: Graduate standing.

MGMT 6991 (1 to 3)

Paid Internship

See Internship Section.

Prerequisite: Graduate standing.

MGMT 6997 (1 to 3)

Directed Readings in Management

Directed individualized readings. Repeatable for credit.

Prerequisite: Graduate Standing

MGMT 7001 (3)

Strategic Management I

An overview of planning, policy formulation, and methods of strategy development in various types of organizations will be presented. Economics, social, political, technological, and environmental conditions that impact on a firm will be assessed. The development of this plan for a specific organization will become the basis for the course components. **Capstone course.**

Prerequisite: ECON 6000, FIN 6000, IS 6005, MGMT 6000, MKTG 6000, and MS 6000. Graduate standing.

MGMT 7002 (3)

Strategic Management II

One of the major failures of business plans in that they breakdown in the implementation phase. The objective of this course is to provide the student with the knowledge and experience of having to identify those areas in which the plan can fail. The student will design an action plan that shows how to implement the plan inside and outside the organization. The student will present the plan in written and verbal form to the class and then possibly to the organization itself. **Capstone course.**

Prerequisite: ACCT 6000, MGMT 6020 and 7001. Graduate standing.

MIS—Management Information Systems

MIS 2000 (3)

Information Tools for Business

In this hands-on course you will learn to use the tools of a knowledge worker to help you take raw data and transform it into compelling information to be used for business decision making. You will sharpen your analytical and problem-solving skills using spreadsheet and database software. You will also be exposed to the tools and best practices for communicating your information using tables, charts, and graphs. Upon successful completion of this course you will have the basic technical skills to be more productive in your future business courses as well as in an actual business environment.

MIS 3000 (3)

Foundations of Information Systems

Information systems are an integral part of all business activities and careers. This course is designed to introduce students to contemporary information systems and demonstrate how these systems are used throughout global organizations. The focus of this course will be on the key

components of information systems—people, software, hardware, data, and communication technologies—and how these components can be integrated and managed to create competitive advantage. Through the knowledge of how IS provides a competitive advantage, students will gain an understanding of how information is used in organizations and how IT enables improvement in quality, speed, and agility.

Prerequisite: MIS 2000 (can be taken concurrently).

MIS 3020 (3)

Information Systems Project Management

This course introduces the basics of project management in an information systems context. Students will become familiar with the project life cycle and the supporting processes and knowledge areas. Particular emphasis is placed on the foundation principles as well as the latest trends guiding project management in organizations. Students will be introduced to a variety of tools supporting project management.

Prerequisite: MIS 2000 (can be taken concurrently) and any WC&IL II course.

MIS 3050 (3)

Application Development

The purpose of this course is to introduce the students to the fundamental concepts and models of application development so that they can understand the key processes related to building functioning applications and appreciate the complexity of application development. Students will learn the basic concepts of program design, data structures, programming, problem solving, and programming logic and fundamental design techniques for event-driven programs. Program development will incorporate the program development life cycle: gathering requirements, designing a solution, implementing a solution in a programming language, and testing the completed application.

Prerequisite: MIS 2000 (can be taken concurrently) and any WC&IL II course.

MIS 3060 (3)

Systems Analysis and Design

This course discusses the processes, methods, techniques, and tools that organizations use to determine how they should conduct their business, with a particular focus on how computer-based technologies can most effectively contribute the way business is organized. The course covers a systematic methodology for analyzing a business problem or opportunity; determining what role, if any, computer-based technologies can play in addressing the business need; articulating business requirements for the technology solution; specifying alternative approaches to acquiring the technology capabilities needed to address the business requirements; and specifying the requirements for the information systems solution.

Prerequisite: MIS 2000 (can be taken concurrently).

MIS 3065 (3)

Data and Information Management

This course provides an introduction to the core concepts in data and information management. It is centered around the core skills of identifying organizational information requirements, modeling them using conceptual data modeling techniques, converting the conceptual data models into normalized relational data, and implementing a relational database using an enterprise database management system. The course will include coverage of database administration, data quality, security, data warehouse, and business intelligence. In addition, the course helps the students understand how

large-scale packaged systems are highly dependent on the use of DBMSs. Taking MIS 3050 prior to this course is strongly recommended.

Prerequisite: MIS 2000 (can be taken concurrently).

MIS 3070 (3)
IT Infrastructure

This course provides an introduction to IT infrastructure issues for students majoring in information systems. It covers topics related to both computer and systems architecture and communication networks, with an overall focus on the services and capabilities that IT infrastructure solutions enable in an organizational context. It gives the students the knowledge and skills that they need for communicating effectively with professionals whose special focus is on hardware and systems software technology and for designing organizational processes and software solutions that require in-depth understanding of the IT infrastructure capabilities and limitations.

Prerequisite: MIS 2000 and any WC&IL II course.

MIS 4000 (3)
Enterprise Architecture

This course explores the design, selection, implementation, and management of enterprise IT solutions with a focus on applications, infrastructure, and their fit in business. Topics include frameworks and strategies for infrastructure management, system administration, data/information architecture, content management, distributed computing, middleware, legacy system integration, system consolidation, software selection, total cost of ownership calculations, IT investment analysis, and emerging technologies. Addressed from within and beyond the organization, attention is paid to managing risk and security within audit and compliance standards while concisely communicating technology architecture strategies to a general business audience. Taking MIS 3050 prior to this course is strongly recommended.

Prerequisite: MIS 2000 (can be taken concurrently).

MKTG—Marketing

MKTG 3000 (3)
Principles of Marketing

A general introduction to fundamental marketing principles and policies. Course units include: marketing functions; price policies and controls; trade channels, merchandising, and market research; competitive practices and government regulations; product development; and integration of marketing with other activities of the business enterprise.

Prerequisite: BUS 1000; any WC&IL II course.

MKTG 3100 (3)
Consumer Behavior

A course that explores how consumers have changed relating to their purchase behaviors and explore trends for the future. Students learn how to design a winning customer behavior survey and analyze the data. Several state-of-the-art techniques, such as internet research, are discussed to apply survey results to increase customer satisfaction and loyalty, and subsequently sales.

Prerequisite: MKTG 3000; MATH 1123 or 3323.

MKTG 3110 (3)
Market Research

This course examines the fundamental techniques and methods of analysis used to successfully examine product/service potential, consumer sentiment, market saturation, or segmentation. Students present results in a professional manner that will support strategic planning initiatives.

Prerequisite: MKTG 3000; MATH 1123 or 3323.

MKTG 3200 (3)
Product Development

Students are challenged with distinguishing selected products or services to consumers in crowded competitive markets. Methods are then analyzed to manage the brand successfully into the market.

Prerequisite: MKTG 3000.

MKTG 3410 (3)
Integrated Marketing Promotion

Students are introduced to the concepts of promotion strategy and management as a part of the marketing mix. The course develops the understanding of various domestic and international strategy and management procedures and issues underlying marketing promotion. Topics include the basic elements—strategy, planning and management of promotion, and integrated marketing communication—explored through current trends, models, theories, structures, and protocols in the marketing process.

Prerequisite: MKTG 3000. Undergraduate standing.

MKTG 3420 (3)
International Marketing

A course that focuses on problems and issues in: marketing management; strategic planning; research and analysis; advertising; and product distribution in international business.

Prerequisite: MKTG 3000.

MKTG 3500 (3)
Web Advertising

A survey of advertising theory, techniques, and applications. Topics include: targeting specific markets, deciding on particular advertising strategies and media, applicable communication theory, management and evaluation of advertising campaigns, the technical aspects of layout and design, and writing copy.

Prerequisite: MKTG 3000.

MKTG 3520 (3)
Sales Force Management

Principles of selling and salesmanship. Selling techniques, the social psychological principles of persuasion, and pertinent facets of interpersonal communication are analyzed. Instruction includes lectures, discussions, and the application of relevant principles and techniques.

Prerequisite: MKTG 3000.

MKTG 3600 (3)
Guerilla Marketing

Certain situations and products often require extraordinary initiatives. The basic marketing process is reviewed with an eye toward understanding when and how tactical disruptions can be effective means of presenting unique products and services. Case studies are a cornerstone of the course.

Prerequisite: MKTG 3000.

MKTG 3610 (3)
Sports Marketing

With sports marketing a multibillion-dollar-a-year business, marketers need to pay special attention to the media coverage, general marketing mix, public relations, visual communications, pricing strategy, and merchandise connections that are relevant in this expanding industry. The course uses both text and cases for reference.

Prerequisite: MKTG 3000.

MKTG 3620 (3)

Services Marketing

Unlike manufacturing, services are processes that involve customers in their production. This calls for a whole new method of analyzing producer-consumer interactions. Services account for almost 70 percent of the U.S. GDP and over 75 percent of its non-farm jobs yet are rarely studied as a separate subject. This course studies the nature of services as products, their pricing, promotion, and placement strategies. Course work includes case studies, class discussions, and primary research for a written project.

Prerequisite: MKTG 3000.

MKTG 3630 (3)

Global Distribution and Supply Chain Marketing

The study of the principles and function of retailing and retail management. The course features analysis of various fundamental problems in retailing, location, and layout; merchandise planning; buying and selling organizations; expense analysis and control; and coordination of store activities.

Prerequisite: MKTG 3000.

MKTG 3700 (3)

Electronic Marketing

A course that discusses the technique and tools used by marketers to harness the marketing potential of the internet. Current methods of incorporating online marketing into the overall strategy of a business are analyzed, including the use of the internet for customization, personalization, real-time pricing, and customer relationship management.

Prerequisite: MKTG 3000.

MKTG 3710 (3)

Data Base Marketing

A course that discusses the technique and tools used by marketers to harness the marketing potential of the internet. Current methods of incorporating online marketing into the overall strategy of a business are analyzed, including the use of the internet for customization, personalization, real-time pricing, and customer relationship management.

Prerequisite: CSCI 3201 and MKTG 3000.

MKTG 3950 (1 to 7)

Practicum

MKTG 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

MKTG 3991 (1 to 3)

Paid Internship

See Internship Section.

MKTG 4000 (3)

Integrated Marketing

An introduction to the incorporation of marketing strategy within a business with the focal discussion point being the customer and the marketing mix (product, price, promotion, placement). Internal and external factors impacting an organization's marketing strategy are explored.

Prerequisite: MKTG 3000.

MKTG 4100 (3)

Customer Relationship Marketing

A vast repertoire of techniques for maximizing customer satisfaction and, thereby, establishing the long-run relationship with the business/service are examined. Businesses and service organizations which are particularly noted for their service are examined and benchmarked. Analysis is conducted with regard to cost and benefits of enhancing customer service.

Prerequisite: MKTG 3000.

MKTG 4400 (3)

Marketing Management

A basic "marketing for managers" course, providing for discussion and solution of problems and current issues involving product strategy, pricing, distribution, promotion, and marketing research from a management viewpoint. Emphasis is on social and economic responsibilities for the marketing function.

Prerequisite: MKTG 3000.

MKTG 4410 (3)

Advertising Management

MKTG 4950 (1 to 6)

Practicum

MKTG 4997 (1 to 3)

Directed Readings in Marketing

Directed individualized readings.

MKTG 6000 (3)

Marketing Strategy for Managers

A marketing systems course using the case-study method and designed to provide a comprehensive orientation to both marketing theory and practice. Various contemporary problems and solutions in marketing are covered from the perspective of the marketing manager. Major units of study include: the marketing mix; the legal environment; pricing strategy; research and analysis; the marketing information system; product/service promotion; distribution channels; consumer behavior; and strategy implementation.

Prerequisite: Graduate standing.

MKTG 6100 (3)

Global Consumer

This course will target the consumer with access to the global market place. The course will focus on the changing demographics of the consumer. In addition, the impact of technology and changes needed in promotion strategy will be addressed. Students will conduct comparative studies as part of the course requirements.

Prerequisite: MKTG 6000. Graduate standing.

MKTG 6110 (3)

Market Research

A distinctive marketing perspective on strategic management issues, building on the functional foundations of marketing. The course covers the basic methods of analysis such as life cycle, experience curves, profit impact on market strategies (PIMS), portfolio models, and decisions support systems that help support the strategic planning process.

Prerequisite: MKTG 6000 and MS 6000. Graduate standing.

MKTG 6200 (3)

Strategic Brand Management

This course examines the product management process from the perspective of the brand manager. It covers the strategic product decisions which must be made in the areas of: (1) the development and introduction of new products/brands—from the idea of commercialization; (2) the marketing of existing brands, with emphasis on building, managing, and leveraging brand equity; and (3) the marketing of product modifications, product line extensions, brand extensions, and product deletions.

Prerequisite: MKTG 6000. Graduate standing.

MKTG 6310 (3)

Sales Force Management

This course provides an understanding of the unique decisions regarding the organization and deployment of a sales force and the role of selling in a firm's overall marketing strategy. Beginning with an overview of professional selling concepts, the course proceeds to the discussion or prospecting, determining customer wants and needs, making sales presentations, overcoming objections, and closing the sale. The managerial components of the course include time and territory management, recruiting and training salespeople, sales forecasting, motivating and leading the sales force, and compensating and evaluating salespeople.

Prerequisite: MKTG 6000. Graduate standing.

MKTG 6410 (3)

Marketing Promotion Management

Students are acquainted with the concepts of advertising management. The course develops the understanding of various domestic and international management procedures and issues underlying the management of advertising. Topics include planning and managing, environmental and legal issues, and the social and economic effects of advertising. Case studies and contemporary examples are used.

Prerequisite: MKTG 6000. Graduate standing.

MKTG 6420 (3)

International Marketing

A seminar exploring the nature and environment of international marketing with an analysis of international opportunities. Strategies for production, distribution, promotion, and pricing in overseas markets are studied within a framework of the constraints and advantages of international marketing, economic, and cultural systems.

Prerequisite: MKTG 6000. Graduate standing.

MKTG 6700 (3)

Electronic Marketing

This course examines the impact of the internet on current marketing theory and practice. Of particular interest are the opportunities information technology offers for interacting with customers and business partners. Business models and strategy are discussed from the perspective of both business-to-business and business-to-consumer marketing. To keep abreast of emerging technology, the course has a strong application tone with hands-on web activities and projects.

Prerequisite: MKTG 6000. Graduate standing.

MKTG 6990 (1 to 3)

Nonpaid Internship

See Internship Section.

Prerequisite: Graduate standing.

MKTG 6991 (1 to 3)

Paid Internship

See Internship Section.

Prerequisite: Graduate standing.

MKTG 6997 (1 to 3)

Directed Readings in Marketing

Directed individualized readings. *Repeatable for credit.*

Prerequisite: Graduate standing.

MS—Management Science

MS 6000 (3)

Decision Models for Managers

This course introduces multivariate data analysis, forecasting, and management science techniques as they are applied to managerial decision making. Applications will be drawn from the production, service and planning context, as well as distribution and transportation, to demonstrate how optimization and simulation models can improve the performance of an organization.

Prerequisite: MATH 1123 or equivalent. Graduate standing.

MS 6997 (1 to 3)

Directed Readings in Management Science

Directed individualized readings. *Repeatable for credit.*

Prerequisite: Graduate standing.

MSL—Military Science

MSL 1000 (1)

Introduction to Physical Fitness

Hands-on participatory course following the Army's physical fitness program. Classes conducted three days per week with Army ROTC cadets. Focus is on aerobic conditioning, muscular strength, and endurance.

MSL 1010 (2)

Introduction to Military Science I

Introduces cadets to personal challenges and competencies critical for effective leadership; personal development of life skills such as goal setting, time management, physical fitness, and stress management related to leadership, officership, and the Army profession. Focus on developing basic knowledge and comprehension of Army leadership dimensions while understanding the ROTC program, its purpose in the Army, and its advantages for the student.

MSL 1011 (1)

Introduction to Military Science I Lab

Practical application in adventure training, one-rope bridges, rifle marksmanship, land navigation, drill and ceremonies, physical training.

Co-requisite: 1010.

MSL 1020 (2)

Introduction to Military Science II

Overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Explores leadership values, attributes, skills, and actions in the context of practical, hands-on and interactive exercises. Cadre role models and building stronger relationships among cadets through common experience and practical interaction are critical.

MSL 1021 (1)

Introduction to Military Science II Lab

Practical application in adventure training, one-rope bridges, rifle marksmanship, land navigation, drill and ceremonies, physical training.

Co-requisite: 1020.

MSL 2010 (3)

Intermediate Military Science I

Explores creative and innovative tactical leadership strategies and styles through historical case studies and engaging in interactive student exercises. Cadets practice aspects of personal motivation and team building by planning, executing, and assessing team exercises. Focus is on continued development of leadership values and attributes through understanding of rank, uniform, customs, and courtesies.

MSL 2020 (3)

Intermediate Military Science II

Challenges of leading complex, contemporary operational environments. Dimensions of cross-cultural challenges of leadership in a constantly-changing world are highlighted and applied to practical Army leadership tasks and situations. Cadets develop greater self-awareness as they practice communication and team building skills and tactics in real world scenarios. Provides a smooth transition to MSL 3010.

MSL 2030 (6)
ROTC Basic Camp
Four-week summer course conducted at Ft. Knox, Kentucky. Substitutes for ROTC basic course (1010, 1020, 2010, and 2020) and fulfills course requirement for admission to ROTC advanced courses. Credit will be given for 2030 or basic courses, but not both.
Prerequisite: Consent.

MSL 3010 (4)
Leading Small Organizations I
Challenges cadets to study, practice, and evaluate adaptive leadership skills and demands of ROTC Leader Development Assessment Course (LDAC). Challenging scenarios related to small unit tactical operations will develop self-awareness and critical thinking skills. Cadets will receive systematic, specific feedback on their leadership abilities and analyze/evaluate their leadership values, attributes, skills, and actions. (2 lecture, 2 hours lab)
Prerequisite: MSL 2020 or consent.

MSL 3020 (4)
Leading Small Organizations II
Intense situational leadership challenges to build cadet awareness and skills in leading small units. Decision-making, persuading, and motivating team members under fire are explored, evaluated, and developed. Military operations are reviewed to prepare for the ROTC LDAC. Cadets apply principles of Law of Land Warfare, Army training, and motivation to troop leading procedures; and are evaluated on what they know and do as leaders. (2 lecture, 2 hours lab)
Prerequisite: MSL 3010 or consent.

MSL 3030 (6)
ROTC Advanced Camp
Six-week summer field training exercise conducts at Fort Lewis, Washington. Arduous and intensified leadership training is conducted throughout the six-week period. Required for U.S. Army commissioning.
Prerequisite: 3010, 3020, and consent.

MSL 3910 (3)
History of Military Warfare
Lecture/discussion on the art and science of warfare with concentration on U.S. military history from the Colonial Period onward. Generally restricted to Army ROTC students, with few exceptions to non-ROTC students. A-F only
Prerequisite: Consent.

MSL 3990 (1 to 9)
Directed Reading and Research
Limited to military science students who have had at least one previous military science course for which a grade of B or higher was earned and a cumulative GPA of 2.0 or better.
Prerequisite: Consent.

MSL 4010 (4)
Leadership Challenges and Goal Setting
Develops proficiency to plan, execute, and assess complex operations; function as a staff member; provide leadership performance feedback to subordinates. Situational opportunities to assess risk, make ethical decisions, and provide coaching to fellow ROTC cadets; challenged to analyze, evaluate, and instruct younger cadets. (2.5 Lecture, 1.5-hours lab).
Prerequisite: MSL 3060 or consent.

MSL 4020 (4)
Transition to Lieutenant
Explores dynamics of leading in complex situations of current military operations. Examines differences in customs and

courtesies, military law, principles of war, and rules of engagement in the face of international terrorism. Interaction with non-government organizations, civilians on the battlefield, and host nation support are examined and evaluated. Case studies, scenarios, and "What Now, Lieutenant?" exercises prepare cadets to lead as commissioned officers in the U.S. Army. (2.5 Lecture, 1.5-hours lab)
Prerequisite: MSL 4010 or consent.

MSL 4990 (1 to 8)
Advanced Military Research
Directs the student to conduct detailed research on a military topic and present to the department leadership plus assist MSL-4000-series students on a battle analysis. Repeatable up to eight credits. Must be in Military Science and Leadership Program or Military Service member in junior or greater standing.
Prerequisite: Department approval.

MULT—Multi Media

MULT 1050 (3)
Point, Shoot, Edit
This course introduces still photography, videography, and nonlinear digital editing to beginners or those seeking to improve their production and editing skills. Instruction provides students with the technical knowhow and context necessary to set up a production shoot, operate an HD/SLR camera in still and video modalities, record sound, and edit with digital, nonlinear software. Students will create original intellectual property and build digital portfolio material. The use and purpose of the static and moving image, composition, color, lighting and proxemics will be explored through in-class instruction and home-based experimentation.

MULT 1100 (3)
Foundations of Multimedia Production
This course introduces foundational software tools and writing systems used in modern multimedia communication and design. Instruction provides students with the technical know-how and context necessary to proceed in the multimedia program through software tutorials as well as the creation of physical and web-based portfolio material. The use and purpose of the static image, composition, color, fonts, and motion graphics will be explored through in-class instruction and home-based experimentation.

MULT 2000 (3)
Global Cinema Studies
This course provides an overview of the foundational elements of cinema studies, covering the technical, historical, and theoretical aspects of the field. Subjects we will survey include cinematography, editing, production design, primitive and classical cinema, the function of genre, avant-garde, and documentary film. Components emphasized include the language of film studies and the early history of film.
Prerequisite: Any WC&LL II course.

MULT 2060 (3)
Modern Media Systems
This course explores the history of the media, the technology, regulations, programming, ratings, the international scene, sales and advertising, and the audience and its effects.
Prerequisite: Any WC&LL II course.

MULT 2460 (3)
Graphic Design Studio
In this course, students learn graphic design principles and desktop publishing concepts and skills and design

materials for their portfolio efforts, including advertisements, letterheads, logos, brochures, flyers, newsletters, posters, and pamphlets. Students receive instruction on the use of Adobe InDesign, Photoshop, and Illustrator software, and other pertinent programs to complete class projects. Principles of good design (emphasis, sequence, proportion, balance, and unity) will be taught as well as principles for the use of typography, color, photography, etc., in publishing.

Prerequisite: CSCI 1011, 1041, or MULT 1100. Undergraduate standing.

MULT 2465 (3)
Motion Picture Production

This course provides an introduction to digital video and audio production concepts and techniques. Theory is integrated with practical applications in motion picture analysis, video capture, lighting, audio production, and nonlinear editing. The course focuses on developing visual storytelling skills and fosters individual responsibility for course projects and deliverables in a collaborative environment.

Prerequisite: A grade of C- or higher in any WC&IL II course; MULT 1100. Undergraduate standing.

MULT 3360 (3)
Writing for New Media

A course that focuses on the skills and style necessary for creating a variety of messages for radio, television, and new media.

Prerequisite: COM 1200, or MULT 2060; any WC&IL II course.

MULT 3400 (3)
Design Systems and Portfolio

Students assemble their own graphic design portfolio as they complete design projects toward print and digital display. Students use Adobe InDesign, Photoshop and Illustrator software, amongst other tools, to complete course projects. Theories and concepts of design, visual communication, audio, typography, and use of color are expanded upon in this course.

Prerequisite: MULT 2460.

MULT 3470 (3)
TV Studio Production

An introduction to the skills required in television studio production. Areas covered will include filming and composition, continuity, character and theme development, and denouement. Samples of these elements will be presented to students in the form of video presentations and demonstrations. Students will learn to identify the complex functions of a variety of video, audio, and lighting equipment. They will perform as professionals and learn how to produce, direct, and crew live studio productions.

Prerequisite: MULT 3360 or 3465. Undergraduate standing.

MULT 3475 (3)
Web Interface and Design

Lecture-lab combined course exploring theories of design and providing a basic introduction to the production and publication of multimedia web content. Students will incorporate theory, interface design, and advertising consideration to create projects ready for web publication.

Prerequisite: MULT 2460.

MULT 3480 (3)
Digital Imaging

This course offers instruction in PhotoShop. Images are created for the internet and print daily. Students will learn the software and also the concepts of developing graphics that create aesthetically digital images for print. Students gain

real-life experience by creating digital illustrations for publication in the HPU newspaper, *The Kalamalama*.

Prerequisite: MULT 2460 and 3470.

MULT 3490 (3)
Motion Graphics

Motion graphics are a key component to moving visual images as seen on the internet and television. Many documentaries and commercials make use of the software: After Effects. Panning the still image to create the illusion of movement, animating typefaces as they are superimposed over video, and creating a 3-D space using cameras and lights within the software are examples of some of the skills taught. Students complete assignments that reinforce software skills and demonstrate creativity.

Prerequisite: MULT 2460 and 3480.

MULT 3500 (3)
Cinematography Workshop

This course covers the fundamentals of cinematography. Students will meticulously review the functions of the single-lens reflect still camera and the digital video camera. By the end of this course, students will understand the cornerstones of photography and cinematography. Students will address the quality and manipulation of light, shadow, color, and composition while working with various cameras and attendant technology. Students will be able to artistically manipulate the camera's capabilities and lighting to create images which achieve course and student creative goals.

Prerequisite: MULT 2465.

MULT 3510 (3)
Non-linear Audio-Visual Editing

This course covers the history, theory, and practice of digital non-linear editing. It concentrates on both the technical skills needed to produce a competently-edited audio-video program and the aesthetic concerns an editor faces for different types of projects.

Prerequisite: MULT 1050 or 1100. Undergraduate standing.

