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MAUI COLLEGE
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GENERAL *catalog* 2020 – 2021

MAUI COLLEGE
UNIVERSITY of HAWAIʻI®

310 W. Kaʻahumanu Ave, Kahului, HI 96732
(808) 984-3500 | maui.hawaii.edu

University of Hawaiʻi Maui College
is a non-smoking campus

LEGEND:

- 🚌 Bus Stop
- ♿ Handicapped Parking
- 🔵 Code Blue Emergency Phone Tower
- 🟥 Security
- 🟪 EV Charging Stations
- 🔷 Water Station

Ho'okipa Building

ANNEX
Nā Pua No'eau
Upward Bound
Veterans Resource Center

AUTO BODY (AUBODY)
Auto Body Repair & Painting

AUTO TECH (AUTECH)
Automotive Technology

BOOKSTORE
Pilina Building

CARPENTRY (CARPEN)
Construction Technology

CTAHR
College of Tropical Ag & Human Resources

HAWAIIAN & FOREIGN LANGUAGES
Classrooms

FACULTY HALE
Faculty Offices

HALE
Classrooms 216, 217, 218, 219

HEALTH CENTER
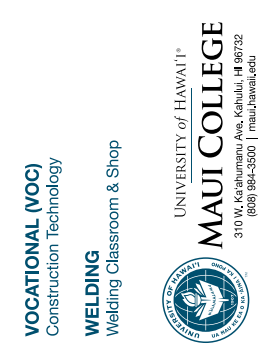
HEONA
Ceramics
Fine Arts

Admission & Records
Business Office/Cashier
Counseling & Advising
Educational Opportunity Center (EOC)
Fashion Technology
Financial Aid
Personnel
Vice Chancellor of Administrative Svc.
Vice Chancellor of Student Affairs
Wong Conference Room

HO'OULU (ULU)
Agriculture
Greenhouse

'IKE LE'A (IKE)
Science Classrooms & Offices

KA'A'IKE (KAA)
Computing Services
Digital Media Lab
Electronics Classrooms
SkyBridge/HITS/TV Studios
IT Help Desk (2nd Floor Rm 203)
Media Center
Music Studio

Title III Lab & Staff Offices

KA LAMA (KLMA)
Classrooms
Ho'okahua Lab (2nd Floor)
Ka Lama Computer Lab
Pai Ka Mana Student Support
Student Government

KŪPA'A
Classrooms
Math Lab

LIBRARY (LIB)
Classroom (1st Floor)
Library (2nd & 3rd Floor)
Mailroom/Lost & Found (1st Floor)
Offices (1st Floor)

Apprenticeship Program
CareerLink
Ho'āla
Office of Extended Learning and
  Workforce Development (ELWD)
Ku'ina Program
Maui Language Institute

SECURITY OFFICE (808) 984-3255
Sustainable Living Institute of Maui
University of Hawai'i Center

THE LEARNING CENTER (TLC)
Building C - Language Arts
Building L - The Learning Center
Building N - Allied Health