MULT 3560 (3)
Documentary Production

This project-based course explores documentary production from a hands-on experiential perspective. Designed to expand on the knowledge acquired in MULT 2465 Motion Picture Production, students must write, produce, direct, and digitally edit fact-based documentary projects. Along with production, the course covers the theory, history, and scriptwriting of documentaries.

Prerequisite: MULT 3465 or WRI 3320.

MULT 3600 (3)
Creative Narrative Production

Creative Narrative Production will strengthen the student's cinematic storytelling abilities through the creation of several short digital-video productions and a short screenplay. This class is designed to encourage an organic exploration of storytelling, strengthen trust in one's own ideas and instincts, and heighten student curiosity about human nature and the world at large. The heart of the course involves exploration of visual language on a practical level while keeping in mind our technical, epochal, and cultural contexts.

Prerequisite: MULT 2465; WRI 3320.

MULT 3651 (3)
Game Design

An introduction to the many types of computer game design. This course reviews the design and theory behind classic games such as Tetris and Space Invaders and genre creators such as SimCity and Civilization, as well as modern techniques behind sophisticated games such as Quake, Grand Theft Auto, and Red Dead Redemption. Students get

hands-on experience designing 2-D games in JavaScript/HTML5 and 3-D games in systems such as the Unreal Engines. Course also briefly covers interactive narrative text adventures, mobile games, and game artificial intelligence.

Prerequisite: MULT 3475.

MULT 3675 (3)

Advanced Web Design

This course covers the design of dynamic and highly-interactive web sites as corporate identity and communication tools. Particular attention is paid to combining visual appeal and functionality as well as incorporating multimedia modules such as audio and video to enhance media richness. Introductory and intermediate skill levels of Flash are addressed.

Prerequisite: MULT 2460 or 3475.

MULT 3700 (3)

Radio and Audio Production

A lecture-laboratory course that includes basic issues in radio broadcasting, an overview of station operations, planning, FCC rules and regulations, script preparation, production, and guest lectures.

Prerequisite: Any WC&IL II course; MULT 2060

MULT 3750 (3)

Motion Graphics and Compositing

This course covers motion graphics and compositing using Adobe After Effects and other related software. The course instructs students in how to learn to use one's creativity to produce attention-grabbing, integrated communication design for film, television, and the web. Motion graphics are responsible for many effects found in movie trailers, opening film credits, television commercials, animated network identities, short promos, and advertising of all types.

Prerequisite: MULT 2460 and 2465.

MULT 3780 (3)

Global Documentary

Global Documentary Filmmaking offers students the opportunity to create a documentary in a location outside of O'ahu. Students will experience cross-cultural awareness and collaboration as they produce a digital audio-visual documentary. The theme and location of the documentary project will vary from offering to offering, but in general the production and narrative will be grounded on intercultural communication and goodwill vis-à-vis the host cultures and location.

Prerequisite: MULT 1100.

MULT 3910 (1 to 3)

Selected Topics in Multimedia

Course title, content, and prerequisites will vary. May be repeated for a total of 9 credits when title and content have changed.

Prerequisite: Undergraduate standing.

MULT 3950 (3)

Contemporary Cinema Studies

This course explores current trends in cinematic studies. Critical methods including psychoanalytic studies, cognitive approaches, auteur theory, Lacanian analysis, and postmodernism will be utilized to analyze films from the last forty years. Students will be able to distinguish between different critical approaches and creatively apply contemporary theory.

Prerequisite: MULT 2000.

MULT 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

MULT 3991 (1 to 3)

Paid Internship

See Internship Section.

MULT 4010 (3)

Postproduction Studio

This course allows multimedia students to focus on nonlinear projects currently in postproduction. Students use cinematic, motion graphics, and narrative skills to produce advanced mixed media artifacts. The course gives students the opportunity to develop projects and refine their editing, color-correction, and audio skills while enhancing professional portfolios and demo reels. *Course may be repeated one time for a total of 6 credit hours.*

Prerequisite: MULT 3600 or MULT 3750.

MULT 4100 (3)

Visual Culture and Media Theory

This course surveys contemporary media theory, develops critical media analysis skills, and serves as a gateway course to advanced work in critical, literary and communication studies. The course requires students to actively engage with ongoing changes in how meaning circulates through visual culture. Students are required to address a broad spectrum of theoretical models and applications as they engage in analysis of film, TV, the internet, and other audio-visual artifacts.

Prerequisite: MULT 2000 and 2060.

MULT 4100 (3)

Visual Culture and Media Theory

MULT 4100 Visual Culture and Media Theory is an advanced critical-media-studies course, a capstone for the Critical Media Studies major, and an elective in the Multimedia Cinematic Production degree program. Critical analysis of media culture demands engagement across a broad spectrum of theoretical models and applications. This course surveys contemporary trends in media theory and guides students in research methods and interdisciplinary approaches to visual and mediated culture. As a capstone, the course provides an opportunity for students in the CMS major to reflect upon their course of study in the major.

Prerequisite: MULT 2000 or COM 3260; and ENG 2301 or 3330.

MULT 4590 (3)

Feature Film Screenwriting

Feature Film Screenwriting introduces long form narrative screenwriting for the cinema. Students in this course will study narrative design and screenwriting techniques. The course is project-oriented, and the final deliverable is a feature-length narrative screenplay. The course explores story structure, synopsis, step-outline, treatment writing, character development, characterization, plot strategy, narrative theory, screenplay format, building scenes, genre analysis, subplot, dialogue, future-building, and other screenwriting techniques and conventions. Participants will engage in a rigorous process of close textual analysis of their own and other screenplays. The course encourages the screenwriter to write about things they know and care passionately about.

MULT 4702 (3)

Mobile Design

An introduction to interface and application design for mobile platforms such as smartphones, iPads, and tablets. This course will review the general interface design and prototyping process, with special focus on the restricted

mobile environment. A significant portion of the course is organized around critical engagement with the latest academic and design literature in the field. This course will at times include joint projects with students in the mobile application programming course, CSCI 4702.

Prerequisite: MULT 3475.

MULT 4900 (3)

Multimedia Seminar

This capstone course allows multimedia students to use acquired design, cinematic and narrative skills to produce advanced mixed media projects. The course gives students the opportunity to develop and refine their professional portfolios and demo reels. Graphic design, web design, writing, and interactive skills will be tested and challenged as students design their final baccalaureate projects.

Course may be repeated one time for a total of 6 credit hours.

Prerequisite: MULT 3600 or MULT 3750.

MUS—Music

MUS 1000 (3)

Introduction to Western Classical Music

An introductory exploration of the evolution of Western classical music (WCM) from the Middle Ages to the present in relation to the background of life and art. Major historical movements in WCM are covered as well as the basics of reading western music notation. In addition, the impact and influence of non-western music on WCM will be examined. Field trips will be made to local performing groups.

MUS 1400 (3)

Music Fundamentals I

An introduction to the fundamental workings of tonal music: reading and notating music; rudiments of music theory and terminology; elementary formal analysis; development of aural skills, including interval recognition, sight-singing, and rhythmic, melodic and harmonic dictation. Individual listening lab work required outside of class.

MUS 1600 (1)

Beginning Hula Performance

Beginning Hula Performance enables students to develop proficiency in basic hula movements and perform chants and hula of Hawai'i. Students will express their dance and vocal talents through hula and chant, develop an appreciation for the stories and beloved places of Hawai'i, and learn about the performance practices and traditions of hula. Performance venues may include campus events and shows for the wider community. This course is repeatable for credit

MUS 1710 (1)

International Chorale

International Chorale is designed to enable students to perform choral repertoire from multiethnic sources. The course will provide a way for students to express their vocal talents. Performing venues include campus events as well as concerts in the broader community. Special attention will be taken to develop healthy vocal production and basic music reading skills. An audition is required.

MUS 2101 (3)

Music in World Culture

A course that deals with a wide variety of musical traditions from around the world, including classical, folk, and popular. Students learn to differentiate between different types of music and often have the opportunity in hands-on sessions to play instruments from around the world such as the Chinese *luogu* (percussion ensemble).

Prerequisite: Any WC&IL I; may be taken concurrently.

MUS 2400 (3)

Music Theory I

Music Theory I is the study of music notation, the basic principles of part-writing (voice leading chord progression), and music form and analysis. Students will develop skill in note and chord recognition, scales, intervals, and melodies. Integral to the course are the development of skills in music reading, ear-training, sight-singing, and melodic and harmonic dictation. A required course for students enrolled in the Music Minor curriculum.

Prerequisite: MUS 1400 or consent of instructor.

MUS 3010 (3)

Jazz History

An introduction to the evolution of jazz, from its roots in West Africa, on the journey through New Orleans, and to its eventual development into what many now consider "America's classical music." Social and cultural factors contributing to the music's growth will also be examined. The course identifies major figures who helped shape the future of jazz, as well as important trends and stylistic developments. Field trips will be made to live performances.

Prerequisite: Any WC&IL II course.

MUS 3030 (3)

History of American Musical Theater

History of American Musical Theater is a survey course that examines the history and masterworks of musical theater, beginning with the birth of opera but focusing on musicals in the United States. The course will consist of lecture/discussions, guided and independent listening, a course paper, and periodic examinations.

Prerequisite: Any WC&IL II course.

MUS 3100 (3)

Theater Music of the World

Theater Music of the World is an ethnomusicology course with an emphasis on theater. Modern and historical musical theatre traditions are examined through a sight-and- sound exploration of cultures throughout the world such as Japanese Noh drama and Kabuki theatre, Chinese Jingju opera, Indian Kathakali theatre, Indonesian dance drama and puppet theatre, Western opera, Broadway musicals, and so forth. In addition, the impact and inter-influence of non-western music and western operatic music will be examined.

Prerequisite: Any WC&IL II course.

MUS 3210 (1 to 2)

Applied Music

Applied Music consists of private or group lessons on a musical instrument or voice with a faculty member of the Arts, Humanities, and Languages Department for academic credit. Students must furnish their own instruments, except piano. Students will be evaluated on their level of improvement. Other means of earning applied music credit(s) include choosing one of the following: 1) attend and perform at recitals; 2) attend and perform at a joint concert with performance ensembles; 3) attend a performance and write a concert report; 4) write a research paper with a topic from an applied professor.

Prerequisite: MUS 1400 or consent of instructor.

MUS 3700 (1)

Sea Warrior Band

Intensive training in ensemble and instrumental (classical and jazz) band repertoire. Performing venues may include campus events and performances around the state, U.S. mainland, and abroad. Repeatable for credit.

Prerequisite: An audition is required.

MUS 3710 (1)

International Vocal Ensemble

Intensive training in ensemble and choral singing. Enables students to perform choral repertoire from multiethnic sources. Explores choral music from historical and cultural perspectives. Performing venues may include campus events and performances around the state, U.S. mainland, and the world. Special attention devoted to developing healthy vocal production and improving music reading skills. Repeatable for credit. An audition is required.

MUS 3720 Chamber Orchestra (1)

Intensive training in ensemble and instrumental (classical) orchestral repertoire. Performing venues may include campus events and performances around the state, U.S. mainland and abroad. Repeatable for credit. An audition is required.

MUS 4000 Topics in Music (3)

Course is designed as an exploration of music topics in music history, music literature, music theory, applied music, music education, and ethnomusicology. The topic will change each time the course is offered.

Prerequisite: Any WC&IL II course.

NSCI—Natural Sciences

NSCI 1000 Freshman Science Seminar (1)

An introduction to all aspects of majoring in College of Natural and Computational Sciences degree programs. Students learn how to take responsibility for their academic progress by learning how to plan course schedules and succeed in science courses. Career and graduate school information is also covered. Students participate in service learning project sponsored by science-related student organizations.

NSCI 2000 “Lessons” for Building Sustainable Communities (3)

This course will allow students to develop critical thinking skills in a real-world environment. Students will refine these skills by addressing concrete community concerns through hands-on problem solving and through the application of a science-based approach to generate evidence-based sustainable solutions. This course will involve team problem solving and mentoring by upper-division students (see NSCI 3000). This course is designed to introduce students to investigating the sustainability of the HPU and local Hawai'i communities and to identifying potential solutions to the problems these communities face.

NSCI 2100 Biotechnology: Problems and Solutions (3)

Biotechnology uses biological principles or products to solve problems or produce valuable commodities. This course will cover the basic scientific principles involved and give non-science majors the knowledge and vocabulary they need to appreciate and evaluate the benefits and risks of biotechnology. Students will develop their ability to evaluate the competing influences and range of consequences involved in different types of biotech problems and solutions and to explore their own ethical and moral values and choices in these areas.

Prerequisite: Any WC&IL I course.

NSCI 3000 Building Sustainable Communities (3)

This course will allow students to develop critical thinking skills in a real-world environment. Students will have an opportunity to refine these skills by addressing concrete community concerns through hands-on problem solving and the

application of a science-based approach to generate evidence-based sustainable solutions. This course is designed to draw students into investigating the sustainability of the HPU and local Hawai'i communities and, in perceiving the problems these communities face, to work with them to develop sustainable solutions for their concerns.

Prerequisite: A grade of C- or higher in any WC&IL II course.

NSCI 3950 Natural Sciences Practicum (1 to 3)

An introductory research experience for students interested in working on special topics under the direction of a science faculty mentor.

NSCI 6110 Graduate Seminar I (2)

Graduate students develop skills and strategies for independent research. Students may attend scientific seminars at HPU or other venues as appropriate and prepare a written and oral presentation of their proposed thesis research. **Capstone course.**

Prerequisite: Graduate standing.

NSCI 6112 Graduate Seminar I (1)

This course is a continuation of NSCI 6110 Graduate Seminar I. The course is designed to help graduate students plan their thesis research project by writing a detailed proposal outlining their proposed research projects. This will include describing a problem, developing a testable hypothesis, designing a sampling and analytical plan, and developing a time-line for data collection and analysis.

Prerequisite: NSCI 6110 Graduate standing.

NSCI 6120 Graduate Seminar II - Thesis Presentation (1)

MSMS students attend scientific seminars at HPU or other venues as appropriate, evaluate scientific styles, practice presentation techniques, and present a seminar on their completed thesis research. **Capstone course.**

Prerequisite: NSCI 6110. Graduate standing.

NSCI 6130 Communicating Marine Science (2)

This course is designed to give graduate students the skills necessary to communicate foundational scientific concepts and specific details of their research to diverse audiences in both oral and written format. To this end, students will practice their written and oral communication skills by completing in-class activities and written assignments.

NSCI 6450 Teaching Undergraduate Science (3)

An introduction to the pedagogy of science teaching, including lesson planning, assessment, technology, and inquiry-based methods. The modern college classroom is high tech, experiential, and flexible, to match the needs of modern students. Engagement in classroom technology and field experiences will be used to introduce students to a diversity of teaching approaches.

NSCI 6900 Master's Research (1 to 6)

MSMS students do research towards their thesis under the supervision of a research mentor, contributing to the initial research proposal or to the master's thesis. Variable credits. **Capstone course.**

Prerequisite: Graduate standing.

NSCI 7000 Master's Thesis (1 to 3)

This course serves as a capstone course for the MSMS program. Students enrolled in this course will work closely with the instructor to improve their scientific writing skills. During this course students will develop a written thesis that describes their research in standard scientific format. Students are expected to enroll in this course after a majority of their thesis research is completed and as approved by the student's thesis committee. **Capstone course.**

Prerequisite: Graduate standing.

NUR—Nursing

NUR 2710 (4)

Pathopharmacology

This course applies pathophysiology and pharmacology concepts to the understanding of alterations in body processes leading to disease and disorders. Major drug classes and principles of pharmacodynamics and pharmacokinetics are presented with specific application to nursing care guided by the nursing process.

Prerequisite: Admission to the Bachelor of Science in Nursing Major.

NUR 2720 (3)

Foundations of Professional Nursing

This course introduces students to the values, knowledge, and skills essential for safe, evidence-based professional nursing practice. The theoretical foundations of basic nursing practice are presented. An introduction to the nursing process provides a decision-making framework to assist students in developing critical thinking and beginning priority-setting skills.

Prerequisite: Admission to the Bachelor of Science in Nursing Major.

NUR 2721 (3)

Foundations of Professional Nursing Clinical/Lab

This course engages students in the application of theory and knowledge to the technical and clinical decision-making skills that are essential for safe, evidence-based professional nursing practice. Clinical and experiential learning laboratory activities provide opportunity to apply foundational nursing concepts to the care of adults in a variety of settings.

Prerequisite: Admission to the Bachelor of Science in Nursing Major.

NUR 2730 (3)

Health Assessment and Promotion

This course introduces students to physical assessment and interviewing skills as well as the principles of health teaching and health promotion. Emphasis is placed on promoting health behaviors consistent with a client's health beliefs and an integration of their physical, psychological, spiritual, development, cultural, and social dimensions.

Prerequisite: Admission to the Bachelor of Science in Nursing Major.

NUR 2731 (2)

Health Assessment and Promotion Lab

This course provides opportunity for students to apply physical assessment and interviewing skills as well as the principles of health teaching and health promotion in an experiential learning laboratory setting. Students apply health teaching and transcultural nursing theory and concepts in a community service-learning project.

Prerequisite: Admission to the Bachelor of Science in Nursing Major.

NUR 2740 (3)

Transition to Baccalaureate Nursing Practice

This course is designed for the LPN/LVN, hospital military corpsman (HM), or associate degree RN. It facilitates the transition to baccalaureate level nursing through collegial

exploration of the practice of nursing in today's healthcare system. Emphasis is placed on contemporary issues, management and leadership concepts, and legal/ethical issues.

Prerequisite: Admission to the Bachelor of Science Major.

NUR 2741 (1)

Transition to Baccalaureate Nursing Practice Clinical/Lab

This laboratory course is designed for the LPN/LVN, hospitality military corpsman (HM), or associate degree RN. It facilitates transition to baccalaureate level nursing by providing opportunity for students to advance their nursing theory and skills in an experiential learning laboratory setting. Students receive individualized learning plans specific to their needs.

Prerequisite: Admission to the Bachelor of Science in Nursing Major.

NUR 2930 (3)

Pathophysiology

A course that emphasizes the alterations of processes that affect the body's dynamic integration as interpreted by cultural health beliefs and values and uses a conceptual approach based on Gordon's Functional Health Patterns.

Prerequisite: NUR 2300, 2301*, 2950*, 2951*, 2960*/2961* or 2963*, 2970*, and 2971*. (*Must have a grade of C or higher.);*

NUR 3025 (3)

Sexuality in Health & Society

This course explores advanced understandings of human sexuality through a multi-disciplinary approach combining pedagogies, students, and faculty from different departments in the College of Health and Society. Concentrations will include: 1) bio-medical sexuality: sexual and reproductive health and disease, anatomy, and physiology; 2) psychosexual development: relationships, marriage and family systems, sexual dysfunction, and trauma; 3) sexuality education and other organizational efforts that impact sexual behavior and health; and 4) sociopolitical issues: sexuality education and historical, legal, political, social, and ethical issues impacting sexuality.

Prerequisite: Any WC&IL II course.

NUR 3550 (3)

Crime Scene Investigation: Theories and Practices

The study of academic theories underlying crime scene investigations and of practical applications of these theories. Topics include historical origins, principles underlying such investigations, and real-life studies of crimes such as homicide, arson, identity theft, white-collar crime, and terrorist attacks.

Prerequisite: A grade of C- or higher in any WC&IL II course.

NUR 3710 (3)

Evidence-Based Practice and Research

The focus of this course is on research and evidence-based practice and the translation of evidence into practice. Content prepares student nurses to identify evidence-based practice models that can be used to analyze and synthesize evidence to answer clinical questions relevant to nursing practice.

Prerequisite: NUR 2720, 2721, 2730, 2731, 2710.

NUR 3720 (3)

Comprehensive Nursing Care I

A nursing process framework is applied to the evidence-based, patient-centered care of adult patients with perioperative stressors and/or acute and chronic respiratory, cardiac, integumentary, musculoskeletal, and oncological alterations in health. Students advance their clinical decision-

making skills by integrating new knowledge with prior learning of foundational nursing concepts and skills.

Prerequisite: NUR 2720, 2721, 2730, 2731, 2710.

NUR 3721 (4)
Comprehensive Nursing Care I Clinical/Lab

This course engages students in the application of theory and evidence-based knowledge to technical and clinical decision-making skills essential for professional nursing practice. Clinical and experiential learning laboratory activities provide opportunity to apply theoretical concepts to the care of adult patients with health alteration in a variety of settings.

Prerequisite: NUR 2720, 2721, 2730, 2731, 2710.

NUR 3730 (3)
Mental Health Nursing

This course focuses on the care of patients experiencing cognitive, mental, and behavioral disorders. A nursing-process framework is applied to the evidence-based, patient-centered care of patients facing emotional and psychological stressors as well as promoting and maintaining the mental health of individuals and families.

Prerequisite: NUR2720, 2721, 27300, 2731, 2710.

NUR 3731 (2)
Mental Health Nursing Clinical/Lab

This course engages students in the application of theory and evidence-based knowledge to the clinical decision-making and care of patients experiencing cognitive, mental, and behavioral disorder. Clinical and experiential learning laboratory activities provide opportunity to apply concepts of mental health nursing care to patients facing emotional and psychological stressors.

Prerequisite: NUR 2720, 2721, 2730, 2731, 2710

NUR 3740 (3)
Comprehensive Nursing Care II

A nursing-process framework is applied to the evidence-based, patient-centered care of adult patients with neurologic, sensory, gastrointestinal, renal, reproductive, endocrine, immune/connective tissue, and oncological alterations in health. Students develop clinical reasoning skill by integrating new knowledge with prior learning of comprehensive nursing concepts.

Prerequisite: NUR 3720, 3721, 3730, 3731, 3710.

NUR 3741 (4)
Comprehensive Nursing Care II Clinical/Lab

This course engages students in the application of theory and evidence-based knowledge to technical and clinical-reasoning skills essential for professional nursing practice. Clinical and experiential learning laboratory activities provide opportunity to apply theoretical concepts to the care of adult patients with health alterations in a variety of settings.

Prerequisite: NUR 3720, 3721, 3730, 3731, 3710.

NUR 3750 (3)
Child and Family Health

This course provides an integrative, family-centered approach to the care of children using a nursing process framework. Emphasis is placed on normal growth and development, family dynamics, common pediatric disorders, and the promotion of healthy behaviors. Building on prior learning, students develop clinical reasoning skill in evidence-based pediatric care.

Prerequisite: NUR 3720, 3721, 3730, 3731, 3710.

NUR 3751 (3)
Child and Family Health Clinical/Lab

This course engages in the application of theory and evidence-based knowledge to the technical and clinical

reasoning skills essential for pediatric nursing practice. Clinical and experiential learning laboratory activities provide opportunity to apply a family-centered approach to the care of healthy children as well as those with health alterations.

Prerequisite: NUR 3720, 3721, 3730, 3731, 3710.

NUR 3760 (2)
Maternal-Newborn Nursing

This course provides an integrative, family-centered approach to the care of mothers and newborns using a nursing-process framework. Emphasis is placed on normal and high-risk pregnancies, family dynamics, and the promotion of healthy behaviors. Building on prior learning, students develop clinical-reasoning skill in evidence-based maternal-newborn care.

Prerequisite: NUR 3720, 3721, 3730, 3731, 3710.

NUR 3761 (1)
Maternal-Newborn Nursing Clinical/Lab

This course engages students in the application of theory and evidence-based knowledge to technical and clinical reasoning skills essential for maternal-newborn nursing practice. Clinical and experiential learning-laboratory activities provide opportunity to apply theoretical concepts to the care of healthy mothers and newborns as well as those with health alterations.

Prerequisite: NUR 3720, 3721, 3730, 3731, 3710.

NUR 3900 (2)
Leadership and Management in Nursing

A course that provides practical assistance to the future nurse manager in the development of effective leadership and management skills in order to assure the best possible environment for the provision of high-quality care.

Prerequisite: ECON 2010 or 2015; NUR 3964*[^], 3965*[^], 3970*, 3971*, 3980*, 3981*, 3985*, and 3986*. (*Must have a grade of C or higher; [^]can be taken concurrently..

NUR 3930 (3)
Complementary Healing Methods

A nursing elective. The course provides a forum for the critical exploration of alternative methods of treatment and healing body, mind, and spirit. Emphasizes the integration of alternative methods with currently-accepted healing modalities.

Prerequisite: any WC&IL II course.

NUR 3943 (3)
Transcultural Nursing

This course serves as an introduction to the application of the concepts and process of nursing in a transcultural and global context. Students will apply transcultural nursing theory in order to study and establish transcultural rapport and communication with a selected population.

Prerequisite: NUR 2950, 2951, 2970, and 2971.

NUR 3944 (3)
Transcultural Nursing: People of Hawai'i

The study of transcultural nursing as a formal area of practice. Content includes theoretical perspectives, concepts, and practices as well as different beliefs and health practices within Hawai'i. The goal is to improve health outcomes and the quality of health care to diverse cultures through the development of cultural competency.

Prerequisite: Any WC&IL II course.

NUR 3945 (1)
Theoretical Foundations of Transcultural Nursing

A study of transcultural nursing theory and culture care models that have been developed internationally. The purpose of this course is to learn how transcultural nursing theory can be used with a variety of models to provide culturally-competent nursing care to a diverse clientele.
Prerequisite: NUR 2950 and 2951.