EMS Training Center
Ka Hikina O Ka Lā
Title III Offices

NOI'I
Classrooms (2nd Floor)
Dental Hygiene

NURSING PORTABLES (NURS)
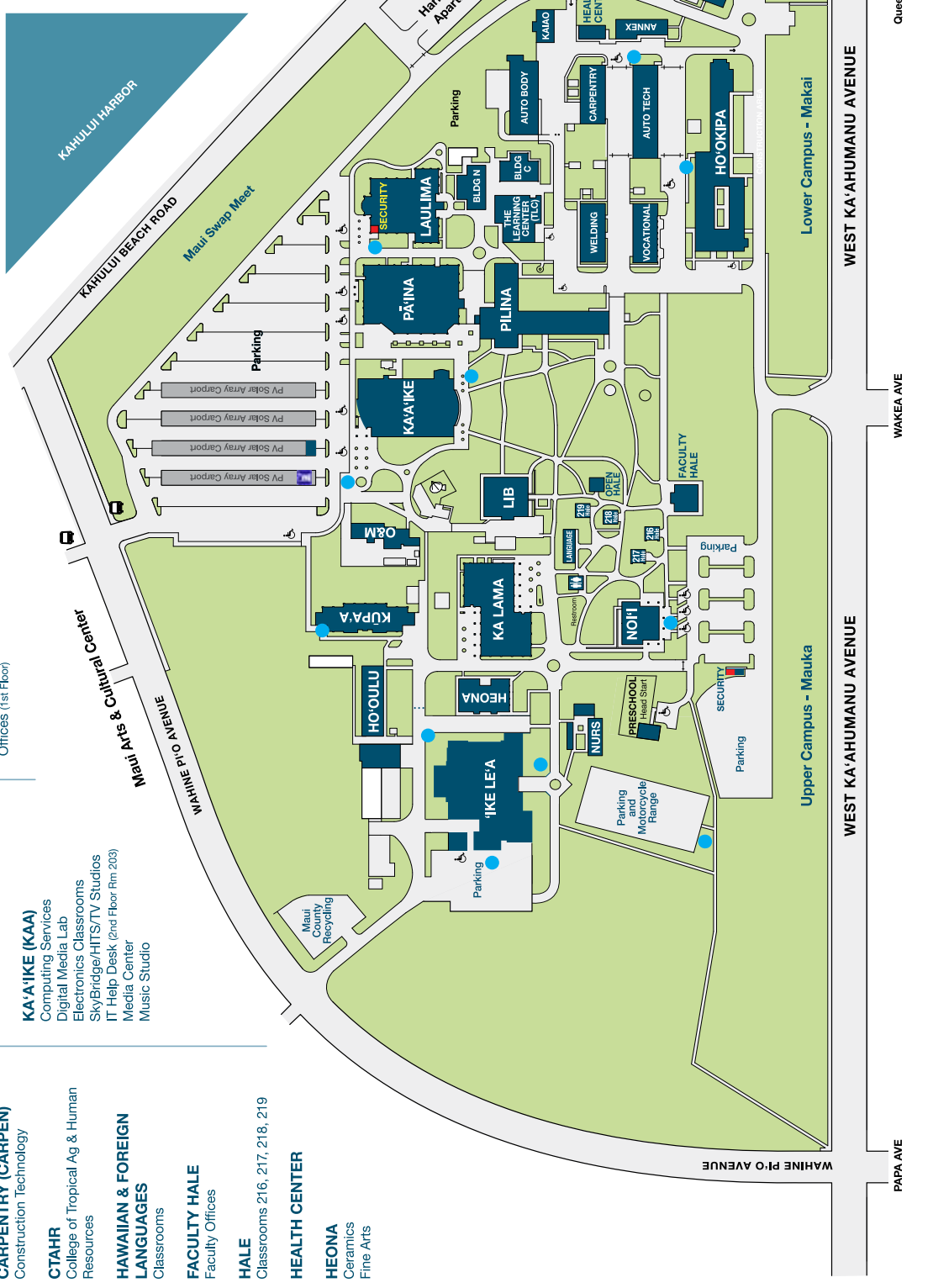Nursing

O&M
Operations & Maintenance

Food Court & Culinary Arts Classrooms
The Leis Family Class Act Restaurant (2nd Floor)

PILINA
Bookstore (1st Floor)
Culinary Arts Program Offices (1st Floor)
Multipurpose Public Meeting Room (2nd Floor)
Office of the Chancellor (2nd Floor)
Office of Deans (1st Floor)
Special Needs/Disability Services (1st Floor)
Student Life (2nd Floor)
Student Lounge (2nd Floor)
UH Foundation (2nd Floor)
UH Maui Fit (1st Floor)

PRESCHOOL
UHMC-MEO Head Start

VOCATIONAL (VOC)
Construction Technology

WELDING
Welding Classroom & Shop

KAHULUI BEACH ROAD

KAHULUI HARBOR

Harbor Lights Apartments

Maui Swap Meet

Parking

PV Solar Array Carport
PV Solar Array Carport
PV Solar Array Carport
PV Solar Array Carport