NUR 3952 (1)
Gerontologic Nursing

Presents mental, physical, and emotional health as related to normal aging and lifestyle decisions throughout adulthood. It considers the adult in the family context, emphasizing principles of healthy aging. A clinical component (NUR 3953) must be taken concurrently.
Prerequisite: BIOL 2040; CHEM 2030; NUR 2300*, 2301*, 2930*, 2950*, 2951*, 2960*/2961* or 2963*, 2970*, and 2971* (*Must have a grade of C or higher; ^ may be taken concurrently.) *Co-requisite:* NUR 3953.

NUR 3953 (2)
Gerontologic Nursing Laboratory

Clinical component for NUR 3952.
Prerequisite: BIOL 2040; CHEM 2030; NUR 2300*, 2301*, 2930*, 2950*, 2951*, 2960*/2961* or 2963*, 2970*, and 2971* (*Must have a grade of C or higher; ^ may be taken concurrently.) *Co-requisite:* NUR 3952.

NUR 3957 (1)
Interventions lab

Interventional labs are provided to assist students to learn and practice the skills and procedures used in everyday nursing practice with accuracy and increasing speed and confidence in a mock-hospital environment. These courses are intended to provide an opportunity to integrate theory, clinical judgment, and technical skills prior to their application in the clinical setting, and thereby assist the student in transitioning from the classroom to the clinical setting.
Prerequisite: NUR 3962/3963, NUR 3980/3981, NUR 3985/3986; *Co-requisite:* NUR 3964/3965.

NUR 3962 (3)
Adult Health Care I

Introduction to medical/surgical nursing. Focuses on nursing care of adults in an acute illness crisis and at risk for chronic illness. A clinical component (NUR 3963) must be taken concurrently.
Prerequisite: BIOL 2040*; CHEM 2030*; NUR 2300*, 2301*, 2930*, 2950*, 2951*, 2960*/2961* or 2963*, 2970*, and 2971*, 3952**^, and 3953**^ (*Must have a grade of C or higher; ^may be taken concurrently.) *Co-requisite:* NUR 3963.

NUR 3963 (3)
Adult Health Care I Laboratory

Clinical Component for NUR 3962.
Prerequisite: BIOL 2040*; CHEM 2030*; NUR 2300*, 2301*, 2930*, 2950*, 2951*, 2960*/2961* or 2963*, 2970*, and 2971*, 3952**^, and 3953**^ (*Must have a grade of C or higher; ^may be taken concurrently.) *Co-requisite:* NUR 3962.

NUR 3964 (3)
Adult Health Care II

Nursing care of adults in their generative and productive years, in acute illness crisis, and at risk for chronic illness. A clinical component (NUR 3965) must be taken concurrently.
Prerequisite: NUR 3970*, 3971*, 3980*, 3981*, 3985*, and 3986* (*Must have a grade of C or higher; ^may be taken concurrently.) *Co-requisite:* NUR 3965.

NUR 3965 (4)

Adult Health Care II Laboratory
Clinical Component for NUR 3964.

Prerequisite: NUR 3970*, 3971*, 3980*, 3981*, 3985*, and 3986* (*Must have a grade of C or higher; ^may be taken concurrently.) *Co-requisite:* NUR 3964.

NUR 3970 (3)
Altered Mental Health Patterns

An examination of the conceptual base, principles, and practice of mental health and psychiatric nursing across the life span in a holistic approach. Nursing modalities include: psychotropic medications, milieu therapy, crisis intervention, and therapeutic communication skills within the acute psychiatric hospital setting. Individual and family coping with acute mental health alterations are explored. A clinical component (NUR 3970) must be taken concurrently.
Prerequisite: NUR 2930, 3952*, 3953*, 3962*, 3963*, and PSY 3600. (*Must have a grade of C or higher.) *Co-requisite:* NUR 3971.

NUR 3971 (2)
Altered Mental Health Patterns Laboratory

Clinical component for NUR 3970.
Prerequisite: NUR 2930, 3952*, 3953*, 3962*, 3963*, and PSY 3600. (*Must have a grade of C or higher.) *Co-requisite:* NUR 3970.

NUR 3972 (3)
Introduction of Forensic Science

This course is an overview of forensic health sciences. It uses a multidisciplinary approach to examine victims and perpetrators of trauma and/or abuse. The role of the provider is also explored. Forensic photography, injury patterns, and evidence collection and preservations are also included.
Prerequisite: A grade of C- or higher in any WC&IL II course*; PSY 1000. (*Must have a grade of C- or higher.)

NUR 3973 (3)
Criminalistics and the Investigation of Injury and Death

Developing empirical knowledge in forensics related to the investigation of injury and death. Specialized topics in forensic pathology and clinical practice will be discussed.
Prerequisite: A grade of C- or higher in any WC&IL II course*; PSY 1000. (*Must have a grade of C- or higher.)

NUR 3974 (3)
Forensic Science Experiential Learning

This capstone course is arranged to expand clinical application of theory content in forensic science. Clinical sites will be arranged with the coroner's office, emergency rooms, crime investigation units, prisons, or other clinical settings to support students' goals.
Prerequisite: A grade of C- or higher in any WC&IL II course; NUR/CJ 3550, and NUR3973.

NUR 3980 (2)
Childbearing Family

A focus on childbearing families. The course addresses physical, psychosocial, cultural/spiritual, and developmental needs related to pregnancy, birth, and care of the postpartum woman and newborn. A clinical component (NUR 3981) must be taken concurrently.
Prerequisite: NUR 2930, 3952*, 3953*, 3962*, and 3963* (*Must have a grade of C or higher.) *Co-requisite:* NUR 3981.

NUR 3981 (1 to 2)
Childbearing Family Laboratory

Clinical component for NUR 3980.
Prerequisite: NUR 2930, 3952*, 3953*, 3962*, and 3963* (*Must have a grade of C or higher.) *Co-requisite:*

NUR 3980.

NUR 3985 (3)

Child and Family Health

This course addresses normal growth and development, developmental variations, and family structure. This course provides the theoretical basis for NUR 3986, where knowledge and skills are applied. A concepts-based approach to learning enables the student to apply knowledge in a variety of pediatric settings and develop critical-thinking skills inherently necessary for the care of children and their families. The ability to apply previously learned concepts to new situations is critical in pediatric nursing.

Prerequisite: NUR 2930, 3952*, 3953*, 3962*, and 3963*. (*Must have a grade of C or higher.) *Co-requisite:* NUR 3986.

NUR 3986 (1)

Child and Family Health Lab

Clinical component for NUR 3985.

Prerequisite: NUR 2930, 3952*, 3953*, 3962*, and 3963*. (*Must have a grade of C or higher.) *Co-requisite:* NUR 3985.

NUR 3999 (1 to 3)

Special Topics in Nursing

This special topics course will be available to address special topics in nursing. The title, content and prerequisites for this course will vary with instructor and need in the undergraduate nursing program. The course may be repeated when the title and content have changed.

Prerequisite: BIOL 2030, 2031, 2032, 2033, 2040, 2041, CHEM 2030, MATH 1123, WRI 1200.

NUR 4700 (3)

Research Proposal Development

Reflective nursing practice and education pose questions that challenge students to examine human responses, healing, and management of care. Students progress systematically through the scientific inquiry process in order to develop a nursing research proposal.

Prerequisite: MATH 1123, NUR 3964[^], 3965[^], 3970*, 3971*, 3980*, 3981*, 3985*, 3986*. (*Must have a grade of C or higher; ^can be taken concurrently.)

NUR 4710 (3)

Gerontology

This course focuses on advanced concepts of nursing care as they relate to older adult patients with unique physiological and psychosocial needs. Emphasis is placed on promoting health aging and retaining functional ability. Students integrate comprehensive nursing concepts to the management of care for patients with gerontology needs.

Prerequisite: NUR 3740, 3741, 3750, 3751, 3760, 3761.

NUR 4770 (3)

Comprehensive Nursing Care III

This course focuses on advanced concepts of nursing care as they relate to adult patients with complex, multisystem alterations in health. Students develop clinical reasoning skill by integrating new knowledge with prior learning of comprehensive nursing concepts in the management of care for patients with multiple needs.

Prerequisite: NUR 3740, 3741, 3750, 3751, 3760, 3761.

NUR 4771 (4)

Comprehensive Nursing Care III Clinical/Lab

This course engages students in the application of theory and evidence-based knowledge to the clinical reasoning skills essential for professional nursing practice. Clinical and experiential learning-laboratory activities provide

opportunity to apply theoretical concepts to the complex care management of adult patients with health alterations in a variety of settings.

Prerequisite: NUR 3740, 3741, 3750, 3751, 3760, 3761.

NUR 4780 (3)

Community Health Nursing

The course focuses on advanced concepts of nursing care for individuals, families, vulnerable aggregates, communities, and populations. Principles and practices of community health are discussed. Emphasis is placed on assessing factors that influence the health of populations and the delivery of health promotion and disease prevention interventions.

Prerequisite: NUR 3740, 3741, 3750, 3751, 3760, 3761.

NUR 4781 (3)

Community Health Nursing Clinical/Lab

This course engages students in the application of theory and evidence-based knowledge to the clinical-reasoning skills essential to community nursing. Clinical and experiential learning-laboratory activities provide opportunity to apply advanced concepts of health promotion to the management of care for individuals, families, vulnerable aggregates, communities, and populations.

Prerequisite: NUR 3740, 3741, 3750, 3751, 3760, 3761.

NUR 4950 (2)

Comprehensive Health Care

NUR 4950 Comprehensive Health Care facilitates the student's understanding the higher level of patient care in acute and post-acute settings. It encompasses application of the physiologic, psychosocial, spiritual, and cultural aspects of nursing care. NUR 4950 is the didactic portion of NUR 4951, and both must be taken concurrently.

Prerequisite: NUR 3964*, 3965*, 3900*, and 4700* (*Must have a grade of C or higher.) *Co-requisite:* NUR 4951.

NUR 4951 (4)

Comprehensive Health Care Laboratory

NUR 4951 is a clinical component of NUR 4950 and must be taken concurrently with NUR 4950.

Prerequisite: NUR 3964*, 3965*, 3900*, and 4700*. (*Must have a grade of C or higher.) *Co-requisite:* NUR 4950.

NUR 4960 (2)

Developing a Healthy Community

A focus on the community as client. Students use the nursing process to assess, plan, implement, and evaluate health services given to marginally functional families and other vulnerable aggregates within the community. A clinical component (NUR 4961) must be taken concurrently. **Capstone course.**

Prerequisite: NUR 3964*, 3965*, 3900*, and 4700*. (*Must have a C or higher.) *Co-requisite:* NUR 4961.

NUR 4961 (4)

Developing a Healthy Community Laboratory

Clinical component for NUR 4960.

Prerequisite: Completion of Level 4 Nursing requirements or Department approval; *Co-requisite:* NUR 4960.

NUR 5001 (3)

Foundations for Teaching and Learning in Nursing Education

This online course covers educational theory and teaching/learning strategies. There is an emphasis on diversity as well as learning styles. External issues and trends that impact nursing education will be explored to help prepare the nurse educator to address educational issues both in a clinical and academic setting.

NUR 5002 (3)
Curriculum Development and Evaluation in Nursing Education

This online course is designed to give the learner practical experience in curriculum and course design. The course addresses foundational topics such as program mission, philosophy, and organizational framework. In addition, program and course evaluation are explored.

Prerequisite: NUR 5001.

NUR 5003 (3)
Clinical Nursing Education

Course focuses on developing educator skills to teach in a clinical setting. This includes developing appropriate patient and staff education materials. The course content aids the student in understanding interdisciplinary team approach from the educator's perspective and developing skills to teach students in the clinical setting.

Prerequisite: NUR 5001, NUR 5002.

NUR 5004 (3)
Innovations in Nursing Education

This online course provides the learner with practical experience in the application of innovative teaching strategies. Students apply and analyze the theories, competencies, and concepts of the two previous courses. Current issues and trends in health care and nursing are also explored.

Prerequisite: NUR 5001, NUR 5002.

NUR 6000 (3)
Advanced Practice Roles in a Diverse Society

The definitions of advanced practice nursing (APN) roles in community environments. Theoretical content includes ethics, multicultural-population-focused care, community-coordination strategies and interdisciplinary collaboration, critical thinking, problem solving, creativity, and leadership. Roles of the nurse as case manager, administrator, educator, researcher, consultant, and practitioner are explored. Communication issues including assertive behavior, conflict resolution, and the dynamics of change are examined.

Prerequisite: Graduate standing in nursing.

NUR 6005 (2)
Epidemiology

Community health issues, research, and conceptual theoretical foundations are utilized in the study of the distribution and determinants of health and disease in the community. Analysis of factors that alter the course of disease and health problems is addressed.

Prerequisite: Graduate standing in nursing.

NUR 6010 (3)
Advanced Pathophysiology

The student will explore selected complex topics in pathophysiology involved in processes affecting the body's optimal functioning. Students will enhance their abilities to implement diagnostic reasoning, critical thinking, and the integration of scientific knowledge with the psychosocial and spiritual aspects of the human condition across the lifespan. Students will incorporate current health care practice into their learning using an evidence-based research approach, including use of online access to the most current information.

Prerequisite: Graduate standing in nursing.

NUR 6015 (3)
Community/Public Health Policy and Program Planning

This course analyzes the relationships between health policy, the organization of U.S. health care systems, and the health status of culturally diverse communities. Health care policy issues and trends, population-based community-needs assessment and analysis, program planning, and grant writing

are examined. Emphasis is placed on the role of the advanced practice nurse in influencing policy decisions.

Prerequisite: Graduate standing in nursing.

NUR 6020 (3)
Advanced Nursing Research

As part of the core curriculum, this course explores a broad range of quantitative and qualitative methods of inquiry. These methods of inquiry are used to encourage the student to investigate nursing phenomena and incorporate research into advanced clinical nursing practice.

Prerequisite: Graduate standing in nursing.

NUR 6025 (3)
Applied Drug Therapies for the APRN

This course is designed to prepare advanced practice nurses for prescribing drugs within the scope of their practice. Basic and advanced pharmacological principles and pharmacological actions of major drug classes will be discussed and explored in relation to physiologic systems. A focus on application of these agents to the individuals, families, and communities will be developed by the learner.

Prerequisite: Graduate standing in nursing.

NUR 6030 (1 to 3)
Advanced Physical Assessment

This course will give the graduate student an opportunity to practice and advance their physical assessment skills by performing complete health assessments. Skills are taught and practiced on a class partner via the body-systems approach with weekly integration of previous skills. Students will take complete histories and provide comprehensive documentation of the history and physical assessment obtained on lab partners or persons brought in from the outside. Specialized skills and techniques will be incorporated into the learning specific to pediatrics, geriatrics, and women's health as time allows.

Prerequisite: Graduate standing in nursing.

NUR 6105 (3)
Health Care Informatics

At the graduate level, the course is taught from an evidence-based model of clinical practice and research, in addition to being an introduction to the issues surrounding computer use in patient records and clinical practice.

Prerequisite: Graduate standing in nursing.

NUR 6110 (3)
Teaching Nursing in Cyberspace

This course provides participants with experience in applying instructional design principles, concepts, and evaluation strategies in the cyberspace environment. Students will experience the online classroom first hand and interact with peers and facilitators while developing a course for online instruction. There will be ongoing discussions regarding how online teaching differs from the classroom setting. Participants will critique peer course development and facilitate selected lessons.

Prerequisite: NUR 6956.

NUR 6950 (3)
Human Resource Management

An analysis of the roles of agencies, personnel, payers, and regulators in the delivery of health care. Human resource issues of recruitment, performance appraisal, compensation, benefit management budgeting, contract negotiations, staff development, and the supervision of unlicensed personnel are addressed as issues for the APN.

Prerequisite: NUR 6000, 6005, 6010, 6015, 6020, 6025, and 6030. Graduate standing in nursing. Co-requisite: NUR 6951

- NUR 6951** (4)
Agency Management Practicum
 Theories of management and health care systems in a community practice setting are applied to the role of the APN.
Prerequisite: NUR 6000, 6005, 6010, 6015, 6020, 6025, and 6030. *Graduate standing in nursing. Co-requisite:* NUR 6950.
- NUR 6952** (3)
Analysis of Communities and Vulnerable Populations
 An examination of community structure and dynamics, including citizen participation, power, decision-making structures, and communication patterns that govern a community's functioning. The community dimensions of location, population, and social systems are used to develop strategies for improving the health of the various aggregates and the community as a whole. The student is expected to understand the cultural, behavioral, and organizational factors affecting the access, use, and organization of health services.
Prerequisite: NUR 6000, 6005, 6010, 6015, 6020, 6025, and 6030. *Graduate standing in nursing. Co-requisite:* NUR 6953.
- NUR 6953** (4)
Community Analysis Practicum
 A course that studies and identifies a specific problem or content area within the scope of nursing practice or management in a selected community health care setting. Course activities include the in-depth assessment of the health needs, development, and implementation and the evaluation of strategies to address these needs.
Prerequisite: NUR 6000, 6005, 6010, 6015, 6020, 6025, and 6030. *Graduate standing in nursing. Co-requisite:* NUR 6952.
- NUR 6954** (3)
Defined Option Seminar
 An area of special interest, such as home health, long term care, substance abuse, children with special needs, mental health, etc., is selected as the focus of this in-depth investigation and discussion.
Prerequisite: NUR 6000, 6005, 6010, 6015, 6020, 6025, and 6030. *Graduate standing in nursing. Co-requisite:* NUR 6955.
- NUR 6955** (4)
Defined Option Practicum
 The area of special clinical interest defined in NUR 6954 is the setting for this contracted and preceptored clinical experience.
Prerequisite: NUR 6000, 6005, 6010, 6015, 6020, 6025, and 6030. *Graduate standing in nursing. Co-requisite:* NUR 6954.
- NUR 6960** (3)
Advanced Theory: Primary Care of Children
 Disease prevention, health promotion, and illnesses in children and adolescents are comprehensively analyzed for the individual and within the context of their family and community.
Prerequisite: Graduate standing in nursing.
- NUR 6961** (3)
Practicum I
 Applied advanced practice nursing knowledge, reasoning, and intervention skills for the prevention of disease, health promotion, and illness appropriate to children, their families, and community are developed within this laboratory and clinical experience.
Prerequisite: Graduate standing in nursing.
- NUR 6962** (3)
Advanced Theory: Primary Care of Women
 Disease prevention, health promotion, and illnesses in women are comprehensively analyzed for the individual and within the context of their family and community.
Prerequisite: Graduate standing in nursing.
- NUR 6963** (5)
Practicum II
 Disease prevention, health promotion, and illnesses in children and adolescents are comprehensively analyzed for the individual and within the context of their family and community.
Prerequisite: Graduate standing in nursing.
- NUR 6964** (3)
Advanced Theory: Primary Care of Adults
 Health promotion, disease prevention, and illnesses of the adult are comprehensively analyzed for the individual and in the context of their families and community.
Prerequisite: Graduate standing in nursing.
- NUR 6965** (3)
Practicum III
 Advanced practice nursing knowledge, reasoning, and intervention skills for the prevention of disease, health promotion, and illness appropriate to the adult, their families, and community are developed within this laboratory and clinical experience.
Prerequisite: Graduate standing in nursing.
- NUR 6966** (3)
Advanced Theory: Primary Care of the Geriatric Adult
 Health promotion, disease prevention, and illness of geriatric adults are comprehensively analyzed for the individual and within the context of their family and community.
Prerequisite: Graduate standing in nursing.
- NUR 6967** (3)
Practicum IV: Primary Care of the Geriatric Adult
 Advanced practice knowledge, reasoning, and intervention skills for the prevention of disease, health promotion, and illness appropriate to the older adult, their families, and community are developed within this laboratory and clinical experience.
Prerequisite: Graduate standing in nursing.
- NUR 6969** (3)
Practicum V
 Advanced practice nursing knowledge, reasoning, and intervention skills for the prevention of disease, health promotion, and treatment of illness of family practice to include adults, children, or geriatric adults.
Prerequisite: Graduate standing in nursing.
- NUR 6980** (3)
Fundamentals of Acute Care I
 This evidence based course investigates the evaluation and management of adult and gerontologic populations experiencing acute and critical illnesses, including disease classification, epidemiology, pathogenesis, clinical manifestations, assessment, and diagnostic evaluation. An emphasis is placed on advanced clinical decision-making integrating advanced pharmacology, psychosocial, cultural, spiritual factors, genetics, and the impact of aging.
Prerequisite: Graduate standing in nursing.
- NUR 6982** (3)
Advanced Clinical Diagnostics & Technology
 This didactic and Sim Lab course focuses on critical care

diagnostics and management technologies to include ABG analysis and ventilation management; cardioversion and pacing; and the interpretation of lab, radiology, and CT data. Emphasis is on performance of a comprehensive history and examination, analysis of biotechnological data trends, differential diagnosis, and clinical decision making in critically ill adults.

Prerequisites: Graduate standing in nursing.

NUR 6983 (3)

Fundamentals of Acute Care II

This evidence-based course investigates the evaluation and management of adult and gerontologic populations experiencing acute and critical illnesses, including disease classification, epidemiology, pathogenesis, clinical manifestations, assessment, and diagnostic evaluation. An emphasis is placed on advanced clinical decision making integrating advanced pharmacology, psychosocial, cultural, and spiritual factors.

Prerequisites: Graduate standing in nursing.

NUR 6984 (3)

A-GACNP Practicum I

This first practicum course will explore and apply the adult-gerontological ACNP role within the infrastructure of American health care. The focus will be on the development of ACNP competencies and clinical decision-making. Discussions will include reimbursement, billing role development, nursing and medical interventions, and other activities implemented in the clinical practicum.

Prerequisites: Graduate standing in nursing.

NUR 6985 (1)

Advanced Practice Acute Care III

This third-evidence based course investigates the evaluation and management of adult & gerontologic populations experiencing acute and critical illnesses, including disease classification, epidemiology, pathogenesis, clinical manifestations, assessment and diagnostic evaluation. An emphasis is placed on advanced clinical decision making integrating advanced pharmacology, psychosocial, cultural, and spiritual factors.

Prerequisites: Graduate standing in nursing.

NUR 6986 (6)

A-GACNP Practicum II

This second practicum course will explore the expansion and development of ACNP clinical competencies and clinical decision making. Clinical experiences will explore governmental, social, and clinical resources to manage acutely-ill populations. The application of advanced nursing, medical, psychosocial, and interdisciplinary communication in patient management will be emphasized.

Prerequisites: Graduate standing in nursing.

NUR 6987 (6)

A-GACNP Practicum III

The third practicum course will solidify the ACNP role with the expansion of advanced clinical competencies and clinical decision making. Clinical experiences will focus and substantiate the utility of comprehensive patient assessment, management, and intervention strategies across the continuum of acute care. Seminars will focus on a variety of professional role development.

Prerequisites: Graduate standing in nursing.

NUR 6990 (1 to 3)

Nonpaid Internship

See Internship Section.

Prerequisite: Graduate standing in nursing.

NUR 6991 (1 to 3)

Paid Internship

See Internship Section.

Prerequisite: Graduate standing in nursing.

NUR 7000 (1 to 3)

Professional Paper/Project

This course is a rigorous culminating scholarly endeavor in which the student will integrate theoretical knowledge, clinical experience, and research in a faculty-guided project proposal.

Capstone course.

Prerequisite: NUR 6000, 6005, 6010, 6015, 6020, 6030, 6960, Graduate standing in nursing and departmental approval.

NUR 8000 (3)

Evidence-Based Practice for Advanced Nursing

This course provides learners with the theoretical and practical foundation for evidence-based practice with an emphasis on evidence-based conceptual models, refining skills in searching and critiquing the literature for application to practice change, and synthesizing a body of literature to design interventions pertinent to a practice problem.

Prerequisite: Admission to DNP.

NUR 8010 (3)

Leadership and Systems Management

In this course the doctoral student will prepare to assume complex and advanced leadership roles to guide change as a practitioner, clinical executive, educator, clinical scientist, and clinical scholar, among others.

Prerequisite: Admission to DNP.

NUR 8020 (3)

Informatics, Technology & Data Management for Advanced Practice

In this course the doctoral student will acquire competencies in using technology systems that capture data on variables for the evaluation of health care, integrating appropriate technologies to translate evolving technical and scientific information. The student will demonstrate information-literacy skills in complex decision-making and ability to contribute to the design of clinical information systems that promote safe, quality, and cost-effective care.

Prerequisite: Admission to DNP.

NUR 8030 (3)

Optimizing Quality in Health Care Systems

In this course the doctoral student will acquire competencies to continuously improve the quality of systems practices focusing on day-to-day responsibilities and realities of guiding change. The student will evaluate the impact of access, cost, quality, and safety on proposed change. The interaction of organizational structure, care processes, financing, marketing and policy decisions, and regulatory pressures will be examined in relation to quality improvement decisions.

Prerequisite: Admission to DNP.

NUR 8040 (3)

Business & Finance Essentials for the DNP

The student will develop knowledge and skills towards the DNP essentials regarding organizational leadership and systems thinking. The topics of health care economics and the business of practice will be examined. Economic concepts and tools will be used to examine issues, costs, and problems pertaining to health care delivery.

Prerequisite: Admission to DNP.

NUR 8050 (3)**Development & Implementation of Health Care Policy**

In this course the DNP student will develop knowledge, skills, and tools towards the DNP terminal competencies related to policy, policy development, and change, to maintain high quality care while remaining accessible and using scarce resources wisely.

Prerequisite: Admission to DNP.

NUR 8060 (3)**Doctoral Project I: Development**

In this course the doctoral student will acquire competencies to fulfill the leadership role as a nurse educator and/or to fulfill education-planning responsibilities in relation to continuous-quality-improvement programs and translating new knowledge into practice with in organizations. The student will have an opportunity to utilize technology in current use for developing educational programming.

Prerequisite: NUR 8010, 8020, 8030, 8040

NUR 9010 (1 to 7)**Doctoral Project I: Development**

In this course the DNP student will refine and make preparations for implementation of the project proposal at a practice site with in their state of licensure. The final project proposal will be submitted to the HPU IRB and the research review process of the project site.

Prerequisite: Admission to DNP.

NUR 9020 (1 to 7)**Doctoral Project II: Implementation**

In this course, the DNP student will refine and make preparations for implementation of the project proposal at the practice site within their state of licensure. The final project proposal will be submitted to the HPU IRB and the research review process of the project site.

Prerequisite: Admission to DNP.

NUR 9030 (1 to 7)**Doctoral Project III: Data Analysis and Dissemination**

Under the guidance of their academic and external advisors, the doctoral student will analyze the results of their selected project by analyzing data, evaluating project outcomes, and disseminating results within the organization, the university, and the professional community. Findings will be disseminated in the form of a publishable scholarly paper and an oral community presentation.

Prerequisite: Admission to DNP.

OC—Organizational Change**OC 6005 (3)****Scope and Methods of Research**

OC 6005 is a course designed for MAOC graduate students. The course acquaints students with the theories of current and historical importance; introduces or reinforces the tenets of the scientific method; introduces the faculty and previews key concept areas being taught in the program; discusses research designs and methods appropriate in graduate programs; and introduces students to research materials, knowledge technology, communications skills, and both quantitative and qualitative methods to be used throughout the MAOC program of studies. OC 6005 provides a foundation in applied research that will be used to complete applied research assignments in all of the remaining OC courses. OC 6005 must be completed no later than in the second semester in a student's program of studies.

Prerequisite: Graduate standing.

OC 6440 (3)**Organizational Change and Development**

OC 6440 is the foundation for all MA/OCD and Professional

Certificate in OCD courses. Students first learn the basic nature of human culture and organizational change. Then the practice of OCD is studied within larger holistic and comparative contexts for global and local change. Discussions and assignments are designed to assist the student in differentiating between change and adaptation. Change and development initiatives in governments, communities, and corporations are discussed.

Prerequisite: Graduate standing.

OC 6443 (3)**Change Leadership Models and Methods**

OC 6443 presents a globally-relevant perspective for understanding the dynamics of change leadership. Issues such as power, stakeholders, and conflict are discussed via case studies. Students learn how their own world views, values, and personal behaviors can influence their effectiveness as leaders in different social and organizational contexts. Self-reflection is balanced with group and organizational understanding to analyze the appropriateness and utility of various models and methods for leading change.

Prerequisite: Graduate standing.

OC 6444 (3)**Innovations and Creativity**

Innovation and creativity are critical aspects of organizational change and development in contemporary societies. This course explores the significance of innovation and creativity to the human experience. Relationships among creativity, change, and innovation are discussed within a multidisciplinary perspective. Practical methods for creating innovation in organization and group processes are illustrated via cases and simulations.

Prerequisite: Graduate standing.

OC 6447 (3)**Consulting and Group Process Facilitation**

Participants in this integrative seminar will learn approaches for creating change interventions in organizational settings. Group process, facilitation methods, dealing with stakeholders' resistance, aligning power systems, and organizational design will be among the issues to be discussed. Learning will be enhanced by cases, simulations, and experiential assignments.

Prerequisite: Graduate standing.

OC 6990 (1 to 3)**Nonpaid Internship**

See internship section.

Prerequisite: Graduate standing.

OC 6991 (1 to 3)**Paid Internship**

See internship section.

Prerequisite: Graduate standing.

OC 6997 (1 to 3)**Directed Readings in Organizational Change and Development**

Directed individualized readings. Repeatable for credit.

Prerequisite: Graduate standing.

OC 6998 (3)**Special Topics in Organizational Change and Development**

This course provides an opportunity for students to explore other areas related to the organizational change and development curriculum but not included in the program of study. These special topics are offered based on student

interest and current events. Course content will vary, and the course may be repeated as topics change.

Prerequisite: Graduate standing

OC 7000 (3)
Applied Research

Applied Research requires the development of a publishable-quality applied research project/paper at the graduate level. Students enrolled in this course should be in the MAOC program.

Prerequisite: OC 6005 and 21 additional credits in MAOC courses. Graduate standing.

PADM—Public Administration

PADM 1000 (3)
Introduction to Leadership in America

This course is an introduction to the study of leadership in America. It compares the administrative processes used in private and non-profit organizations and the U.S. government, including the U.S. military. This course introduces students to the theories of leadership and the styles, traits, and myths of leadership including the history, cultures, and ethical basis for good leadership in an American context.

PADM 2000 (3)
Supervisory Leadership

This course is an exploration of the nature and responsibilities of the supervisor. Topics covered include: work environments; technologies, and supervisory styles; tools for decision-making; supervisory functions; and scheduling, staffing, directing, and controlling. This includes career skills involving both personal planning and interpersonal relations and skill areas such as time keeping, goal setting, negotiations, assertiveness, and networking.

Prerequisite: PADM 1000 and any WC&IL II course.

PADM 3000 (3)
Analytical Techniques and Methods

This course studies statistical techniques and quantitative methods for decision-making in an administrative environment. Topics include numerical and graphical descriptive statistics, probability and probability distributions, statistical inference, decision-making under uncertainty, forecasting, correlation, regression analysis, linear programming, project management, and simulation.

Prerequisite: MATH 1123.

PADM 3300 (3)
Public Policy

This course examines the making of public policy in the United States. Our study of policymaking will be based on the proposition that an understanding of policymaking depends upon an understanding of institutions and political behavior. The course begins with an overview of the public policy process, examining the stages of policymaking and theories of the policy process. These theories are discussed in the context of specific public policies and public policy controversies, including social welfare, defense, tax policy, and other important issues.

Prerequisite: PSCI 3200.

PADM 3400 (3)
Public Personnel Administration

This course examines the administration of the civil service system. Representative topics include civil service reform and the relationship of public personnel administration and organizational performance. The rights and responsibilities of public employees, patterns of discrimination, and the changing workforce will also be discussed in the context of public policies, law, and court rulings. Students will have an

understanding of public personnel administration necessary to steward a valuable public resource competently within the limitations on the exercise of government authority while adhering to the values enumerated in the U.S. Constitution.

Prerequisite: HRD 1000 OR PADM 1000 course; and CJ 3000.

PADM 3500 (3)
Public Finance and Budgeting

The course provides an overview of the processes, techniques, and political/administrative aspects of public budgeting and finance for federal, state, and local governments in the United States. The purpose of this course is to introduce students to the theories, concepts, and practice of government budgeting and finance and to expose them to the current issues and challenges in this field. This course also provides students with both theoretical perspectives and practical analytical skills involved in understanding, analyzing, and preparing budgets.

Prerequisite(s): PADM 3000 and any WC&IL II course with a grade of C- or higher.

PADM 3600 (3)
Non-Profit Management

This course is designed to provide an introduction to the leadership skills needed to be successful in the non-profit sector in the United States. Topics covered in this course include the nature and scope of non-profit organizations. Other topics include mission statements, ethics, and cohesion; leadership, building organizational capacity, fundraising, and revenue generation; building and sustaining relationships with external constituencies; finding, training, and supervising volunteers, governance, and boards of directors; evaluation of operations and programs; and sustainability of non-profit organizations.

Prerequisite(s): Any WC&IL II course with a grade of C- or higher.

PADM 3700 (3)
Urban Government

The study of urban governance provides a valuable insight into economic, social, and political forces and how they shape city life. This innovative course casts new light on the issues and re-examines the state of urban governance at the start of the twenty-first century. Models of urban governance, such as corporatist, pro-growth, and welfare, are assessed in terms of implications for the major issues, interests, and challenges in the contemporary urban arena.

Prerequisite(s): PSCI 3415.

PADM 4000 (3)
Strategic Planning for Government Organizations

This course is a capstone and a summary and integration of knowledge and skills gained in the public administration program. It is a strategic planning course at the city, state, and federal level with issues from the City and County of Honolulu, the State of Hawai'i, the U.S. federal government, and other government entities located in the Pacific basin. Topics include a clarification of mandates, mission, vision, and values; a situational analysis involving both the internal and external environments; the identification of the strategic issues facing those government entities; and the strategic plan for achieving the goals of the organization.

Prerequisite: Advisor approval.

PADM 6000 (3)
Introduction to Public Administration and Public Service

This introduction to public administration and public service provides insights into the theory, practice, and the interdependence and administration of government and nonprofit organizations at the federal, state, and city level. Topics include an introduction to research methodologies,

principles and tools required in government budgeting and resource management, public organization theory, and decision-making, interprofessional team-based leadership, an understanding of ethics and accountability as it relates to the public sector, and a summary of the essential principles and issues relating to social, cultural, and legal matters that are relevant to the administration of public service organizations.

Prerequisite: Graduate standing.

PADM 6100 (3)

Public Personnel Management

This course introduces traditional and contemporary issues in public personnel administration. It examines the historical context and legal rights and responsibilities that public administrators encounter. Various components of personnel administration are covered including recruitment and selection; position management and classification; compensation, performance appraisal, unions and collective bargaining; and employee development.

Prerequisite: Graduate standing.

PADM 6200 (3)

Non-profit Organizations

This is an introductory course, an overview of the non-profit sector in Hawai'i, nationally, and worldwide for students who aspire to positions in middle management or senior leadership for a non-profit organization, with special applications for social work and public health. Topics include: non-profit management as a profession; introduction to budgeting; the relationship and impacts among relevant resources (social capital), associate social, cultural, and environmental goals with social entrepreneurship; and the organizational structures suited to those goals.

Prerequisite: Graduate Standing.

PADM 6210 (3)

Grant Writing and Fundraising

Sources of revenue in the public sector differ from business organizations where incomes are earned from the sale of goods and services. Non-profits endeavor to achieve diverse revenue sources, both to minimize risk and to maximize autonomy. Income generating programs include some earned-income strategies but more typically focus on grant writing and fundraising from the general public like selling. Also includes pipeline management and catalytic philanthropy as it pertains to corporations, governments, and foundations.

Graduate Standing.

PADM 6220 (3)

Staff and Volunteer Management for Nonprofit Organizations

The management of an organization's human resources, regardless of their sector affiliation (public, private, or nonprofit) is pretty much the same except that nonprofit employees tend to be more vision driven. Volunteers, however, tend to be more leadership driven. In addition to general employee management principles, this course will include leadership theories and practices as they apply to volunteer management.

Prerequisite: Graduate Standing.

PADM 6270 (3)

Strategic Planning for Nonprofit Organizations

This course provides insight for a non-profit's long-range goals and the resources needed to reach them. Topics include non-profit governing boards and executive leadership, mission and vision achievement, opportunities and threats analyses, long-range strategy execution, and financial oversight.

Graduate Standing Required

PADM 6300 (3)

Statistical Analysis for Effective Decision-Making

This course studies statistical and quantitative tools and concepts as applied in public administration. Topics include: probability theory, descriptive statistics, statistical inference, regression analysis, decision theory, linear models, linear programming, network analysis, and simulation. It emphasizes practical aspects of applying such methods, appropriately interpreting the results of these statistical analysis tools, and gaining a meaningful understanding of how statistical analysis can be used to solve public administration problems. Use of computer tools for carrying out statistical analysis (SAS or SPSS) is also a major emphasis.

Prerequisite: Graduate standing.

PADM 6400 (3)

U.S. Public Policy

This course examines the making of public policy in the United States. Our study of policymaking will be based on the proposition that an understanding of policymaking depends upon an understanding of institutions and political behavior. The course begins with an overview of the public policy process, examining the stages of policymaking and theories of the policy process. These theories are discussed in the context of specific public policies and public controversies as the impact America's economy.

Prerequisite: Graduate standing.

PADM 6500 (3)

Economics for Decision-Makers

This course introduces the primary concepts and methods of economics as they apply to decision making problems within various organizational settings such as a non-profit organization or a government agency. It covers the basics of both microeconomics and macroeconomics. In microeconomics, the focus is on learning economic analysis tools and developing economic way-of-thinking skills. In macroeconomics, the focus is on analyzing the process of decision making in a macroeconomic context. Throughout the course, students will learn that knowledge of economics and methodology of economic analysis leads to practical, informed, and sound decisions.

Prerequisite: Graduate standing.

PADM 6510 (3)

Public Finance

This course provides an introduction to the theory and practice of public finance. Students learn the theoretical concepts and tools of public finance and apply them in the practice of public administration. It covers a wide range of issues in public finance with a focus on current policy debates and controversies regarding taxation and government spending in the U.S. Topics covered include market failure, the provision of public goods, cost-benefit analysis, public expenditures, government taxation, and the principles of government finance.

Prerequisite: Graduate standing.

PADM 6600 (3)

Strategic Thinking for Non-profit Organizations

This course is designed to provide an introduction to the leadership skills and strategic thinking needed to be successful in the non-profit sector in the United States. Topics covered in the course include the nature and scope of non-profit organizations; mission statements, ethics and cohesion; leadership; building organizational capacity; fundraising and revenue generation; building and sustaining relationships with external constituencies; finding, training, and supervising volunteers; governance and boards of directors; evaluation of operations and programs; and sustainability of non-profit organizations.

Prerequisite: Graduate standing.

PADM 6610 (3)

City Management and Urban Policy

The study of urban governance provides a valuable insight into economic, social, and political forces and how they shape city life. This innovative course casts new light on the issues and re-examines the state of urban governance at the start of the twenty-first century. Models of urban governance, such as management, corporatist, pro-growth, and welfare, are assessed in terms of implications for the major issues, interests, and challenges in the contemporary urban arena.

Prerequisite: Graduate standing.

PADM 6640 (3)

Diversity in the Workplace

As the work force changes domestically and globally, individual and organizational strategies for working cross-culturally and ethically must be adopted. This course looks at the diversity in society and how organizations need to reflect on those diversities to allow them to offer more adequate services. The purpose of this course is to increase an understanding of relevant human differences in organization, to develop behavioral skills for working with these differences, and to show that using the diversity at all levels within the organization helps to provide a wider range of solutions to all kinds of problems.

Prerequisite: Graduate standing.

PADM 6998 (3)

Special Topics in Public Administration

This course provides an opportunity for students to explore other areas directly related to the public administration curriculum but not included in the program of study. These special topics would be offered based on student interest and current events. Course content will vary, and the course may be repeated as topics change. Examples include potential courses in public personnel administration, grant writing, group dynamics in the public sector, violence in American society, and disaster preparedness and response.

Prerequisite: Graduate standing.

PADM 7001 (3)

Professional Paper I

This capstone is the first of two courses required near the end of the student's MPA program. It is, first, a review of the salient points from the program of study and culminates in a comprehensive exam. Second, it is a preparation for Professional Paper II, which gives the student the option of researching and writing a thesis on a public administration issue or completing an applied research project. It will be team-taught using topic matter experts (appropriate MPA program faculty) and HPU's reference librarian staff, as needed.

Prerequisite: Advisor approval.

PADM 7002 (3)

Professional Paper II

This capstone is the second of two courses required near the end of the student's MPA program. In this course, the student implements the option of researching and writing a thesis on a public administration issue or completing an applied research project. Public administration issues may include topics like the U.S. economy, social equality, criminal justice, etc. The applied research project option may include an objective or problem of concern to an entity or unit of the U.S. federal government, a state, city, or a non-profit. Each student's study will be facilitated by a subject-matter expert from the MPA faculty and mentored by HPU's reference librarian staff, as needed.

Prerequisite: Program Chair approval.

PH—Public Health

PH 1000 (3)

Introduction to Personal and Community Health

This is an introductory course in the study of health science content areas that familiarizes students to the study of health and wellness involving mental and emotional, family/social, spiritual, physical, and environmental health. Key components of the course emphasize personal responsibility and healthy behaviors. Students will also examine how Hawaiian culture relates to health promotion, disease and disability prevention, treatment, and control.

PH 1100 (3)

Introduction to Human Sexuality

This course will introduce students to the subject of human sexuality from a broad perspective with particular attention to the multiple dimensions of sexual health: physical, psychological, developmental, and interpersonal. Topics include reproductive anatomy/physiology, gender identity, love and intimacy, pregnancy and birth, sexually transmitted infections, and sexuality across the lifespan. Course goals are to present factual information, emphasize healthy behaviors, and promote scholarly examination of personal, social, and ethical factors in sexual expression. Sex is an appropriate and important topic of study, and our understanding will be enhanced by reading about, thinking about, and discussing many aspects of human sexuality.

PH 1200 (3)

Introduction to Public Health Professions

This course explores how the historical development of human societies led to the creation and evolution of the public health field and how this has altered the course of human history. Students will explore the philosophical and scientific underpinnings of public health and the factors that have shaped the development of modern public health services. The evolution of modern public health structures and functions will be examined within the context of society structure, historical events, and scientific understanding. Concepts of population health, disease control/prevention, disability, and premature death will be examined through discussion of contemporary and historical case studies.

PH 1300 (3)

Public Health Ethics

This course will explore the complex ethical issues in public health policies, research, and practices. Students will learn the evolution of and explore many other dimensions of public health ethics from local to international as well as from historical to present-day cases, including individual health, community health, and environmental health. The roles of politics, culture, morals, and philosophical theories will also be examined.

PH 2010 (3)

Drugs and Society

Students will critically analyze the history, trends, future outlook, and issues regarding drugs and drug use and misuse, as well as the attitudes, values, policies, and practices of diverse groups, communities, and populations. This course takes a multidisciplinary approach to study the effects of drug use and misuse (e.g., over-the-counter drugs, illicit drugs, tobacco, and alcohol) on human physiology and society. Community and population health promotion are emphasized in this course.

Prerequisite: Any WC&L II course.

PH 2020 (3)

Human Disease

This course reviews normal human anatomy and physiology and then integrates abnormal human anatomy and physiology by organ systems. Pathology, clinical manifestations, medical

diagnosis, medical treatment, and public health interventions to prevent and control diseases are discussed.

Prerequisite: Any WC&IL I course (may be taken concurrently).

PH 2060 (3)
Comparative Healthcare Systems

This course will compare and contrast the provision, funding, and governance of healthcare programs across a variety of healthcare systems around the world. Students will examine the advantages and disadvantages of the different major healthcare systems such as national health services, social insurance, and private insurance. Primary care, curative medicine, and chronic care will also be explored. This course will study healthcare systems from several countries (e.g., United States, Australia, Singapore, Germany, Japan, Netherlands, Taiwan, Britain, New Zealand, Sweden, Canada, Russia, Korea, India, Nigeria, Mexico, and the Philippines).

PH 3000 (3)
Community Health Theory and Practice

This community health course examines research and practice areas within community health, such as epidemiology, community organization, program planning, health education, health promotion, minority health, health care, mental health, environmental health, drugs, safety, and occupational health. Best practices are highlighted through case studies.

PH 3001 (3)
Research, Evaluation, and Planning for Public Health

Evidence-based research in public health. Students will develop and apply the basic skills in scientific reasoning; research methodologies, evaluation, and planning for their application to public health practices; critically assess research in the public health literature; develop appropriate research questions; apply theoretical frameworks; employ qualitative and experimental research methodologies for evidence-based practice; consider ethics questions; and construct an evidence-based research protocol for practice.

PH 3015 (3)
Culture and Health

This course explores the relationships and dynamics among various components of culture, health, and illness. Focus is placed on understanding the impact of culture on health, health beliefs, and health practices, with emphasis on different multicultural populations. The impacts of societal norms, legal/political factors, and ethical considerations influencing health education, health promotion, program planning/implementation/evaluation, healthcare policies, service delivery, and health disparities are addressed.
Prerequisite: PH 2060, NUR 2950, or SWK 2010.

PH 3020 (3)
Epidemiology

An overview of the relationships between potential risk factors and health outcomes and how causal relationships are interpreted for public health decision making. This course will provide a comprehensive understanding of sources of population data in term of morbidity, mortality, and other vital statistics. Scientific methods for approaching population data and identifying public health problems and empirical analysis of data will be emphasized. Critical evaluation of medical and public health literature is included.
Prerequisite: MATH 1123, SOC 3200, or any statistics course.

PH 3025 (3)
Sexuality in Health & Society

This course explores advanced understandings of human

sexuality through a multi-disciplinary approach combining pedagogies, students, and faculty from different departments in the College of Health and Society. Concentrations will include: 1) bio-medical sexuality: sexual and reproductive health and disease, anatomy, and physiology; 2) psychosexual development: relationships, marriage, and family systems; sexual dysfunction; and trauma; 3) sexuality education and other organizational efforts that impact sexual behavior and health; and 4) sociopolitical issues: sexuality education; historical, legal, political, social, and ethical issues impacting sexuality.

Prerequisite: Any WC&IL II course.

PH 3030 (3)
Health Behavior Theory and Program Planning

Students will learn the theories and models commonly used by researchers to unravel the complex web of factors that influence how people think, decide, and behave in terms of their health and quality of life. The implications of these theories are then used by public health professionals to develop effective programs designed to promote health and prevent disease or disability wherever we live, learn, work, and play. During this course, students will plan and evaluate their own intervention programs that they will implement in real-world public settings.

Prerequisite: Any WC & IL II course or HON 1000; PH 1200 and 1300 (may be taken concurrently).

PH 3040 (3)
Health Education Planning, Theory and Practice

The analysis and application of teaching and learning with a health care context. Theories and principles of health education integrating sociocultural, physical, psychological, and developmental dimensions across the lifespan will be examined. Through a variety of activities, students learn how to assess learning needs, develop teaching plans, apply specific teaching strategies, and evaluate the effectiveness of health education for individuals and groups in various settings. Students will apply teaching and learning concepts and principles through completion of a community service-learning educational program.

Prerequisite: PH 3000, PH 3001.

PH 3050 (3)
Global Health

A comparative analysis of global health systems and how those systems influence morbidity and mortality statistics. This course will examine the effects of evidence-based global health promotion and disease prevention programs. Determinants of health status, such as genetics, access to health care, diseases and disabilities, sustainability, vital statistics, and social justice, will be discussed.

Prerequisite: Any WC&IL II course or HON 1000.

PH 3060 (3)
Global Aging

This course uses epidemiological methods to examine aging according to time, place, and person variables. The impact of global aging and challenges to public health and health care systems will be discussed. The shifting structure of support systems such governmental health agencies, United Nations, and non-governmental organizations will be examined.

Prerequisite: PH 3040.

PH 3070 (3)
Gerontology Theory & Practice

Exploration of changing health status and needs in middle age and older adult years. Discussion of psychological, social, spiritual, and physical health issues such as depression, drug use and abuse, social isolation, sexuality, and chronic illness. Health promotional and disease prevention approaches to

aging will be discussed, along with discussion of the health care delivery system, including long term care.

Prerequisite: PH 1000.

PH 3090 (3)
Public Health Communication

This course examines theory and promotes practice in communication issues and skills needed for the successful public health professional. Students in this course explore, practice, and produce different public health communications: a) scientific and professional written communication; b) social marketing and the use of social media; c) graphic displays of qualitative, descriptive, and continuous data; and d) oral communication for a variety of public health audiences. Various communication theories, as they apply to public health issues and audiences, will be explored with special attention to cultural competency and health literacy among diverse communities.

Prerequisite: WRI 1200.

PH 3999 (3)
Special Topics in Public Health

This course will focus on different special topics in public health depending on current issues, faculty expertise, and perceived interest in topics among undergraduate public health students. All topics will include content on related historical, political economic, and sociodemographic factors through the lens of scientific inquiry, public health theory, public health workforce, infrastructure, resources, and responses.

Prerequisite: Any WC&IL II course or HON 1000.

PH 4000 (3)
Environmental Health

Environmental health is a branch of public health that is concerned with how the environment, both natural and human-made, influences human disease, disability, and premature death. The course focuses primarily on the prevention and control of diseases and disabilities and how the environment may be modified to reduce risk. Topics such as sustainability, infectious agents, product and food safety, pollution, injuries, waste management, and occupational health will be examined. Service-learning activities are an integral part of this course.

Prerequisite: PH 1000, any WC&IL course.

PH 4010 (3)
Health Policy Analysis

An overview of the health care system in the United States and its challenges and instruction in the core elements of health policy and analysis including problem definition; background; political, economic, and social landscape; and development of policy options and recommendations. Emphasis will be on major health policy institutions and important issues that intersect these institutions. The key components include the major insurers, Medicare, Medicaid, Congress, and state legislatures. In addition, special focus will be given to the uninsured, quality of care, and long-term care.

PH 4020 (3)
Social Gerontology

Examines how health-related theories and social determinants of health are applied in gerontology to explain the health status of middle-aged and older adults. U.S. health care system, epidemiological factors, and life course perspective model will be examined.

Prerequisite: PH 3070.

PH 4030 (3)
Practicum I

This is the first of two required practicum courses. A

minimum of 200 hours (3 credits) of nonpaid work experience in a pre-professional, managerial, supervisory, or technical setting in a career related area under supervised conditions.

Prerequisite: Any WC&IL II course or HON 1000.

PH 4600 (3)
Grant writing in the Health Professions

This course covers the foundations for grant writing in the health professions and covers assessment, planning, implementation, and evaluation of the grant writing process. It also examines skill development in matching community/school need with grant-funding sources.

Prerequisite: PH 1000.

PH 4910 (3)
Practicum II

This is the final required practicum course designed for students to apply theory and master skills necessary for entry-level positions in health education and health promotion. A minimum of 200 hours (3 credits) of nonpaid work experience in a pre-professional, managerial, supervisory, or technical setting in a career related area under supervised conditions.

Prerequisite: PH 4030; Co-requisite: PH 4920.

PH 4920 (3)
Public Health Capstone Seminar

This capstone course for Public Health majors is designed to provide a framework for students to integrate health-related topics and issues into a culminating experience. Students will analyze and reflect on individual and sociocultural health issues and problems involving the promotion and maintenance of psychological, social, and physical states of health and well-being based on relevant physical and social sciences, skills, and knowledge of health education as they apply to diverse and vulnerable populations. Critical thinking, project planning and management, communication, and analytic skills are integrated.

Prerequisite: PH 4030.

PH 6100 (0)
Foundations of Public Health and Advanced Practice Roles

This course presents the overarching framework, scientific and foundational principles, and responsibilities in public health. Public health services will be discussed and analyzed. Students will examine the science of protecting and improving the health of populations through research, health promotion, and disease prevention. Advanced practice roles in public health will be examined.

PH 6120 (3)
Biostatistics

This course provides an introduction to selected important topics in biostatistical concepts and reasoning essential for use in the understanding of epidemiology, research methods, and program evaluation. Students will analyze current statistical techniques, construct tables and figures, and interpret statistical results.

Prerequisite: MATH 1123 or equivalent.

PH 6140 (3)
Advanced Epidemiology

This course provides a comprehensive study of patterns of disease and injury in human populations and the scientific processes used to promote health and prevent disease. Students will apply epidemiological methods to explore current public health problems using a variety of study designs and analytical software including SPSS, Excel, and Epi Info.

Prerequisite: PH 6120 or equivalent graduate-level statistics course.

- PH 6160 (3)**
Social Determinants of Health
 This course will provide an in-depth exploration of the social determinants of health including historical and current racism, sexism, socioeconomic status, education, culture, community and organizational norms; health care; and the built environment. Students will explore personal and others' experiences of these determinants and gain appreciation for their complexity and power. Students will apply these understandings towards public health solutions.
Prerequisite: PH 6100.
- PH 6200 (3)**
Chronic and Communicable Diseases
 This course examines major chronic and communicable diseases including causes, prevention, and treatment strategies from a public health perspective. Personal behaviors that promote health and reduce premature death and disease will be addressed as well as institutional factors, responses, and strategies.
Prerequisite: PH 2000 or equivalent undergraduate physiology course.
- PH 6220 (3)**
Health Behavior Change Theory and Program Planning
 This course explores behavior change theories as well as current theories and models for assessing, planning, implementing, and evaluating individual and community health programs. Students will design and analyze health education and health promotion programs.
Prerequisite: PH 6100, PH 6140.
- PH 6240 (3)**
Multicultural Health
 This course will provide an in-depth exploration of various cultures in the U.S. and the Pacific Rim, including ethnic, religious, cultural, historical, sexual and gender, and refugee communities and people with disabilities. Emphasis will be on learning and applying cultural humility and competence in designing public health interactions that are culturally appropriate and accessible to various communities.
Prerequisite: PH 6100.
- PH 6260 (3)**
Environmental and Occupational Health
 This course focuses on environmental and occupational hazards and their impact on individual and community health and safety. Foci will include risk assessment and characterization; prevention strategies; and historical, political, economic, and policy considerations.
Prerequisite: PH 6100, PH 6140.
- PH 6300 (3)**
Public Health Research Methods
 This course investigates quantitative and qualitative methods used in public health research and program evaluation. Students will apply scientific reasoning, research methods, and evaluation and planning applicable to public health practice; critically analyze research in public health literature; and develop appropriate research questions with relevant qualitative and quantitative methods.
Prerequisite: PH 6140.
- PH 6400 (3)**
Health Policy, Law, and Advocacy
 An overview of the U.S. public health and health care systems and applicable laws and policies. Health policy analysis is the main focus of this course. Emphasis will be on major health policy institutions and important issues that intersect these institutions. Key advocacy issues will be discussed.
Prerequisite: PH 6300.
- PH 6420 (3)**
Social Justice and Public Health Advocacy
 This course explores public health advocacy, community organizing, social capital, social justice, and asset-based approaches to promoting community health resilience and well-being.
Prerequisite: PH 6100.
- PH 6460 (3)**
Public Health Program Planning and Leadership
 This course examines the models and methods used by health professionals, educators, and community leaders for planning, implementing, and evaluating various public health programs and interventions. Students will identify a health problem and target population of their interest, with the majority of the course term dedicated to planning their own public health programs. Students will study and apply theories and practices of leadership, workplace/community engagement, and organizational success in the context of program planning.
- PH 6500 (1 to 6)**
Field Training I: Community Health Assessment, Program Planning, Implementation, and Evaluation
 This course is the first part of the culminating experience of the MPH program. MPH candidates will identify and apply for a field-based internship at a public health agency/program and be responsible for an original project that benefits their internship site. A minimum of 126 hours must be completed.
Prerequisite: Approval of faculty advisor.
- PH 6550 (1 to 6)**
Field Training II: Community Health Assessment, Program Planning, Implementation, and Evaluation
 This course is the second part of the culminating experience of the MPH program. MPH candidates will identify and apply for a field-based internship at a public health agency/program and be responsible for an original project that benefits their internship site. A minimum of 126 hours must be completed.
Prerequisite: Approval of faculty advisor.
- PH 6999 (3)**
Special Topics in Public Health
 This course will focus on different special topics in public health depending on current issues, faculty expertise, and perceived interest in topics among MPH students.
- PH 7000 (3)**
Public Health Capstone
 This course is a rigorous culminating scholarly endeavor in which the student will integrate theoretical knowledge, field experience, and research in a faculty-guided capstone project that may include a program proposal, a research paper, or implementation of a public health intervention. Repeatable up to 6 credits.
Prerequisite: Approval of faculty advisor.
- PHIL—Philosophy**
- PHIL 1000 (3)**
Introduction to World Philosophies
 A general introduction to world philosophies in which philosophical problems such as the existence of God and the problem of evil, utilitarianism and justice, our knowledge of the external world, the relationship of mind and matter, free will and determinism, and topics in applied ethics will be considered.
- PHIL 1001 (3)**
Philosophies of Hawai'i and the Pacific
 An introductory study of the intellectual traditions of

civilizations native to the Asian-Pacific region. Primary attention is on the intellectual traditions of Polynesia, China, and Japan. These are encountered through translated works, oral traditions, secondary sources, and field experiences. Topics include critical understandings of personal and communal identity, value, spirituality, theories of reality, and ways of knowing in Asian-Pacific traditions.

PHIL 2090 (3)
Principles of Logic

The study of the elements of logic. The course promotes critical thinking and sound decision-making by clarifying the nature and importance of logical consequences and by providing intensive practice in recognizing examples of logical consequences. The development of logic as a discipline and its affinities with quantitative reasoning are stressed.

Prerequisite: Any WC&IL I course.

PHIL 2500 (3)
Ethics in America

This course introduces students to a range of moral issues (such as abortion, euthanasia, and gay marriage) which are the subject of social ethics and moral policy in America, as seen through the lenses of indigenous and African-American thought and contemporary American moral philosophers. Students will become acquainted with moral theories and important legal cases. Group Socratic discussion involving critical thinking and the articulation and defense of moral reasoning will be emphasized.

PHIL 3200 (3)
History of Western Philosophy

An examination of the development of philosophical thought in the Western world from ancient Greece and Rome through Medieval and Renaissance Europe. The modern period of Renaissance Europe, the Rationalists, Empiricists, Kant, Hegel, and other nineteenth-century thinkers are also examined.

Prerequisite: Any WC&IL II course.

PHIL 3260 (3)
Exploring Film

An exploration of film: its power, potential, and limits as a medium of philosophic thought, as a means to moral and social insight, and as a tool in international understanding.

Prerequisite: Any WC&IL II course.

PHIL 3300 (3)
History of Asian Philosophies

The study of major developments of philosophical thought in India, China, and Japan including Hinduism, Confucianism, Taoism, and Zen. Where possible, emphasis is on reading original texts in English translation.

Prerequisite: Any WC&IL II course.

PHIL 3301 (3)
Yoga Philosophy

A study of classical Indian philosophy through yoga philosophy and practice. Emphasis is on reading original texts (e.g., Upanishads, Bhagavad Gita, Yoga Sutra, etc.) in English translation accompanied by secondary source writings and lectures on key philosophical concepts such as *askarma* and rebirth. To demonstrate the relation between yoga practice and philosophical ideas, students will be instructed, to a limited degree, in the practice of meditation and yoga postures when possible.

Prerequisite: Any WC&IL II course

PHIL 3501 (3)

Philosophy of Art and Aesthetics

The study of the traditional and contemporary issues in the philosophy of art: definition of art, truth in art, art and emotion and interpretation, and evaluation of works of art in literature, music, painting, and film.

Prerequisite: Any WC&IL II course.

PHIL 3651 (3)
Environmental Ethics

An examination of ethical issues in the resolution of conflicts between individual and societal needs and wants and environmental well-being.

Prerequisite: Any WC&IL II course.

PHIL 3721 (3)
Philosophy in Contemporary Literature

A consideration of literature as a means of expressing philosophic ideas: questions, answers, and speculations about the nature of reality and meaning of life. Short and long fiction are featured, but other literary genres are covered as well.

Prerequisite: Any WC&IL II course.

PHIL 3731 (3)
Philosophy of Social Sciences

An examination of the key working assumptions held by social scientists about: one, the kinds of factors that influence human behavior; two, the extent to which human behavior can be studied scientifically; and three, the alternative approaches to attaining a scientific knowledge of human behavior patterns.

Prerequisite: Any WC&IL II course.

PHIL 3741 (3)
Philosophy of Law

An introduction to legal studies examining three questions: how laws differ from other social norms; what important needs of the individual and society get satisfied through the development of a legal system; and how the most influential legal systems have differed with respect to suppositions about the rights of society and the individual and the means of protecting such rights.

Prerequisite: Any WC&IL II course.

PHIL 4500 (3)
Global Justice

This course will focus on concepts, dilemmas, and ideals which give rise to perplexities regarding social justice. Topics include: conflicts between nationalism and cosmopolitanism, human rights and the dangers of interventionism, global poverty and considerations of distributive justice, women and global justice, and international environmental justice.

Prerequisite: Any WC&IL II course.

PHIL 4501 (3)
Rethinking Social Values

A consideration of important shifts in attitude about the role, the rights, the obligations, and the goals of both the individual and the community (national as well as global) in the first quarter of the 21st century. Particular attention is given to issues such as abortion, euthanasia, the death penalty, global justice, animal rights, and the environment.

Capstone course.

Prerequisite: Any WC&IL II course.

PHIL 4721 (3)
Philosophy of Education

A consideration of important shifts in attitude about the role, the rights, the obligations, and the goals of both the individual and the community in the latter quarter of the twentieth century. Particular attention is given to attitudes about family structure, the environment, war, individual

liberties, work, aging, and the pursuit of happiness.

Prerequisite: Any WC&IL II course.

PHIL 4997 (3)

Directed Readings in Philosophy

Directed individualized reading.

Prerequisite: Any WC&IL II course.

PHIL 6011 (3)

Seminar: World Philosophies

This course is concerned with those philosophers and schools of philosophy significantly influencing the conceptual orientations, values, and ideals foundational to Eastern and Western cultures respectively.

Prerequisite: Graduate standing.

PHIL 6600 (3)

Seminar: Professional Ethics and the Military

This course is concerned with the ethics of warfare and professional conduct. Attention will be paid to ethical theory, the tradition of military virtues, and the moral imperatives that distinguish the profession of arms. Topics may include legal and illegal orders, just war, and the treatment of noncombatants.

Prerequisite: Graduate standing.

PHYS—Physics

PHYS 1000 (3)

Physical Science

An introductory survey of the major areas of the physical sciences designed to equip students with information that will enable them to make rational, informed decisions about relevant scientific issues. Includes topics in chemistry, physics, geology, and astronomy.

Prerequisite: MATH 1105 or higher.

PHYS 1020 (3)

Astronomy

A study of the planets, stars, galaxies, and their origins. Students will also learn how telescopes, stellar spectra, and other methods of astronomical observation are used in research. Topics include the planets and their moons, the sun, galaxies, black holes, pulsars, and the life history of a star. No laboratory.

PHYS 1030 (3)

Introductory Physics

A qualitative and quantitative exploration of the major ideas of physics with a discussion of appropriate technological applications for students who need to be scientifically literate in physics but who are not planning careers in science or technology.

Prerequisite: MATH 1130 or higher.

PHYS 2030 (3)

College Physics I

The first semester of an algebra-based study of mechanics, thermodynamics, and wave phenomena with an emphasis on problem solving.

Prerequisite: MATH 1140, 1150 or higher. *Co-requisite:* PHYS 2031.

PHYS 2031 (1)

College Physics I Laboratory

Laboratory component of PHYS 2030.

Co-requisite: PHYS 2030.

PHYS 2032 (3)

College Physics II

A continuation of PHYS 2030. Includes electricity and

magnetism, optics, and topics in modern physics.

Prerequisite: PHYS 2030*. (*Must have a grade of C or higher.)

PHYS 2033 (1)

College Physics II Laboratory

Laboratory component of PHYS 2032.

Prerequisite: A grade of C or better in PHYS 2031; PHYS 2032 or concurrent.

PHYS 2050 (3)

General Physics I

The first semester of a rigorous, calculus-based study of mechanics, thermodynamics, and wave phenomena with an emphasis on problem solving.

Prerequisite: MATH 2214 or higher except MATH 2326/3301. *Co-requisite:* PHYS 2051.

PHYS 2051 (1)

General Physics I Laboratory

Laboratory component of PHYS 2050.

Prerequisite: PHYS 2050 or concurrent. *Co-requisite:* PHYS 2050.

PHYS 2052 (3)

General Physics II

This course is a continuation of PHYS 2050 covering electricity and magnetism, optics, and topics in modern physics.

Prerequisite: A grade of C or better in PHYS 2050 and MATH 2215.

PHYS 2053 (1)

General Physics II Laboratory

Laboratory component of PHYS 2052.

Prerequisite: A grade of C or better in PHYS 2051; PHYS 2052 or concurrent.

PHYS 2054 (3)

General Physics III—Modern Physics

This course is a rigorous, calculus-based study of modern physics. Topics include relativity, wave nature of particles, quantum mechanics, atomic structure, molecules and condensed matter, nuclear physics, particle physics, and cosmology.

Prerequisite: MATH 2215 and PHYS 2052.

PHYS 2055 (1)

General Physics III Laboratory

This course is the calculus-based laboratory component of Modern Physics, PHYS 2054. Topics include: geometrical optics, interference, diffraction, special relativity, quantum mechanics, atomic physics, and solid state physics.

Prerequisite: PHYS 2053 and completion or concurrent enrollment in PHYS 2054.

PHYS 4950 (1 to 3)

Physics Practicum

PMED—Pre-Medical Studies

PMED 3900 (2)

Premedical Studies Seminar

Seminar for students in health-related fields.

Prerequisite: CHEM 2052.

PMED 3950 (1)

Pre-Medical Studies Practicum

Students apply and integrate classroom theory in a research situation under close faculty supervision.

PMED 3990 (1 to 3)

Non-Paid Internship

PMED 3991 (1 to 3)

Paid Internship

PSCI—Political Science

PSCI 1400 (3)

American Political System

An analysis of the American political system. Topics include the central theme of democracy in American politics as well as structural factors including the Constitution, our federal system, media, public opinion, interest groups, and social movements. Additional topics deal with how federal institutions such as the Congress, the presidency, the bureaucracy, and the Supreme Court work. The course looks at federal policy in civil rights and liberties, the economy, social welfare, foreign policy, and national defense.

PSCI 2000 (3)

Introduction to Politics

This course is designed to help the student better understand the political world. It surveys the central analytical concepts of political science that help explain the realities of the political world in the early 21st century. The level of analysis ranges from the individual's political beliefs and actions to the political orientations of groups and states, as well as the dynamics of the international political system.

PSCI 2100 (3)

Fundamentals of Social Science Research

This course will introduce students to the field of social scientific research with special emphasis on their roles as consumers of research in their intended majors.

PSCI 2500 (3)

World Politics

A course that provides a survey of the trends and major issues confronting the world today in the early 21st century. It examines trends such as the rise of nationalism, the revival of religion as a political factor, and economic changes like regionalism within the emerging global economy. Contemporary issues of conflict and cooperation such as terrorism, pollution, human rights, global cultural integration, and trade are examined.

Prerequisite: Any WC&IL I course.

PSCI 3000 (3)

History of Political Thought

A survey of contemporary political thought to include philosophic and popularized treatments of communism, anarchism, and democratic theory (e.g., conservatism and liberalism). The relationship between political theory and both political institutions and political behavior is emphasized.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 2000.

PSCI 3010 (3)

Political Socialization

An analysis of the institutions that socialize the individual into the political system. The course focuses on political culture, political participation, attitudes and their behavioral roots, and ramifications for the political system.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

PSCI 3200 (3)

Public Administration

A general introduction to the administration of and in the public bureaucracy. Topics include: theories of administrative organization, principles and methods of administrative

management, executive leadership, interpersonal and intergroup relationships, levels of decision-making, public personnel management, public finance, ethics, and responsibilities.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3250 (3)

Public Policymaking

Politics begins with ideas, complaints, and demands. How does an idea become a law? What is the process? What are the strategies for trying to forward one's concerns? These matters are the focus of this course.

Prerequisite: PSCI 1400 or 2000; Any WC&IL II course.

PSCI 3401 (3)

Issues in American Politics

A course that provides students with immediate understanding and analysis of current political issues, trends, dilemmas, processes, and problems. Students read a variety of approaches to the issues that are the focus of the course, and they become conversant with terminology and philosophies that inform the solutions to topics in American politics.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

PSCI 3411 (3)

The United States Presidency

A course that focuses on the institution of the presidency in both historical and contemporary political context. Students become familiar with political behavior as well as presidential decision-making. The role of the president is examined from several perspectives that include: commander-in-chief, head of state, chief of state, chief legislator, voice of the people, and manager of prosperity. In addition, the presidency is studied in relationship to the Congress. Students also consider what the dynamics are among the White House, the Capitol, and the executive bureaucracy.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 1400 or 2000.

PSCI 3412 (3)

American Foreign Policy

A survey of the variety of forces that shape foreign policy for the United States. It highlights major policy problems on the agenda and addresses questions of grand strategy, regional and bilateral relations, and the ways in which domestic forces affect the content of American foreign policy. The course also examines the key institutions and actors involved in foreign policy making, a wide range of recent foreign policy decisions, and the economic and military issues confronting the United States in the early 21st century.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

PSCI 3413 (3)

Constitutional Law

This course is a survey of American constitutional law, as it has evolved over two hundred years of our nation's history, with an emphasis on that law's profound impact on American politics. As such it focuses primarily on the United States Supreme Court, which is the ultimate interpreter of the Constitution. This course also explores the relationship between the judicial branch of government and the other two branches.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 1400 or 2000.

PSCI 3415 (3)

State and Local Government

A survey of state and local government and politics. The course includes units on: constitutions and charters; executives, legislatures, and judiciaries; parties and pressure

groups; elections; styles of local and state politics; urban problems and the response of state and local government thereto; and the dynamics of federalism.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 2000.

PSCI 3416 (3)
Elections in Hawai'i

The study of the electoral process in general, particularly at the state and local levels; and analysis of past and current political races in Hawai'i. Candidates are invited to be guest speakers. This course is given only in election years.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 1400 or 2000.

PSCI 3430 (3)
America: Images from Abroad

A course that looks at and evaluates other cultures' views of America from various perspectives. The angles of vision include: American government, popular culture, economic system, social problems, and social movements. Students read critiques and comments from other perspectives, including Asian, Latin American, and European, on American culture and politics.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 1400 or 2000.

PSCI 3500 (3)
Comparative Politics

The course explores how different political systems are formed, maintained, and then change. It examines politics in democratic, democratizing, and authoritarian nations and highlights issues such as governmental systems (parliamentary and presidential systems), types of electoral systems, unitary vs. federal states, political economy, social movements, and political change. It focuses on a broad political analysis of several countries in such regions as Asia, Europe, and the Americas.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3510 (3)
Political Development

An analysis of the political development of emerging and recently-emerged nations of the world within the context of international politics and economics. The idea of political development will be explored comparatively in terms of basic political institutions, attitudes, behaviors, aspirations, ideologies, and economic realities. This course may focus on a particular country to illustrate political development in a more-narrow case study.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3520 (3)
Politics and Government in Asia

This course provides a broad overview of the different governmental structures and organizations, as well as history and political cultures, of a range of states in Asia, including (but not limited to) Japan, the Koreans, China. Topics may include economic development, party systems, transitions to democracy, social movements, contrasting conceptions of human rights, and integrating minority groups.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3525 (3)
Islam and Politics

This course introduces students to a variety of political movements that purport to be based on an interpretation of

Islam. These interpretations and the the movements' ideologies, objectives, and strategies will be compared in order to appreciate the range of political movements organized under the banner of "Islam."

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3540 (3)
The Politics of Terrorism

This course will examine the phenomenon of terrorism from various perspectives: historical, philosophical, theoretical, cultural, and psychological. Each student will write an extensive research paper of a terrorist organization.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3550 (3)
Women and Politics

This course examines women in various countries around the world in respect to their access to power and decision-making. The course is predicated upon the history of women in the U.S. political system. Comparisons are made between and among women in various religious and political cultures.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3560 (3)
The Politics of Culture and Race

This course will focus on the concept of race as it functions and is experienced in Latin America, North America, South Africa, the Pacific, and East Asia. We will investigate the ways in which race serves to express, negotiate, and challenge power relations in the political, economic, and social spheres.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3580 (3)
Comparative Political Economy

An exploration of the comparative political economy of newly-industrializing economies (NIEs) in Asia, the Americas, and East-Central Europe. Topics include the effects on governments and people in NIEs of the new global economy, the emergence of regional trading blocs, and a range of economic policy changes and political issues.

Prerequisite: Any lower-division social science course plus any WC&IL II course.

PSCI 3610 (3)
Politics in Literature

A consideration of various Asian, European, and American writers whose works have attempted to create political consciousness in the reader. A key theme of the course is the power of literature to move individuals, groups, and societies. The political novel is featured, but other literary genres are covered as well.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSCI 1400 or 2000.

PSCI 3620 (3)
Politics in Film

An interpretive examination of various Asian, European, and American films, with a view to understanding how the director, as a political actor, sends his message. The course intends to demonstrate the power of film as a political medium and to consider various major political themes expressed via film.

Prerequisite: PSCI 1400 or 2000; any WC&IL II course.

PSCI 3650 (3)
Intelligence Studies

This course gives students grounding in the academic field of

intelligence studies, including both the intelligence community and the uses of intelligence. It will first cover the historical development of the modern intelligence community. Then it will review major issues and types of intelligence with historical case studies. Finally, contemporary debates in intelligence reform and the Global War on Terrorism (GWOT) will be examined in detail.

Prerequisite: PSCI 1400, 2000, or 2500; any WC&IL II course.

PSCI 3950 (1 to 15)
Political Science Practicum
 Repeatable for a total of 9 credits.

PSCI 3990 (1 to 3)
Nonpaid Internship
 See Internship Section.

PSCI 3991 (1 to 3)
Paid Internship
 See Internship Section.

PSCI 4900 (3 to 6)
Senior Seminar
 A capstone course for international relations and political science majors that includes an in-depth survey of the major methodologies and theories in the fields of American, comparative, and international relations. Students will be responsible for leading a discussion seminar and producing a major research paper. Attention will also be given to career and graduate school planning beyond graduation. **Capstone course.**

Prerequisite: Senior standing.

PSCI 6151 (3)
Global Governance
 This course examines global governance in an increasingly interdependent world. This includes international or transnational structures such as formal international inter-governmental organizations (UN, WHO, WTO, APEC) and international non-governmental organizations (Oxfam, Doctors Without Borders, Human Rights Watch), international rules or laws, norms or “soft law,” and international regimes in such areas as peacekeeping, disaster management, trade, and social and humanitarian issues.

Prerequisite: Graduate standing. Restricted to students pursuing master’s degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6300 (3)
Indian Foreign and Security Policy
 In this course, students explore the foreign and security issues dealing with the rise of India in both Asia and the wider world. The course will cover India from independence to the present, with an emphasis on the post-Cold War period. Equal attention will be given to both internal politics and security and external foreign and security issues. Potential topics will include the structure of the important actors (the prime minister and government, the bureaucracy, the military, etc.), internal violence and revolutionary movements, Indo-Pakistani security issues, Sino-Indian relations, India’s relationship with the rest of the Indian Ocean region, the Indo-U.S. relationship, economic and energy issues, and other related topics.

Prerequisite: Graduate standing.

PSCI 6400 (3)
Chinese Foreign Policy
 An overview of the foreign policy of the People’s Republic of China (PRC) since 1949, emphasizing the post-Cold War

period, and its role as a regional power in Asia. The PRC-US relationship will also be explored, with reference to their shared and conflicting interests in Asia.

Prerequisite: Graduate standing. Restricted to students pursuing master’s degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6451 (3)
Seminar: The Military in Latin American Politics
 An examination of the role of the military and the experience of military governments in Latin American politics. It emphasizes both a historical perspective and an analysis of current trends in civil-military relations, guerrilla insurgencies, and U.S.-Latin American relations. Special emphasis is placed on recent transitions from authoritarian rule in the Americas and issues of rule of law, human rights, and governance.

Prerequisite: Graduate standing. Restricted to students pursuing master’s degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6601 (3)
Seminar: Diplomacy and International Relations
 A graduate-level seminar that highlights the changing nature of international relations in a new era of globalization and terrorism. The course introduces students to the “classical” study of international relations using the opposing paradigms of modern IR theory: realism and liberalism. It looks at specific theoretical issues (the role of institutions, globalization, terrorism, etc.) through the lens of regions and specific countries. Students explore through research and their own presentations/participation a contemporary conflict.

Prerequisite: Graduate standing.

PSCI 6605 (3)
Seminar: Islam and Politics
 This course introduces students to a variety of political movements that purport to be based on an interpretation of Islam. These interpretations, as well as the movements’ ideologies, objectives and strategies, will be compared in order to appreciate the range of political movements organized under the banner of “Islam.”

Prerequisite: Graduate standing. Restricted to students pursuing master’s degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6610 (3)
Seminar: Politics of Developing Nations
 A survey of political, social, and economic change in less developed countries and the relationship among elements of change. The course provides a critical overview of dominant theories of development, highlighting international and internal forces affecting less-developed countries, and North-South relations in the post-Cold War world.

Prerequisite: Graduate standing. Restricted to students pursuing master’s degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6620 (3)
Peacebuilding and Conflict Management
 A graduate-level course that examines approaches to preventing and managing international conflict, including preventative diplomacy, negotiation, third-party resolution, track-two diplomacy, and evolving collective security arrangements. It analyzes the institutions, both official and nongovernmental, that engage in peacemaking and provides

detailed case studies of conflict management and dispute resolution.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6630 (3)
National and International Security

This course explores how conceptions of national security have changed from the Cold War to the Global War on Terror and how institutions of American government have adapted to these new conceptions. Theoretical discussion will be linked to such practical concerns as airpower, intelligence reform, homeland security, and reform of the defense establishment.
Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6650 (3)
Seminar: Foreign Intelligence

The course is a graduate-level introduction to U.S. intelligence, its practice, effectiveness, and rationale. It explores the relationship between intelligence and U.S. national security, both during and after the Cold War. The course will address such issues as intelligence analysis, organization, and oversight, as well as the concerns and perspectives of producers and consumers.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6660 (3)
Seminar: Resistance and Rebellion

An analysis of various patterns of resistance and rebellion in developing countries. Using a multidisciplinary approach, the course places them within the political, social, economic, and cultural context. Topics may include indigenous resistance against various aspects of colonial rule, resistance and revolution in the twentieth century, sources of rebellion, and efforts to incorporate guerrilla groups into the political system.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6661 (3)
Seminar: The Politics of Terrorism

Clausewitz argued that war was "an extension of politics by violent means." If we substitute terrorism for war, we confront one of the major challenges facing the world today. This course explores the historical context, the theoretical origins, and "political" acts of terrorism from their origin until the present.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6670 (3)
Seminar: Democratization and Human Rights

A course that introduces students to the development of universal human rights norms in the international system. The seminar examines contemporary debates concerning the universal implementation of human rights; efforts to implement these at the national, regional, and international levels; and the links between human rights and democratization.

Prerequisite: Graduate standing.

PSCI 6671 (3)

Seminar: Transitions to Democracy

An examination of the recent transitions to democracy (successful or still in process) in European, Latin American, and Asian countries. The first part of the course considers a number of theoretical questions, among them the nature and weaknesses of authoritarian regimes as well as the general causes of their disintegration. The second part focuses on the processes of transition in Eastern and Southern Europe, Latin America, and Asia.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6680 (3)
Seminar: International Negotiating

The theory and practice of negotiating in the world arena. The emphasis is on negotiations with foreign governments. With the end of the Cold War, multilateral negotiations have acquired primary importance and provide additional complications. Students select a specific current or prospective negotiation, analyze the important elements and how they may appear to the parties, suggest an effective approach, and speculate on the possible results.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSCI 6990 (1 to 3)
Nonpaid Internship

See Internship Section.

PSCI 6991 (1 to 3)
Paid Internship

See Internship Section.

PSCI 6997 (3)
Special Topics in International Relations

This is a special topics seminar in political science. Course content will vary as set forth in an approved syllabus. Course may be repeatable as contents change (up to 6 credits).

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

PSY—Psychology

PSY 1000 (3)
Introduction to Psychology

An introductory course in psychology, covering the major processes underlying human behavior, cognition, and emotion. Specific units covered include: consciousness, sensation and perception, thought and language, human development, personality, social psychology, abnormal psychology, and the realization of human potential.

PSY 1100 (3)
Probabilistic Thinking: Randomness, Chaos, & Chance

An introductory course that teaches quantitative methods used in psychology along with psychological findings about how people think about probabilistic information. The course integrates techniques, strategies, and methods of critical thinking designed to compensate for systematic psychological errors. Specific topics include: descriptive and inferential statistics and human judgment and decision making.

PSY 2100 (4)

Statistics in Psychology

Provides skills necessary for data analysis in preparation for research methods course and prepares students to analyze and interpret social science research findings. Students study descriptive and inferential statistics and parametric and nonparametric methods. Includes selection of proper statistical measures and techniques and use of popular computerized statistical packages.

Prerequisite: PSY 1000; MATH 1120, 1123, or 1130 or higher, or PSY 1100.

PSY 2200 (4)

Research Methods in Psychology

Familiarizes students with principal research approaches, including descriptive, correlational, and experimental techniques and the strengths and limitations of each methodology. Includes hands-on experience in the formulation of proper research design, data collection and analysis, and professional communication of results and conclusions.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSY 2100.

PSY 2220 (3)

Social Psychology

PSY 3100 (3)

Learning and Cognitive Processes

A survey of the psychology processes in learning and cognition. This includes coverage of perception, attention, associative conditioning and other forms of learning, memory, language, creativity, reasoning, problem solving, and decision making. Students perform experiments to understand the methods of inferring these processes.

Prerequisite: PSY 1000, 2100, and PSY 2200.

PSY 3110 (3)

Human Development I

An examination of the emotional, mental, physical, and social development of individuals from infancy through adolescence. The process of human development is examined along with contemporary research focusing on human abilities and potential at different age levels.

Prerequisite: PSY 1000; any WC&IL II course.

PSY 3111 (3)

Human Development II

A continuation of the examination of the emotional, mental, physical, and social development of individuals from adulthood to death. The process of human development is examined, along with contemporary research focusing on human abilities and potential at different age levels.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSY 1000.

PSY 3120 (3)

Group Dynamics in Organizations

An introduction to theories of group dynamics and to current practices of modern management that utilize effective group processes in performing personnel management functions.

Prerequisite: BUS 1000, PSY 1000, SOC 1000, 2000, or 2100.

PSY 3121 (3)

Applications of Psychology to Management

An examination of the use of psychological theory for understanding and managing people at work. Major topics include: identifying individual strengths and weaknesses,

assigning work tasks, communicating effectively, and reinforcing/rewarding behavior in a way that is meaningful to the worker. Problem solving and team building are emphasized.

Prerequisite: BUS 1000 or PSY 1000.

PSY 3122 (3)

Industrial/Organizational Psychology

A survey of theory and research in the field of industrial/organizational psychology. Topics include: personnel psychology (recruitment, selection, training, and performance appraisal), leadership, team building and dynamics, psychological dimensions of organizational management, and human performance psychology (job design and specification).

Prerequisite: BUS 1000 or PSY 1000.

PSY 3133 (3)

Learning and Behavior

An examination of the behaviorist approach to understanding and influencing learning. Included are reviews of historical stimulus-response models and more current cognition-based models. Ethical questions associated with the goal of systematically studying and applying behavior influence principles are addressed, including questions of whether behaviorists seek to stifle "free will" and who decides what behaviors should be reinforced.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSY 1000.

PSY 3134 (3)

Educational Psychology

An introduction to the psychological foundations of education. The course includes units on motivation, learning, individual differences, and classroom management. It surveys major theorists in the field and confronts several contemporary controversies dealing with learning theory. The course is intended both for the would-be or practicing teacher and the psychology student.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSY 1000.

PSY 3135 (3)

Cognitive Psychology

A study of the processes by which sensory input is transformed, reduced, elaborated, stored, recovered, and used. Major topics include: pattern recognition, attention, memory, visual language, language, problem-solving, and decision-making. This course systematically describes these topics, explains their theoretical foundations, and reviews the empirical support for each. Practical applications to improving memory, thinking about people, and designing computer interfaces are also covered.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSY 1000.

PSY 3140 (3)

Psychology of Substance Abuse

A liberal arts survey of all aspects of drug abuse including pharmacology, physiology, history, culture, philosophy, and treatment.

Prerequisite: PSY 1000.

PSY 3150 (3)

Psychology of Tourism and Travel

A course designed to acquaint the travel industry student with the consumer-traveler. Understanding the traveler in psychological instead of demographic terms provides new insights into travel behavior for the future professional. The course focuses on why an individual traveler behaves in a particular manner. It differs markedly from the tourism literature that focuses on descriptions of the mass behavior

rather than explanations of individual behavior.

Prerequisite: HTM 1010 or PSY 1000.

PSY 3155 (3)

Sports Psychology

A systematic discussion and practice of the major mental skills required for optimal performance in physical sports. These include the relaxation response, directing attentional focus, becoming proficient in mental imaging, promoting positive thoughts, awareness of pain and pain control, and the effortless regulation of movement.

Prerequisite: PSY 1000; any WC&IL II course.

PSY 3160 (3)

Psychology of Music

This course introduces students to the psychology of music. A survey of topics in this field will include development of musical preferences, emotional responses to music, perception of musical elements, cultural values in music, and music therapy.

Prerequisite: PSY 1000 and any WC&IL II course.

PSY 3170 (3)

Psychology of Emotion

A survey of theories, models, and research on the psychological aspects of human emotion. Will present social, cognitive, behavioral, and biological perspectives. Will explore how current understandings of human emotions and motivations apply to areas such as achievement, health, relationships, addictions, and creativity.

Prerequisite: PSY 1000; MATH 1123 or PSY 2100; PSY 2200, SOC 2100, or 3100. (*May be taken concurrently.)*

PSY 3200 (3)

Biopsychology

Introduces the biological bases of human and nonhuman behavior, with emphasis on underlying physiological mechanisms and on the development, evolution, and function of behavior. Topics include neuroanatomy, neurochemical communication, sensation and perception, learning and memory, motivation, drugs, emotion, movement, sleep, consummatory behavior, reproduction, and abnormal behavior.

Prerequisite: PSY 1000, 2100, and 2200.

PSY 3211 (3)

Adolescent Psychology

An introduction to the field of adolescent psychology that covers both theory and research on emotional growth, family and peer relations, cognitive development, and other aspects of the maturation process. Theories examined in this course derive from the works of Anna Freud, Piaget, Kohlberg, Erikson, Sullivan, and others.

Prerequisite: A grade of C- or higher in any WC&IL II course; PSY 1000.

PSY 3235 (3)

Cross-Cultural Psychology

A study of cross-cultural differences in perception, motivation, expression, verbal and nonverbal behavior, and values and meaning systems and the implications of these differences for cross-cultural interaction and understanding.

Prerequisite: PSY 1000; any WC&IL II course.

PSY 3240 (3)

Client Counseling and Interviewing

Interviewing and counseling methods for work with clients on a one-to-one basis. The focus is on basic skills that can be used to assess a wide range of situations and engage

clients in problem solving. Also covered are factors relating to the human services worker-client relationship, including ethical issues associated with using relationship for therapeutic purposes.

Prerequisite: PSY 1000; any WC&IL II course.

PSY 3245 (3)

Group Counseling

Issues and methods in the use of small groups to promote personal growth, therapeutic interaction, and social change. Group formation, maintenance, and termination; group dynamics; and roles/skills appropriate to group leadership and membership.

Prerequisite: PSY 1000; PSY 2200, SOC 2100, or 3100.

PSY 3300 (3)

Social Psychology

An exploration of major theoretical paradigms as they are used to understand topics in social psychology, including social perception, attribution of causality, the self, emotions, attraction, prejudice and discrimination, attitude change, altruism, aggression, social influence, exchange and strategy, and physical well-being.

Prerequisite: PSY 1000, 2100, and 2200.

PSY 3310 (3)

Forensic Psychology

This course will provide a comprehensive overview of the forensic psychological research and the practice of forensic psychology. The student will become familiar with the forensic psychological literature, forensic psychological approaches and techniques in assessment and treatment, and many of the clinical/professional/ethical/legal issues surrounding the practice of forensic psychology.

Prerequisite: PSY 1000; any WC&IL II course.

PSY 3320 (3)

Health Psychology

This course introduces students to the field of health psychology. Beginning with historic ideas from the Greeks through psychosomatic medicine, current thoughts and approaches from a biopsychosocial understanding of disease and its meaning (psychological and social) will be developed, with a focus on applied issues.

Prerequisite: PSY 1000; any WC&IL II course.

PSY 3330 (3)

Personal Relationships

Introduces students to theories and research in the study of personal relationships. Will focus on the development, maintenance, and functions of both friendship and intimacy.

Prerequisite: PSY 1000; PSY 2100 or MATH 1123; and PSY 2200, SOC 2100, SOC 2300, or any three biology or chemistry courses. (*May be taken concurrently.)*

PSY 3340 (3)

Human Sexuality

Explores the biological, neurological, psychological, sociological, and historical bases of human sexuality; sexual development and reproduction; and the issues and challenges related to sexuality in a contemporary society. Maintaining objectivity within the context of personal value systems is also addressed.

Prerequisite: PSY 1000 and WRI 1200.

PSY 3350 (3)

Clinical Psychology

An introduction to the methods, rationale, and empirical foundations of the field of clinical psychology, including historical roots, conceptual models, professional issues, current controversies, and career options.

Prerequisite: PSY 1000; PSY 2100 or MATH 1123; and PSY 2200, SOC 2100, 3100, or any three BIOL or CHEM courses. (*May be taken concurrently.)*

PSY 3360 (3)
Military Psychology

An overview of the use of psychology applied to military settings. Main topics include the history of military psychology, the military as sub-culture, clinical psychology and behavioral health in the military, and operational psychology. Special attention will be given to ethical considerations in the practice of military psychology.

Prerequisite: PSY 1000 and Any WC&IL II course.

PSY 3400 (3)
Lifespan Development Psychology

Examines the physical, cognitive, emotional, and social development of individuals from birth to death. Theories and research evidence concerning factors such as heredity, early experience, parenting styles, peers, school, societal values, work, retirement, leisure, aging processes, death and bereavement will be assessed in the context of development through the lifespan.

Prerequisite: PSY 1000; PSY 2100 or MATH 1123; and PSY 2200 (or concurrent) or SOC 2100 or SOC 3100; or any three biology or chemistry courses.

PSY 3440 (3)
Psychology of Gender

Survey of topics in psychology relevant to gender and its impact on the lives of women and men, including major psychological theories of gender-role development, gender bias and stereotypes, biological and environmental influences that determine and maintain gender differences in behavior, and distinctions between sex and gender. Reviews empirical findings that support or fail to support common beliefs about gender. Students will learn to understand the complexity and diversity of gendered experiences in the social settings of their own and other cultures.

Prerequisite: PSY 1000; any WC&IL II course.

PSY 3500 (3)
Tests and Measurements in Psychology

Covers the fundamentals of measurement theory and practice upon which all psychological testing rests. Major topics include: types of measurement, correlation, reliability, validity, test development, and norms. Major individual and group tests of intelligence, personality, aptitude, and interests are examined and evaluated in terms of these concepts.

Prerequisite: MATH 1123, 3323, PSY 2100, or SOC 3200; PSY 2200, SOC 2100, or 3100.

PSY 3550 (3)
Advanced Statistics in Psychology

A brief, pragmatic survey of advanced statistical concepts for non-mathematicians. Topics will include fundamental concepts/assumptions and use of statistical software for computing analysis of variance for factorial and repeated measures designs, multivariate analysis of variance and covariance, partial correlation, multiple regression, and discriminant analysis. Examples from psychology.

Prerequisite: MATH 1123, 3323, PSY 2100, or SOC 3200; PSY 2200, SOC 2100, or 3100.

PSY 3600 (3)
Abnormal Psychology

A study of the etiology, development, manifestations, and treatment of psychological disorders. Psychodynamic, behavioral, humanistic, systems, and cross-cultural theoretical perspectives are used to understand stress and anxiety-based

disorders, psychoses, social and personality disorders, and organic and developmental disorders. Normality/abnormality are treated as concepts, as are legal and ethical issues related to deviant behavior.

Prerequisite: PSY 1000; PSY 2100 or MATH 1123; and PSY 2200 (or concurrent) or SOC 2100 or SOC 3100; or any three biology or chemistry courses.

PSY 3700 (3)
Personality

A study of the nature and development of human personality from different theoretical perspectives. Foci include: the conceptualization and meaning of "personality," modes of assessing personality characteristics, and the relationship of personality to culture and society. Cases, contemporary research, and topics of current interest in personality are featured.

Prerequisite: PSY 1000, 2100, and 2200.

PSY 3750 (3)
Well-Being and Positive Psychology

Explores factors that make life worth living and the human strengths that enable individuals to confront challenges, appreciate others, and regard daily experiences as meaningful. Provides a distinct contrast to the negative focus of the disease-model approach that traditionally dominated much of the discipline. The focus will be on current issues in positive psychology, including defining happiness and the nature of the good life, subjective well-being, human strengths and virtues, finding meaning, emotions, flow, and optimism.

Prerequisite: PSY 1000, 2100 and 2200.

PSY 3925 (3)
Research Seminar

This is a psychology research course for psychology majors. Students will review an area of scientific literature, as determined by faculty each semester. Students will engage in empirical research: constructing a literature review, IRB proposal, collecting and analyzing data, and presenting this information professionally. Additionally, students will prepare for admission into graduate school: constructing a vita, studying for GREs, and identifying areas of research interest. This course is intended to prepare students for more advanced research courses such as PSY 4925 and PSY 4970.

Prerequisite: PSY 1000, 2100, and 2200.

Repeatable for 9 credits.

PSY 3990 (1 to 3)

Nonpaid Internship

See Internship Section

PSY 3991 (1 to 3)

Paid Internship

See Internship Section.

PSY 4240 (3)
The Psychology of Dreams

A study of the theoretical perspectives and practical skills in dream recall, interpretation, and understanding. Topics include: sleeping and dreaming research; history of dream interpretation; Freudian, Jungian, existential, and functional explanations; and lucid dreaming. Students keep a dream journal and work with their own dreams.

Prerequisite: PSY 3110, 3300, 3400, 3600, 4132, or 4340.

PSY 4340 (3)
Psychotherapies

An overview and critical analysis of contemporary psychotherapies and of psychotherapy as an institution in society. Therapies studied may include: existential, behavior modification, psychoanalysis, transactional analysis, cognitive, gestalt, and family systems.

Prerequisite: PSY 3600 or 3700.

PSY 4900 (3)

History and Systems of Psychology

This is a capstone course for psychology majors. As an advanced discussion course for seniors majoring in psychology or allied disciplines, this course will examine the historical progression of ideas central to psychology, their philosophical and empirical roots, and the confluence of those ideas into the various systems present today. **Capstone course.**

Prerequisite: PSY 2200; any three of the following PSY courses: 3100, 3200, 3300, 3400, 3500, 3550, 3600, or 3700.

PSY 4910 (3)

Advanced Topics in Psychology

A capstone course for psychology majors. Provides an advanced, integrative review of a significant theme or topic in psychology that supplements regularly offered electives. A selected area within the discipline will be given intensive study through lectures, readings, reports, papers, and discussion. Topics may vary from semester to semester and could include aging, social cognition, psychology of religion and spirituality, family systems, psychology of stereotypes and prejudice, animal behavior, and developmental psychopathology. May be taken more than once with different topics.

Prerequisite: PSY 2200; any three of the following PSY courses: 3100, 3200, 3300, 3400, 3500, 3550, 3600, or 3700.

PSY 4925 (3)

Psychology Research Seminar

This is a capstone course for psychology majors. Students will review an area of scientific literature, as determined by faculty each semester. Students will present a portion of the topic to the class. Concurrently, students will engage in empirical research: collecting and analyzing data and presenting results professionally.

Prerequisite: PSY 2200; any three of the following PSY courses: 3100, 3200, 3300, 3400, 3500, 3550, 3600, or 3700.

PSY 4935 (3)

Senior Thesis

As a senior-level psychology capstone course, students will review an area of scientific literature related to psychology as determined by student interest and faculty approval. Students will write a review paper that integrates existing theory and data and give a formal presentation. Review papers are critical evaluations of published material. Students will consider the progress of research toward clarifying a problem. They will draw on existing research literature to advance theory and will examine the development of theory to expand and refine theoretical constructs, present a new theory, or analyze existing theory.

Prerequisite: PSY 2200; any three of the following PSY courses: 3100, 3200, 3300, 3400, 3500, 3550, 3600, or 3700. Permission of the instructor.

PSY 4950 (3)

Counseling/Community Practicum

A capstone course for psychology majors that prepares students for entry-level positions in the mental health field as well as graduate school. The course is a means for enhancing, unifying, and applying the knowledge and experience acquired as a psychology major to this point. The practicum is a field and classroom course that requires placement in a community social service setting. Emphasis is placed on teaching professional standards and clinical services models; helping students develop their own professional identities;

and addressing relevant clinical, legal, ethical and moral issues. **Capstone course.**

Prerequisite: PSY 2200; any three of the following PSY courses: 3100, 3200, 3300, 3400, 3500, 3550, 3600, or 3700; and the approval of the instructor.

PSY 4970 (3)

Research Practicum

Research experience under mentorship. Student activities involve significant responsibilities in the research process, including literature review, conceptualization of the study, design of data collection methods and instruments, data collection, data analysis, and interpretation of research results.

Prerequisite: PSY 2200.

PSY 4997 (1 to 3)

Directed Readings in Psychology

Directed individualized readings.

PSY 6000 (3)

Ethical and Professional Issues in Clinical Mental Health Counseling

Focuses on the legal, ethical, and professional issues that influence the research and professional practice of clinical mental health counselors. The primary goal is to provide students with a thorough knowledge of the ethical and legal issues related to the counseling profession so that sound ethical decisions can be made.

Prerequisite: Admission to the MA-CMHC program or permission of the program director.

PSY 6100 (4)

Applied Statistics in Clinical and Counseling Psychology

A review of univariate statistical techniques and a survey of multivariate techniques used in clinical and counseling psychology. These methods are essential for interpretation, evaluation, and application of published research in professional settings, as well as for treatment evaluation.

Prerequisite: Admission to the MA-CMHC program or permission of the program director.

PSY 6200 (3)

Research Methods in Clinical and Counseling Psychology

Covers methods of empirical research particularly applicable to clinical and counseling situations. Primary emphasis on interpretation, evaluation, and application of published research in professional settings.

Prerequisite: PSY 6000 and 6100.

PSY 6310 (3)

Learning, Cognition, and Behavior

A study of processes involved in human learning and cognition. Covers areas in the fields of learning and cognitive psychology and presents the current thinking in these disciplines. Includes: learning, perception, attention, memory, language, problem-solving, reasoning, and cognitive development. Application to counseling and clinical psychology are examined across all topics.

Prerequisite: PSY 6000.

PSY 6320 (4)

Biological Bases of Behavior & Foundations of Psychopharmacology

An examination of the biological substrates of behavior from the cellular to the systemic to the behavioral level. Includes a review of human physiological processes as these relate to biobehavioral models of normal and abnormal functioning in appetitive, motor cognition, and affective systems and introduction to psychopharmacology.

Prerequisite: PSY 6000.

PSY 6330 (3)

Social Psychology and Cultural Diversity

Development of diversity awareness and knowledge, including systems of power and privilege. Introduction to methods/skills for working with clients who are diverse in culture, race, ethnicity, gender, age, sexual orientation, or physical or mental ability. Focus is on helping students become capable therapists in varied environments, including becoming aware of their own beliefs, biases, and prejudices.

Prerequisite: PSY 6200 or permission of program director.

PSY 6340 (3)

Life Span Development for Mental Health Counselors

Explores life span development through the lenses of social, cultural, cognitive, biological, and learning theories and research. Normal or typical developmental tasks are reviewed, as well as principles related to developmental psychopathology. Theoretical models of development, including biological/physical, social, and psychological development, are discussed. The course provides students with an understanding of developmental theory across the life span as it relates to client assessment, counseling, and treatment.

Prerequisite: PSY 6200 or permission of program director.

PSY 6341 (3)

Career and Lifestyle Development

Exploration of models and theories of career development and forces that shape career decision-making throughout the lifespan. Available resources for educational and occupational assessment and procedures to enhance career exploration, planning and placement. Emphasis is on the decision-making process and issues of career counseling with special populations.

Prerequisite: Admission to MA in Clinical Mental Health Counseling program or permission of program director.

PSY 6350 (3)

Forensic Psychology for Counselors

This course will provide a comprehensive overview of forensic psychological research and the practice of forensic psychology. The student will become familiar with the forensic psychological literature, forensic psychological approaches and techniques in assessment and treatment, and many of the clinical/professional/ethical/legal issues surrounding the practice of forensic psychology. The student will learn to apply forensic research to the practice of clinical mental health counseling.

PSY 6360 (3)

Psychopathology

This course provides an in-depth, evidence-based review of a broad spectrum of psychopathological conditions as defined in the current DSM. The focus of this review includes etiology, prevalence and incidence, signs and symptoms, criteria for differential diagnosis, and potential treatment for each disorder.

Prerequisite: Admission to the MA in CMHC or permission of the program director.

PSY 6450 (3)

Child and Adolescent Development for Educators

Provides an overview of the major concepts, principles, theories, and research related to development of children and adolescents so that teacher candidates can construct learning opportunities that are adapted to diverse learners and support individual students' development, acquisition of knowledge, and motivation.

PSY 6500 (3)

Psychological Assessment in Mental Health Counseling:

Theory

Basic concepts in the construction, selection, administration, scoring, and interpretation of assessment procedures commonly used in mental health counseling. This course will cover psychometric properties and proper use of these instruments, as well as factors affecting their reliability and validity. Additional focus is on synthesizing data, diagnostic interviewing, report-writing skills, and ethical considerations.

Co-requisite: PSY 6501.

PSY 6501 (1)

Psychological Assessment in Mental Health Counseling: Practice

Designed to be taken concurrently with Psychological Assessment in Mental Health Counseling: Theory. Provides in-depth supervised experience in diagnostic and behavioral interviewing and in selecting, administering, scoring, and interpreting assessment instruments.

Co-requisite: PSY 6500.

PSY 6700 (3)

Therapeutic Interventions

Surveys major theories of counseling and psychotherapy from both clinical and research viewpoints.

Prerequisite: PSY 6100 and 6360.

PSY 6701 (3)

Therapeutic Interventions: Practice

Covers major elements of empirically-validated intervention strategies, case conceptualization, treatment planning, and therapeutic process through lecture, discussion, demonstration, and role playing with feedback on behavioral performance. Emphasis is on an ecological perspective that focuses on viewing the person within context.

Prerequisite: PSY 6700.

PSY 6730 (3)

Crisis Intervention and Trauma Counseling

Provides an overview of the psychological impact of crisis and trauma across the lifespan. Includes the history and current theories in the field, the nature of trauma (sexual abuse, combat, and natural disasters), how trauma affects individuals and systems, grief reactions, and traumatic stress. Reviews trauma-related evidence-based assessment and intervention.

Prerequisite: PSY 6701 or permission of program director.

PSY 6740 (3)

Assessment & Treatment of Substance Abuse & Addiction

This course examines substance abuse as a clinical problem. The psychological and physical effects of drug use and abuse will be examined and the process of addiction development explored. The role of sociocultural factors in substance abuse will be discussed. Diagnostic criteria and empirically based treatment approaches will be reviewed.

Prerequisite: PSY 6701 or permission of graduate director.

PSY 6750 (3)

Group Interventions: Theory & Practice

This is a graduate course that covers the theories, approaches, and techniques used in group psychological treatment.

Prerequisite: PSY 6360 and 6700.

PSY 6760 (3)

Assessment and Treatment of Children and Adolescents

A graduate-level course in child psychopathology, assessment, and treatment. Covers current DSM child and adolescent disorders. Reviews prevalence, etiology, diagnostic criteria, co-morbidity, sampling patterns, assessment and treatment strategies, and outcomes across the major childhood

and adolescent behavioral disorders.

Prerequisite: PSY 6100 and 6200.

PSY 6770 (3)

Counseling Couples and Families

Selected theories, methods, and techniques of marriage and family therapy with particular emphasis on diversity and legal and ethical issues in the practice of marriage and family counseling.

Prerequisite: PSY 6701 or approval of program director.

PSY 6970 (3)

Research Practicum

Advanced research experience under mentorship. Student activities involve comprehensive responsibilities in the research process, including literature review, conceptualization of the study, design of data collection methods and instruments, data collection, data analysis, and interpretation of research results.

Prerequisite: PSY 6100, 6200 and permission of instructor.

PSY 6998 (1 to 3)

Special Topics in Clinical Mental Health Counseling

Intensive review of selected topics within the discipline. Course content and prerequisites will vary as set forth in an approved syllabus. May be repeated when content has changed.

PSY 7100 (3)

Clinical Practice and Supervision I—Community Internship

Applied professional experience in approved community training sites. Students will provide direct clinical services to adults and/or children, participate in supervision and training sessions, and attend internship class sessions which will allow for group supervision. **Capstone course.**

Prerequisite: PSY 6000, 6500, 6501, 6700; 6701 or concurrent enrollment, and permission of graduate director.

PSY 7101 (3)

Clinical Practice and Supervision II—Community Internship

Applied professional experience in approved community training sites. Students will provide direct clinical services to adults and/or children, participate in supervision and training sessions, and attend internship class sessions which will allow for group supervision. **Capstone course.**

Prerequisite: PSY 7100; and permission of graduate director.

PSY 7102 (3)

Clinical Practice and Supervision III—Community Internship

Applied professional experience in approved community training sites. Students will provide direct clinical services to adults and/or children, participate in supervision and training sessions, and attend internship class sessions which will allow for group supervision.

Prerequisite: PSY 7100, 7101.

PSY 7200 (3)

Master's Thesis

The course is intended for those students who elect to complete a master's thesis as part of their MA-CMHC degree requirements. The option requires the student to investigate a topic relevant to clinical mental health counseling, develop a research question or hypothesis, and test it by conducting original research under the supervision of a faculty member.

Prerequisite: PSY 6100, 6200.

RE—Real Estate

RE 3000 (3)

Principles and Practice of Real Estate

The study of basic aspects of real estate; definition of land; real estate and real property; types of estates in land; types of ownership; types of conveyances and documents; certain Hawai'i statutes; physical and economic characteristics; agency; financing; development; investments; appraising; and management.

Prerequisite: Any WC&L II course.

RE 3300 (3)

Real Estate Finance

A basic course in real estate finance, focusing on methods, processes, and caveats. Course units include: money markets, interest rates, real estate financing, case illustration demonstrating lending policies; typical problems involved in financing real property; and evaluation of income property investment alternatives.

Prerequisite: FIN 3000.

RE 3400 (3)

Real Estate Law

The study of property and brokerage law and application of these to both personal real property investments and real estate management. Course topics include: property rights and limitations, conveyancing, brokerage operations under state law, and current topics in real estate law.

Prerequisite: MGMT 3060 and RE 3000.

RE 3990 (1 to 3)

Nonpaid Internship

See Internship Section.

RE 3991 (1 to 3)

Paid Internship

See Internship Section.

RE 4997 (3)

Directed Readings in Real Estate

Directed readings in real estate.

REL—Religious Studies

REL 1000 (3)

Introduction to World Religions

This course offers a secular, interdisciplinary, and comparative approach to the world's religious traditions. It is designed to foster an understanding of diversity and difference. The focus of the course is on origins. We begin with the oldest conceivably religious artifacts, proceed to some reconstructed oral traditions, and follow with the study of originating religious visions as established in scriptures from the West and the East.

REL 1001 (1)

Islam: A Short Course

Introduction to the core principles of Islam, its different religious sects (i.e. Shia, Sunni, Sufi), cultural mores in the Middle East, and Islamic revitalization movements of the last century.

REL 3000 (3)

Religion, Sacrifice, and Violence

Sacrifice and violence are persistent themes in the world's religious traditions and have invited scrutiny from anthropological, sociological, psychological, political, theological, and other perspectives. This course will explore some classical examples of those perspectives as well as a variety of historical and literary phenomena to which they have been applied. Readings to include Freud, Girard, Burke,

Marx, and Juergensmeyer, among others.

Prerequisite: Any WC&IL II course.

REL 3001 (3)

Religion and Social Change

An interdisciplinary approach to problems of social order, integrating religion, ethics, and science. The course develops the evaluative process as a primary tool in the study of social problems and examines the relevance of institutionalized religion in a world of rapid social change.

Prerequisite: Any WC&IL II course.

REL 3007 (3)

On Death and Dying

An overview of the legal, moral, medical, and pastoral attitudes surrounding death. Personal reflection, preparation, and acceptance of death as a liberating act of life are emphasized.

Prerequisite: Any WC&IL II course.

REL 3151 (3)

Bible as Literature

An interdisciplinary examination of the great literary themes of the Bible, such as the nature of God, humanity, gender, and nation within the context of early Jewish and Christian history. Students will also explore the ongoing literary and cultural influence of the Bible in multiple cultural contexts.

Prerequisite: Any WC&IL I course.

REL 3152 (3)

Understanding Early Christian Literature

Course will focus on the historical emergence of Christian doctrine as revealed by texts. Readings may address Jewish scriptures, Dead Sea Scrolls, New Testament gospels, gnostic gospels, apocalyptic expectations, early Christian letters, martyr narratives, Greco-Roman mysteries, and historical writings up through the fall of the Roman Empire.

Prerequisite: Any WC&IL II course.

REL 3200 (3)

Abrahamic Traditions

Judaism, Christianity, and Islam are all Abrahamic religions because their originating legends derive from the figure of Abraham, father of Ishmael and Isaac in the Bible. Consequently, they are considered religious cousins. Exploring the histories of the three traditions together allows us to see and compare founding stories, themes, and historical developments and interactions among the three.

Prerequisite: Any WC&IL II course.

REL 3310 (3)

Asian Traditions

Survey of the literature, history, and cultural traditions associated with Asian religions, such as Hinduism, Jainism, Buddhism, Bo, Confucianism, Daoism, Shinto, and numerous folk traditions. Course begins in ancient India and expands into Nepal, Tibet, Sri Lanka, China, Korea, Japan, and Hawai'i.

Prerequisite: Any WC&IL II course.

REL 3500 (3)

Indigenous Traditions

Course explores religious and mystical traditions of indigenous peoples primarily from Aboriginal Australian, Pacific island, mainland Native American, and African cultures. Readings focus on autobiographical and fictional accounts of traditional people at the crossroads between contemporary and traditional cultures.

Prerequisite: Any WC&IL II course.

REL 3600 (3)

War in World Religions

A survey of the historical link between religion and war, from antiquity to the present and from west to east. Students will peruse literature justifying war, imagining war, and condemning war from different cultures, religions, and historical periods.

Prerequisite: Any WC&IL II course.

REL 3700 (3)

Female Figures in the Bible

Course will explore female figures in stories from the first and second testaments and also in apocryphal literature associated with Judaism and Christianity extending into the early 4th century CE. Where applicable, Islamic versions of the same tales will be explored. Students will use a variety of perspectives to explore these stories, i.e. narratology, archaeology, and feminist hermeneutics.

Prerequisite: Any WC&IL II course.

REL 3990 (1 to 3)

Nonpaid Internship

See internship section.

Prerequisite: At least a 2.7 GPA.

REL 3991 (1 to 3)

Paid Internship

See internship section.

Prerequisite: At least a 2.7 GPA.

REL 3997 (3)

Directed Readings

Directed individualized readings.

REL 4002 (3)

Religion, Sustainability, and Globalization

Course examines the critical links between religion, sustainability, and globalization. Students will be acquainted with the impact of religious teachings on sustainability and with the impact of globalization on religious traditions. Students will examine how religious ideologies generate views of ecosystems and our place in them, as well as religion's influence on applied ethics in a shrinking world.

Prerequisite: Any WC&IL II course and junior or senior standing.

REL 4900 (3)

Seminar in Religious Studies

The seminar offers students opportunities for in-depth study of a specific topic in religious studies. Presentation of a thesis on an aspect of the topic is required. Effective research, analytical composition, and oral communication are expected. **Capstone course.**

Prerequisite: Any WC&IL II course and junior or senior standing.

REL 6002 (3)

Religion, Sustainability, and Globalization

This course will address two broad but interrelated sets of topics. The first is a comparison of traditional religious teachings regarding our place on earth, farming, animals, commerce, and cooperation and competition with outsiders. The other set deals with the changes in these attitudes subsequent to globalization.

Prerequisite: Graduate standing.

REL 6011 (3)

Religion in World History

An objective and non-partisan survey of the role religion has played in the course of human events. A basic knowledge of the principle tenets and sects of Judaism, Hinduism,

Buddhism, Christianity, and Islam is recommended; personal adherence to a particular religion or lifestyle is not. Emphasis is given to the historical context of contemporary religious concerns and conflict.

Prerequisite: Graduate standing.

SOC—Sociology

SOC 1000 (3) **Introduction to Sociology**

This course will give students an introduction into the academic study of society. We will study the interplay between personal traits and characteristics and large-scale factors that are outside of ourselves, such as the rules that govern society. People who are comfortable thinking about the interplay between self and society have a sociological imagination. By employing the sociological imagination, individuals are able to observe events and social structures that influence behavior, attitudes, and culture. This way of thinking can inform contemporary controversies within American society around inequality, social change, gender, race, and power

SOC 2000 (3) **Social Problems and Policy**

A survey of important social problems confronting Americans today, their causes, and solutions. Particular attention is directed toward understanding how and why social problems are created and the controversies surrounding them.

Prerequisite: Any introductory social science/political science course; any WC&IL I course.

SOC 2600 (3) **Peace Studies**

Peace Studies provides students with an introduction to the dynamics of conflict and peace at the personal, local, national, and international levels. The course surveys interdisciplinary research that analyzes the causes of violence, war, and peace in the contemporary world.

SOC 3100 (3) **Methods of Inquiry**

An overview of the major methods for seeking and organizing knowledge in the social sciences. Topics include research design, ethics, selection of subjects, and presentation of results.

Prerequisite: A grade of C- or higher in any WC&IL II course; any three social science courses.

SOC 3380 (3) **Cross-Cultural Relations**

A course that addresses problems of residents of multiethnic societies and immigrants and sojourners in a foreign country. Topics include how characteristics of the individual, group, situation, and host society affect transcultural relations and principles which maximize cross-cultural adjustment, work effectiveness, and successful interaction. Special focus on the immigrant experiences of ethnic groups in Hawai'i.

Prerequisite: Any two social science courses; Any WC&IL II course.

SPAN—Spanish

SPAN 1100 (4) **Beginning Spanish I**

An introduction to written and spoken Spanish. This is the first semester of a two-semester sequence.

SPAN 1200 (4) **Beginning Spanish II**

An introduction to written and spoken Spanish. This is the

second semester of a two-semester sequence.

Prerequisite: SPAN 1100.

SPAN 2100 (4) **Intermediate Spanish I**

Conversation, reading, grammar, and introduction to Spanish culture. This is the first semester of a two-semester sequence.

Prerequisite: SPAN 1200.

SPAN 2200 (4) **Intermediate Spanish II**

Conversation, reading, grammar, and introduction to Spanish culture. This is the second semester of a two-semester sequence.

Prerequisite: SPAN 2100.

SPAN 3100 (4) **Advanced Spanish Speaking and Listening**

Advanced conversation, stressing the ability to develop fluency on a variety of topics; formal presentations; and listening, stressing the ability to understand extended discourse.

Prerequisite: SPAN 2200.

SPAN 3200 (4) **Advanced Spanish Writing and Grammar**

Advanced writing, stressing the ability to write in various genres, including letters and e-mail, short reports, summaries and reflections; review of advanced grammatical forms, with emphasis in producing these forms in original writing.

Prerequisite: SPAN 2200.

SPAN 3310 (4) **Culture and Literature of Spain**

Reading, discussion, and written analysis and response to various forms of literature and contemporary media of Spain.

Prerequisite: SPAN 2200.

SPAN 3320 (4) **Culture and Literature of Mexico and Central America**

Reading, discussion, and written analysis and response to various forms of literature and contemporary media of Mexico and Central America.

Prerequisite: SPAN 2200.

SPAN 3330 (4) **Culture and Literature of South America**

Reading, discussion, and written analysis and response to various forms of literature and contemporary media of South America.

Prerequisite: SPAN 2200.

SPAN 3340 (4) **Culture and Literature of Caribbean**

Reading, discussion, and written analysis and response to various forms of literature and contemporary media of the Caribbean.

Prerequisite: SPAN 2200.

SPAN 3350 (4) **Culture and Literature of Spanish-speakers in the U.S.**

Reading, discussion, and written analysis and response to various forms of literature and contemporary media of the Spanish-speaking United States.

Prerequisite: SPAN 2200.

STSS—Strategic and Security Studies

STSS 2601 (3) **War and Civilization**

A survey of the importance of violence, war, and peace on

national and international security, strategy, and policy formation. This class explores themes such as the role of war and peace as they relate to the rise and fall of states, national security, societies, and technological development. The course looks as these and other themes from a global perspective.

Prerequisite: Any WC&IL I course.

STSS 6301 (3)
China's National Security and Modern Military Doctrine

The course provides an in-depth analysis of China's present and future national-security requirements and how that shapes their modern military thought and doctrine. We will discuss China's economic developments, trade and national security concerns, and latest military developments against the backdrop of traditional and evolving Chinese military thought.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

STSS 6600 (3)
20th-Century Intelligence Operations

The course provides an in-depth analysis of intelligence operations during the 20th century, examining how changes in technology, cultures, economies, and strategic situation affected intelligence requirements and operations and impacted nations' security and decision making. The seminar will focus on how nations shaped their intelligence requirements and procedures to meet those changes.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

STSS 6666 (3)
Theory and Practice of Counterinsurgency

This seminar aims to familiarize DMS students with the challenges posed by counterinsurgency warfare in the past, present, and future. Students will consider historical case studies of counterinsurgency and read and discuss major theorists, including Mao Tse-tung, Che Guevara, David Galula, and current U.S. Army and Marine COIN doctrine.

Prerequisite: Graduate standing. Restricted to students pursuing master's degrees in Diplomacy and Military Studies or Global Leadership and Sustainable Development, or a Certificate in National Security Studies

STSS 6990 (1 to 3)

Nonpaid Internship
See Internship Section.

STSS 6991 (1 to 3)

Paid Internship
See Internship Section.

STSS 6997 (3)
Special Topics in Strategic and Security Studies

This is a special topics graduate seminar in strategic and security studies. Course content will vary as set forth in an approved syllabus. Course may be repeatable as contents change (up to 6 credits).

Prerequisite: Graduate standing.

SWRK—Social Work

SWRK 2010 (3)

Social Sustainability, Social Work, and Entrepreneurship
This course serves as an introduction to the profession of social

work through the lens of social sustainability and entrepreneurship. Socially-sustainable communities have systems, structures, and relationships that are equitable, diverse, connected, and democratic, providing quality of life to current and future generations. Social entrepreneurs are leaders seeking to find innovative solutions to social problems. Social work is one of many professions that function as social entrepreneurs in their work with systems of all sizes. Students demonstrate the characteristics of social entrepreneurship by developing innovative strategies to sustainably meet social problems. Required for admittance to social work major.

Prerequisite: Any WC&IL II course; may be taken concurrently

SWRK 3000 (3)
Methods of Social Work I

An orientation to the principles and overview of the problem-solving process of generalist social work practice (intake, engagement, data collection, assessment, planning, contracting, intervention, evaluation, termination, and follow-up.)

Prerequisite: SWRK 2010; restricted to BSW majors

SWRK 3003 (3)
Human Behavior in the Social Environment I

This course will employ theories, models, and perspectives to understand individuals, families, and their interpersonal and group relationships, life span development, and well-being, stress, coping, and adaptation. This course will emphasize knowledge about individuals and small social systems and the implications of this knowledge for all domains of social work practice. The knowledge presented will include the interrelationships between smaller and larger social systems and, in particular, how biological factors and the larger social and physical environments shape and influence individual and family well-being.

Prerequisite: SWRK 2010; restricted to BSW majors

SWRK 3005 (3)
Human Behavior in the Social Environment II

This course examines theory and research knowledge about political economic and societal structures and process related to communities, groups, and organizations within contemporary society. Consideration is given to ways in which these social systems have significant social, political, economic, and psychological impacts on the functioning of individuals, families, and social group. The course provides a framework for understanding the influences of medium-to-large social systems on individuals, families, and groups with whom social workers practice. There is a focus on oppression, discrimination, prejudice, and privilege and their relationship to social and economic justice for populations served by social workers.

Prerequisite: A grade of C- or better in any WCIL II course; restricted to BSW majors

SWRK 3010 (3)
Methods of Social Work II

A closer examination of the social work skills and methods with individuals including diverse/special populations.

Prerequisite: SWRK 3000 or 3005 (may be taken concurrently); restricted to BSW majors

SWRK 3025 (3)
Sexuality in Health & Society

This course explores advanced understandings of human sexuality through a multi-disciplinary approach combining pedagogies, students, and faculty from different departments in the College of Health and Society. Concentrations will include: 1) bio-medical sexuality: sexual and reproductive health and disease, anatomy, and physiology; 2) psychosexual

development: relationships, marriage, and family systems; sexual dysfunction; and trauma; 3) sexuality education and other organizational efforts that impact sexual behavior and health; 4) sociopolitical issues: sexuality education and historical, legal, political, social and ethical issues impacting sexuality.

Prerequisite: Any WC&IL II course.

SWRK 3300 (3)
Writing and Research in Social Work

This course focuses attention on two essential skills of social work: (1) clear, correct, and professionally/legally-sound documentation and (2) integrating the results of social science research into professional practice/practice evaluation.

Prerequisite: MATH 1123, may be taken concurrently, and any WC&IL II course; restricted to BSW majors

SWRK 3570 (3)
American Social Welfare Policy

This course involves an exploration of the development of social welfare programs. It includes content about the history of social work; the history and current structure of social welfare services; and the role of policy in service delivery, social work practice, and the attainment of individual and social well-being. Students will understand and demonstrate social policy skills in regard to economic, political, and organizational system.

Prerequisite(s): SOC 2000, and PSCI 1400, and any WC&IL II course (may be taken concurrently)

SWRK 3700 (3)
Special Topics in the Social World

This is a special topics seminar providing students with the opportunity to participate in an in-depth exploration of current social problems impacting our society. Each semester the topic will change to focus on a contemporary social issue. Students will participate in class discussions, self-reflections, and oral presentations on contemporary social issues and debates. Course content will vary as set forth in the approved syllabus. Course may be repeatable as content changes.

Prerequisite: Any WC&IL II course

SWRK 3900 (3)
Social Work Practicum I

Students apply and integrate classroom theory in a social agency under close supervision. Required for all social work majors.

Prerequisite: SWRK 3010 or concurrent; restricted to BSW majors

SWRK 4000 (3)
Methods of Social Work III

A closer examination of the social work skills and methods with families and groups, including diverse/special populations.

Prerequisite: SWRK 3005, 3010, and 3900; restricted to BSW majors

SWRK 4010 (3)
Methods of Social Work IV

A closer examination of the social work skills and methods with organizations and communities, with special attention to evaluation. This course also serves as a "capstone," in which students return to the generalist model as a whole.

Prerequisites: SWRK 3005, 3010, and 3900; restricted to BSW majors

SWRK 4900 (3)
Social Work Practicum II

Students apply and integrate classroom theory in social

agencies under close supervision. Required for all social work majors.

Prerequisite: SWRK 3005, 3010, 3900; restricted to BSW majors

SWRK 4910 (3 to 4)
Social Work Practicum III

Students apply and integrate classroom theory in social agencies under close supervision. Required for all social work majors.

Prerequisite: SWRK 4900; restricted to BSW majors.

SWRK 4960 (3)
Social Work Capstone

The social work capstone is intended to provide senior social work students with an opportunity to integrate and apply previous learning (academic and field) through the creation and implementation of project at their practicum agency in order to demonstrate mastery of the knowledge, skills, ethics, and values necessary for evidence-based generalist social work practice.

Prerequisite: SWRK 3000, 3010, 4000, 4010 and 4900 or permission of program director; restricted to BSW majors

SWRK 6001 (3)
Fundraising and Resources Development for Non-Profit Organizations and Agencies

Fundraising and Resources Development for Non-Profit Organizations and Agencies is a macro elective that covers resource development and grant writing for non-profit agencies. It affords students the opportunity to assist agencies to expand their funding base in difficult economic times.

Prerequisite: Graduate standing.

SWRK 6002 (3)
Crisis Intervention and Prevention

This course provides specific application of crisis theory onto generalist practice relevant to conducting the practice of social work during a crisis situation; immediately following a crisis; and in situations where the social worker may be faced with the task of assisting an individual, family, group, or community in dealing with the long term effects of a crisis experience.

Prerequisite: Admission to the MSW program.

SWRK 6003 (1 or 3)
Global Social Work Practice

This is an elective course that will provide opportunities for one-to-one direct practice within a host culture. Students will be provided the foundation knowledge about the importance of how globalization has impacted social work practice and what are the developing trends. This course will allow students to examine the global dimensions of social work profession while directly engaging with individuals, families, and groups while at the same time becoming exposed to social justice and policy.

Prerequisite: Admission to the MSW program or with permission from the MSW Program Director.

SWRK 6050 (3)
Graduate Study of Social Work for Advanced Standing Students

A transition course for students with the BSW who will begin second year MSW courses in the following semester. This course will explore differences between undergraduate and graduate social work education, review topics not covered in depth in the BSW, and study literature research methods necessary for success at the graduate level.

Prerequisite: Admission to Advanced Standing MSW program.

- SWRK 6100 (3)**
Generalist Social Work Practice with Individuals
 This course is designed to teach students about methods of generalist social work practice at the micro level, with individuals.
Prerequisite: Graduate standing.
- SWRK 6102 (3)**
Generalist Social Work Practice with Families and Groups
 This course is designed to teach students about methods of generalist social work practice at the mezzo level, with families and small groups.
Prerequisite: SWRK 6200 and 6201^. (^May be taken concurrently.)
- SWRK 6103 (3)**
Generalist Social Work Practice with Organizations and Communities
 This course is designed to teach students about methods of generalist social work practice at the macro level, with organizations and communities.
Prerequisite: SWRK 6050 or SWRK 6102; and SWRK 7100.
- SWRK 6200 (3)**
Human Behavior in the Social Environment I
 This course is designed to teach MSW students about human development from birth to death, including physical, cognitive, and social aspects. The course will focus especially on aspects of development that have implications for social work practice.
Prerequisite: Admission to the MSW program.
- SWRK 6201 (3)**
Human Behavior in the Social Environment II
 This course is designed to teach MSW students about family, group, and community influences on the behavior of individuals.
Prerequisite: Admission to the MSW program.
- SWRK 6300 (3)**
Social Work Research I
 This course is designed to introduce MSW students to the principles of practice evaluation and “evidence-based practice.”
Prerequisite: Admission to the MSW program.
- SWRK 6500 (3)**
Social Welfare Policy I
 This course is designed to introduce MSW students to the field of social welfare policy and to specific policy issues and programs in the United States and abroad.
Prerequisite: Admission to the MSW program.
- SWRK 6510 (3)**
Legal and Ethical Issues in Social Work
 Consideration of current laws/legal decision affecting the practice of social work. Application of ethical principles to practice dilemmas.
Prerequisite: Admission to the MSW program.
- SWRK 6801 (3)**
Military and Veteran Social Work Practice
 This course examines military and veteran cultures impacting clients and families seeking social services, including stressors like deployments, military family structures, and readjustment issues. Ethical issues and research-informed interventions are discussed. Students completing this course have an in-depth understanding and ability to work with the active-duty military and veteran community.
Prerequisite: Admission to the MSW program
- SWRK 6900 (3)**
Graduate Practicum I
 This course is designed to give students the opportunity to put social work values, skills, and knowledge into practice through supervised work in a social services agency.
Prerequisite: Admission to the MSW program.
- SWRK 6901 (3)**
Graduate Practicum II
 This is the second semester of practicum for students in the MSW program. This course is designed to give students the continuing opportunity to put social work values, skills, and knowledge into practice through supervised work in a social services agency.
Prerequisite: SWRK 6900.
- SWRK 6990 (1 to 3)**
Nonpaid Internship
 See Internship Section.
- SWRK 6991 (1 to 3)**
Paid Internship
 See Internship Section
- SWRK 6997 (1 to 3)**
Directed Readings in Social Work
 Directed individualized readings.
- SWRK 7100 (3)**
Culture and Diversity in Advanced Generalist Practice
 Social Work approaches to meet the needs of special and diverse population. Students will also study the elements of “cultural competence” as defined by the National Association of Social Workers.
Prerequisite: SWRK 6100, 6102, 6103, 6200, 6201, 6900, and 6901; or SWRK 6050. Graduate standing.
- SWRK 7101 (3)**
Advanced Practice with Diverse Individuals
 Introduction to counseling knowledge, ethics, and skills appropriate for multicultural advanced social work practice.
Prerequisite: SWRK 6100, 6102, and 6200; SWRK 6050 or 7100^. (^May be taken concurrently.)
- SWRK 7102 (3)**
Advanced Practice with Diverse Families and Groups
 The focus of this course is on the knowledge, ethics, and skills appropriate for culturally-competent advanced social work practice with diverse families and groups.
Prerequisite: SWRK 6050 or 6102; and SWRK 7100.
- SWRK 7103 (3)**
Advanced Practice with Diverse Organizations and Communities
 Knowledge, ethics, and skills for culturally-competent advanced social work practice with organizations and communities.
Prerequisite: SWRK 7100.
- SWRK 7300 (3)**
Social Work Research II
 Research methods applied to knowledge generation in social work.
Prerequisite: SWRK 6050 or 6300.
- SWRK 7301 (3)**
Research Methods in Military Social Work and Veterans Affairs
 This course focuses on research methods in a military social work and veterans affairs context. Students develop research

questions around military social work and veteran affairs. Several approaches to social work research methods are examined. The goal is a research proposal focused on military social work or veterans affairs.

SWRK 7350 (3)

Integrative Seminar in Advanced Generalist Practice

A capstone course in which MSW candidates synthesize their work and research relating to social work practice with a cultural group and create a paper suitable for publication.

Prerequisite: SWRK 7300. (^May be taken concurrently.)

SWRK 7351 (3)

Integrative Seminar in Military Social Work and Veteran Affairs

Capstone course for MSW Military and Veteran Affairs students. The course gives students the opportunity to enhance professional presentation skills through the creation of a high-quality professional paper and delivery of a poster presentation.

Prerequisite: Admission to the MSW program.

SWRK 7500 (3)

Social Welfare Policy and Services II

A continuation of SWRK 6500, this course focuses on policy analysis. Special emphasis is placed on public policies affecting diverse clients/client groups, and on the role of the social worker as a public policy change agent.

Prerequisite: SWRK 6050 or 6500.

SWRK 7900 (3)

Graduate Practicum III

Supervised work in a community social agency with special focus on a cultural group.

Prerequisite: SWRK 6050 or 6901.

SWRK 7901 (3)

Graduate Practicum IV

Continuation of supervised work in a community social agency with special focus on a cultural group.

Prerequisite: 7900.

SWRK 7902 (3)

Military and Veterans Affairs Practicum III

Use of a peer supervision model based on reciprocal arrangements whereby peers work together for mutual benefit, developmental feedback is emphasized, and a self-directed learning and evaluation is encouraged. Over two semesters, the class develops a peer-supervision model that can be used if conventional supervision is ineffective.

Prerequisite: SWRK 6050 or 6901. Agency with special focus on a cultural group.

SWRK 7903 (3)

Military and Veterans Affairs Practicum IV

Continuation of a peer supervision model based on reciprocal arrangements whereby peers work together for a mutual benefit, developmental feedback is emphasized, and self-directed learning and evaluation is encouraged. Over two semesters, the class develops a peer supervision model that can be used if conventional supervision is ineffective.

Prerequisite: SWRK 6050 or 6901. Agency with special focus on a cultural group.

THEA – Theater

THEA 1000 (3)

Introduction to Theater

A comprehensive survey course of all aspects of theater including plays, playwrights from significant eras in Western and Eastern drama, the changing roles of theatre in society,

the importance and role of the audience, and the collaborative process involved in transforming the play into a staged production.

THEA 1400 (3)

Introduction to Technical Theater

Students analyze and participate in the process of converting a play into a performance. Theoretical and practical examinations of all elements of stage production are explored and will be applied to the current HPU stage productions. Students are exposed to the basics of script analysis, directing, set and prop design, lighting design, sound design, costume design, acting, and stage managing.

THEA 2000 (1 to 2)

Theater Laboratory

Students earn one or two credits by participating in one or more aspects of the current stage production which includes acting (only if they audition and are cast), production crew members, box office, publicity, lighting, costumes, props, etc. To earn two credits, a student must put in a minimum of 30 hours. To earn one credit, a student must put in a minimum of 15 hours.

THEA 2320 (3)

Acting I: Basic Acting for Stage and Screen

A course that explores the theory and techniques of acting, with special focus on freeing the imagination and strengthening concentration and observation. This is done through theater games and exercises, pantomimes, improvisation, short dialogue scenes, and monologues.

THEA 3500 (3)

Applied Technical Theater

A continuation of production work on current HPU theater offering with increased responsibilities to the overall production.

Prerequisite: THEA 1400.

THEA 3520 (3)

Acting II: Advanced Acting

Students build on acting and performance skills acquired in Theatre 2320: Acting I. Work includes monologues, scene work, improvisation, and techniques for character creation and development.

Prerequisite: THEA 2320 or professor's consent.

THEA 3600 (3)

Advanced Technical Theater

Advanced training in theater production, preparing students for employment in theater marketing, theater management, and theater production.

Prerequisite: THEA 3500.

THEA 3620 (3)

Directing

Understanding and discovering theater from the director's point of view and exploring the director's approach of the written text, production concepts, casting, rehearsal process, and the entire creative environment that leads to performance. Practical application of the theories and techniques are done through students directing actors in scenes from plays. Repeatable for a total of 6 credits.

Prerequisite: THEA 3420 of 3500 or consent of instructor.

THEA 4900 (3)

Seminar in Theater

Students complete a series of projects in theater, which will enrich their professional portfolio. A major project may include a creation and production of a play, implementing

their skills and knowledge from acting, production, and directing courses. The student also designs and constructs a professional portfolio.

Prerequisite: THEA 3600, 3620, or 4520.

THEA 4950 (3)
Theater Performance

This course is for students interested in being involved in the production of a play to be directed by the instructor and to be presented before an audience. The play chosen, created, or developed will depend on the interest and areas of focus of the students in the class. Students who repeat the course will have added responsibilities in the production aspect of the performance.

Prerequisite: Any introductory theater course, or consent of instructor.

WRI—Writing

WRI 1000 (3)
Academic Writing for ESL Students

A course designed to improve the writing fluency and accuracy of non-native speakers of English to prepare them for freshman composition. It emphasizes vocabulary development, revision, and editing skills. Writing assignments include a variety of paragraphs and multi-paragraph compositions

Prerequisite: Advisor approval.

WRI 1050 (3)
English Fundamentals

This course prepares students for college-level writing tasks. Provides instruction in paragraph and essay development, as well as in the writing process, including brainstorming, drafting, revising, and editing.

[This course is a prerequisite for Written Communication and Information Literacy I courses for students needing additional instruction prior to beginning introductory writing courses. Students who place into WRI 1050 are encouraged to take the HPU writing placement test to try to place directly into a Written Communication and Information Literacy I course. Placement testing appointments can be scheduled by contacting an HPU Academic Advisor.]

WRI 1100 (3)
Writing and Analyzing Arguments

WRI 1100 provides instruction and practice in college-level writing tasks, emphasizing the writing of arguments and the awareness that argument is the cornerstone of academic writing. Students will develop critical thinking skills and academic writing skills by reading, analyzing, and understanding complex texts. In order to learn how to write college-level arguments, students will refine their writing processes, develop their awareness of audience and rhetorical context, develop information literacy including the effective and proper use of source material, and expand their repertoires of rhetorical strategies and organizational techniques.

Prerequisite: An appropriate score on a placement test.

WRI 1101 (1)
Analyzing and Writing Arguments Laboratory

A writing workshop lab to be taken concurrently with any WC&IL I course. Provides supplementary instruction and practice in critical reading and analysis and in research, writing, and editing techniques for students needing additional support in these areas of first-year writing courses. May be repeated for credit.

WRI 1150 (3)
Literature and Argument

This course combines an introduction to literature with

instruction and practice in college-level writing tasks. WRI 1150 fulfills the Written Communication and Information Literacy I requirement and substitutes for WRI 1100.

Prerequisite: an appropriate score on a placement test.

WRI 1200 (3)
Research, Argument, and Writing

This course continues WRI 1100's focus on argument as the cornerstone of academic writing, emphasizing organization, logical reasoning, and critical thinking. Students prepare a major argumentative research paper by locating and evaluating sources; summarizing, synthesizing, and incorporating them; and attributing ideas to their sources.

Prerequisite: An appropriate score on a placement test and a grade of B- or better in any WC&IL I course, or a grade of C- or better in any WC&IL I course (WRI 1100, 1150) and concurrent enrollment in WRI 1201; or an appropriate score on a placement test.

WRI 1201 (1)
Research, Argument, and Writing Lab

This lab is a revising and editing workshop which is taken concurrently with WRI 1200 or any Written Communication and Information Literacy II course. The lab provides additional instruction and practice in written language skills and editing techniques to help students succeed. While working one-on-one or in groups with tutors, students will examine their writing course assignments and readings, receive guidance through the writing and research process, review grammar and mechanics, and develop self-editing skills. The emphasis of this lab is to help students gain the confidence and skill needed for them to write well independently.

Prerequisite: Concurrent enrollment in any WC&IL II course.

WRI 1250 (3)
Introduction to Research in the Humanities

WRI 1250, like 1200, focuses on how to develop arguments on topics that can be understood only after seeking and carefully reading information from a variety of sources. This class is designed as an alternative to WRI 1200 for those students with a particular interest in examining, researching, and writing about the arts (e.g., literature, painting, dance, music, drama, and film, among others). It provides an excellent foundation for the upper-division Research and Writing in the Humanities (HUM 3900) as well as other 3000-level research classes.

Prerequisite: A grade of C- or better in any WC&IL I course.

WRI 2601 (3)
Introduction to Creative Writing

In this course students will analyze and practice fundamental techniques of the major genres of creative writing. Students will study and work in all or most of the following genres: fiction, poetry, drama, and creative nonfiction. For each of the genres covered, students will be expected to produce a draft original work to be workshopped by their peers.

Prerequisite: Any WC&IL I course.

WRI 3310 (3)
Poetry Workshop

An introduction to the study and composition of poetry. As a foundation to the craft of poetry writing, prosody is studied and discussed and British and American poetry is surveyed. Students submit poems to the class for critique, and they may prepare pieces for the university literary magazine as well as for submission to other magazines.

Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.

- WRI 3311** (3)
Childhood and Poetry Workshop
 This course is a poetry workshop in which students develop a portfolio of about 25 poems on the subjects of childhood and identity. Students will become familiar with poetry writing techniques and how to teach them, the role of childhood in literature, and a number of well-known poets. Students will also become familiar with Romantic and other trends in poetry and will apply techniques learned to their own poetry writing.
Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3313** (3)
The Sacred and the Erotic in Lyric Poetry
 This is an upper-division poetry writing class that will blend creative writing with an investigation of a variety of selected sacred and erotic texts, both ancient and modern. Students will work in seminar fashion, examining both required poetry collections and theoretical texts in addition to producing their own lyrics for workshop discussion.
Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3320** (3)
Scriptwriting
 A course that teaches students the fundamental principles of writing for both the stage and screen, including basic drama and film theory and proper script formats. Students analyze texts and view scenes from plays and films and perform a series of exercises in dialogue, character development, segment development, spectacle and mise-en-scène, stage and film conventions, tragedy and comedy structure, and other archetypal plot formulae. Students will write a short script for the stage or screen that demonstrates a practiced understanding of these elements.
Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3330** (3)
Fiction Writing
 A workshop designed to introduce the student of fiction to techniques and concepts such as characterization, plotting, point of view, theme, setting, and tone. The focus of the course is on writing the short story, although other fictional forms may be explored. Markets for fiction and preparing manuscripts for submission are also discussed. Enrollment is limited to 15 students.
Prerequisite: Any WCIL2 course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3340** (3)
Creative Nonfiction Writing Workshop
 WRI 3340 is a creative writing workshop focusing on how to apply literary techniques to nonfiction writing. The class is conducted in workshop format, with students revising their essays in response to feedback. Students also analyze the techniques of professional creative nonfiction, keep a reflective journal, and prepare a portfolio.
Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3391** (3)
Wanderlust: Student Literary Magazine
 In this class, students serve as editors for *Wanderlust*, the student literary magazine of Hawai'i Pacific University. In addition, students polish their own creative writing skills in order to produce publishable poetry, prose, or drama.
Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3510** (3 or 4)
Composition Studies
 This course combines the study of composition theory with practical classroom experience. Topics of discussion, among others, include conferencing techniques, assignment and test composition, revision and editing strategies, writing-process theory, voice and style, and class dynamics. Students follow the progress of their own students in writing labs, present oral reports, and write a short research paper.
Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3951** (1)
Staff Reader, Hawai'i Pacific Review
 In this practicum course, students act as staff readers for Hawai'i Pacific Review, the university's national and international online literary journal. Their main responsibility involves reading submissions in the principal creative genres published in the journal. Students will communicate with each other, with the managing editors of the magazine, and with the faculty editor to recommend which submissions will be published. Students will also help to solicit submissions, to edit submissions selected for publication, and to publicize the magazine. Staff readers will be in constant communication with the editors, and will participate in editorial meetings several times a semester.
Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3953** (3)
Managing Editor, Hawai'i Pacific Review
 In this practicum course, two students will act as managing editors for Hawai'i Pacific Review, HPU's online literary journal. Managing editors will be responsible for managing the magazine's staff readers and their workloads. They will work closely with the faculty editor to make final decisions regarding published content and assume administrative responsibilities associated with soliciting submissions, publicity, copy-editing, and securing rights to published work. Managing editors should expect to meet often with the faculty editor and to be in constant communication with the staff. They should expect to plan and convoke several editorial meetings with the entire staff.
Prerequisite: Any WC&IL II course; or WRI 1150, ENG 2000, 2100, 2500 or WRI 2601; or department permission.
- WRI 3990** (1 to 3)
Nonpaid Internship
 See Internship Section.
- WRI 3991** (1 to 3)
Paid Internship
 See Internship Section.
- WRI 4990** (1 to 3)
Advanced Writing Revision Workshop
 Using a workshop format, students will study the principles of deep revision and apply this knowledge to revising prior academic and/or creative work. The course serves to serve students with a range of experiences in a variety of academic disciplines, and may be taken for variable credit. Those taking it for three credits will synthesize selected pieces into a coherent, compelling, portfolio that they may carry forward to their professional or graduate school careers. The 3-credit course with portfolio component is the capstone for the Writing Minor.
Prerequisite: Three 3000-level writing courses; or permission of instructor.
- WRI 4997** (1 to 3)
Directed Readings in Writing
 Directed individualized reading.



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University Academic Calendar 2018-2019

(Tentative—Subject to Change)

www.hpu.edu/academic-calendar

Fall 2018 (August 27, 2018–December 9, 2018)

15-Week Term (Part of Term 1)

(August 27, 2018–December 9, 2018)

First Day of Instruction (15-Week Classes)	Monday, August 27, 2018
University Holiday (Labor Day).....	Monday, September 3, 2018
University Holiday (Veterans' Day—Observed).....	Monday, November 12, 2018
University Holiday (Thanksgiving Break).....	Thursday, November 22, 2018–Friday, November 23, 2018
Final Exam Period	Monday, December 3, 2018–Sunday, December 9, 2018
15-Week Term Ends.....	Sunday, December 9, 2018
Fall Commencement Ceremony	Thursday, December 13, 2018 (tentative)

1st 8-Week Session (Part of Term 8A)

(August 20, 2018–October 14, 2018)

First Day of Instruction (1st 8-Week Classes)	Monday, August 20, 2018
University Holiday (Labor Day).....	Monday, September 3, 2018
1st 8-Week Session Ends.....	Sunday, October 14, 2018

2nd 8-Week Session (Part of Term 8B)

(October 15, 2018–December 9, 2018)

First Day of Instruction (2nd 8-Week Classes).....	Monday, October 15, 2018
University Holiday (Veterans' Day—Observed).....	Monday, November 12, 2018
University Holiday (Thanksgiving Break).....	Thursday, November 22, 2018–Friday, November 23, 2018
2nd 8-Week Session Ends	Sunday, December 9, 2018
Fall Commencement Ceremony	Thursday, December 13, 2018 (tentative)

Winter 2018 (December 9, 2018 – January 6, 2019)

First Day of Instruction.....	Monday, December 10, 2018
University Holiday (Holiday Break)	Tuesday, December 25, 2018–Monday, December 31, 2018
University Holiday (New Year's Day).....	Tuesday, January 1, 2019
4-Week Term Ends.....	Sunday, January 6, 2019

Spring 2019 (January 14, 2019–May 5, 2019)

15-Week Term (Part of Term 1)

(January 14, 2019–May 5, 2019)

First Day of Instruction.....	Monday, January 14, 2019
University Holiday (Dr. Martin Luther King, Jr. Day)	Monday, January 21, 2019
University Holiday (Presidents' Day)	Monday, February 18, 2019
Spring Break	Monday, March 4, 2019–Sunday, March 10, 2019
University Holiday.....	Friday, March 8, 2019
University Holiday (Prince Jonah Kūhīō Kalaniana'ole Day).....	Tuesday, March 26, 2019
University Holiday (Good Friday)	Friday, April 19, 2019
Final Exam Week	Monday, April 29–Sunday, May 5, 2019
15-Week Term Ends.....	Sunday, May 5, 2019
Spring Commencement Ceremony	Thursday, May 9, 2019 (tentative)

1st 8-Week Session (Part of Term 8A)

(January 7, 2019–March 3, 2019)

First Day of Instruction.....	Monday, January 7, 2019
University Holiday (Dr. Martin Luther King, Jr. Day)	Monday, January 21, 2019
University Holiday (Presidents' Day)	Monday, February 18, 2019

1st 8-Week Session Ends.....Sunday, March 3, 2019

[Spring Break.....Monday, March 4–Sunday, March 10, 2019]

2nd 8-Week Session (Part of Term 8B)

(March 11, 2019–May 5, 2019)

First Day of Instruction.....Monday, March 11, 2019

University Holiday (Prince Jonah Kūhiō Kalanianaʻole Day).....Tuesday, March 26, 2019

University Holiday (Good Friday)Friday, April 19, 2019

2nd 8-Week Session EndsSunday, May 5, 2019

Spring Commencement CeremonyThursday, May 9, 2019 (tentative)

[Non-Instructional Period.....Monday, May 6–Sunday, May 12, 2019]

Summer 2019 (May 13, 2019–August 18, 2019)

14-Week Term (Part of Term 1)

(May 13, 2019–August 18, 2019)

First Day of Instruction.....Monday, May 13, 2019

University Holiday (Memorial Day)Monday, May 27, 2019

University Holiday (King Kamehameha I Day)Tuesday, June 11, 2019

University Holiday (Independence Day).....Thursday, July 4, 2019

14-Week Term EndsSunday, August 18, 2019

1st 7-Week Session (Part of Term 7A)

(May 13, 2019–June 30, 2019)

First Day of Instruction.....Monday, May 13, 2019

University Holiday (Memorial Day)Monday, May 27, 2019

University Holiday (King Kamehameha I Day)Tuesday, June 11, 2019

1st 7-Week Session Ends.....Sunday, June 30, 2019

8-Week Session (Part of Term 8)

(May 13, 2019 – July 7, 2019)

First Day of Instruction.....Monday, May 13, 2019

University Holiday (Memorial Day)Monday, May 27, 2019

University Holiday (King Kamehameha I Day)Tuesday, June 11, 2019

University Holiday (Independence Day).....Thursday, July 4, 2019

8-Week Session EndsSunday, July 7, 2019

2nd 7-Week Session (Part of Term 7B)

(July 1, 2019 – August 18, 2019)

First Day of Instruction.....Monday, July 1, 2019

University Holiday (Independence Day).....Thursday, July 4, 2019

2nd 7-Week Session EndsSunday, August 18, 2019



DOWNTOWN CAMPUS MAP



AP
Aloha Pacific Credit Union
Building
988 Fort Street
Honolulu, HI 96813

ATM
Aloha Tower Marketplace
1 Aloha Tower Drive
Honolulu, HI 96813

FS
Fort Street Building
1166 Fort Street
Honolulu, HI 96813

KK
Kukul Plaza
1255 Nu'uuanu Ave.
Honolulu, HI 96813

LB
Lower Bishop Building
1060 Bishop Street
Honolulu, HI 96813

MP
Model Progress Building
1188 Fort Street
Honolulu, HI 96813

PL
Pioneer Plaza
900 Fort Street
Honolulu, HI 96813

UB
Upper Bishop Building
Finance Factors Center
1164 Bishop Street
Honolulu, HI 96813

- Parking
- City Bus Stop
- HPU Shuttle Stop

DEPARTMENT	LOCATION
Academic Advising Center	UB 123
Academic Affairs	UB 800
Admission Office	UB 1100
Alumni and University Relations	AP 200
Athletics and Campus Recreation	FS 102
Athletics Training Room	KK
Bookstore	ATM 1st Floor
Business Office	UB 1200
Career Development Center	UB 122
Center for Academic Success	LB 8th floor
College of Business	PL 600
College of Liberal Arts	FS 200
College of Professional Studies	UB 911
Computer Center at Learning Commons	ATM 1st Floor
Commuter Service	ATM 1st Floor
Counseling and Behavioral Health Services	UB 905
Dean of Students Office	ATM 1st Floor
eSports Arena	ATM 1st Floor
Faculty-Student Lounge	ATM 1st Floor
Financial Aid	UB 201
First-Year Programs	ATM 1st Floor
Human Resources	UB 800
Learning Commons	ATM 1st Floor
Meador Library	LB 2nd – 5th floors
Office of International Students and Scholars	UB 200
Provost's Office	UB 800
Registrar Office	UB 216
Residence Life at Waterfront Lofts	ATM 1st Floor
Sharky's Cove	MP 1st floor
Student Life	ATM 1st Floor
Study Abroad and International Student Exchange	UB 200
Tutoring Center	LB 6th Floor
VAJ Military Center	UB 912
Warner Auditorium	LB Penthouse



HAWAII LOA CAMPUS MAP

45-045 Kamehameha Highway
Kaneohe, HI 96744

Building 1
Amos Starr and Juliette
Montague Cooke Memorial
Academic Center

Building 2
Samuel N. and Mary Castle
Memorial Dining Commons
Residence Life
Counseling & Behavioral Health

Buildings 3-8

Residence Halls

Buildings 9 and 10

Castle Medical

Building 11

Physical Plant

DEPARTMENT	LOCATION
College of Health and Society	Building 1
College of Natural and Computational Sciences	Building 1

07/19/18 TG

Island of O'ahu HPU Campus Locations