Maui Arts & Cultural Center

Maui County Recycling

WAHINE PI'O AVENUE

WEST KA'AHUMANU AVENUE

Upper Campus - Mauka

Lower Campus - Makai

Queen Kaʻahumanu Shopping Center

WAKEA AVE

PAPA AVE

Buildings (on map)
SECURITY
LAULIMA
PĀINA
PILINA
KA'A'IKE
HO'OULU
KUPA'A
O&M
LIB
HEONA
KA LAMA
NOI'I
'IKE LE'A
NURS
PRESCHOOL Head Start
Parking and Motorcycle Range
LANGUAGE
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FACULTY HALE
219 HALE
218 HALE
217 HALE
216 HALE
Restroom
AUTO BODY
CARPENTRY
AUTO TECH
WELDING
VOCATIONAL
HO'OKIPA
BLDG N
BLDG C
THE LEARNING CENTER (TLC)
KAIAO
HEALTH CENTER
ANNEX
COMMUNITY SERVICES BUILDING
CTAHR OFFICES
MULTIPURPOSE BUILDING

University of Hawai'i Maui College

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310 W. Ka'ahumanu Avenue
Kahului, HI 96732-1617
Phone: 808-984-3523
Fax: 808-244-6595
uctrmaui.hawaii.edu/

UH Maui College Outreach Centers:

UHMC Hāna Education Center
P.O. Box 927, Hāna, HI 96713
Phone: 808-248-7380
Fax: 808-248-7392

UHMC Lahaina Education Center
60 Kenui Street, Lahaina, HI 96761
Phone: 808-662-3911
Fax: 808-662-3913

UHMC Lāna'i Education Center
329 7th Street, P.O. Box 630648
Lāna'i City, HI 96763
Phone: 808-565-7266
Fax: 808-565-7269

UHMC Moloka'i Education Center
375 Kamehameha V Highway
P.O. Box 440, Kaunakakai, HI 96748
Phone: 808-553-4490
Fax: 808-553-4495
hawaii.edu/molokai/

UHMC Moloka'i Farm
P.O. Box 511, Ho'olehua, HI 96729
Phone: 808-567-6577

UH Maui College is committed to comply with all State and Federal statutes, rules, and regulations that prohibit discrimination and to a policy of nondiscrimination on the basis of race, sex, age, religion, color, national origin, ancestry, citizenship, disability, marital status, breastfeeding, income assignment for child support, arrest and court records (except as permissible under state law), sexual orientation, National Guard absences, gender identity and expression, genetic information, or status as a covered veteran. This policy covers admission and access to, and participation, treatment, and employment in the College's programs, activities and services. Sexual harassment is prohibited under this policy. The College shall promote a full realization of equal opportunity through a positive, continuing program of nondiscrimination and affirmative action (41 CFR Chapter 60). College information is available in alternative formats such as Braille, large-print, reader assistance, and by computer disk.

UHMC offers Career and Technical Education (CTE) Programs of Study leading to Associate of Science (AS) and Associate of Applied Science (AAS) degrees, as well as postsecondary certificates, in career fields such as arts and communications, business, health services, industrial and engineering technology, natural resources, and public and human services. For more information visit our website at http://maui.hawaii.edu. UHMC applies an open access policy, with program admission based upon the completion of applicable course/testing prerequisites. The lack of English skills will not be a barrier to admission and participation in CTE programs. For language translation assistance, please see the campus Admissions Office.

The following officers are designated to handle inquiries regarding nondiscrimination policies:
- Debbi Brown, Title IX Coordinator, EEO/AA Coordinator, 808-984-3601
- Lorelle Peros, Title IX Deputy Coordinator for Students, 808-984-3343
- Laura Lees Nagle, Title IX Deputy Coordinator for Students, 808-984-3475
- Susan Tokunaga, (Personnel Manager), Section 504 Coordinator – Employees, 808-984-3380
- Shane Payba, Interim Disability Services Counselor, Section 504 Coordinator – Students, 808-984-3227

Hearing impaired individuals may contact the College for information by using the telecommunications device for the deaf (TDD) relay service number 808-984-3325. Information about the programs, services, activities, and facilities that are available to persons with disabilities can be obtained by contacting the Disability Services Coordinator at 808-984-3227.

Disclaimer Statement –

This catalog provides general information about UH Maui College, and its programs and services, and summarizes major policies and procedures relevant to the student. Information contained in this catalog is not necessarily complete. College catalogs are published once per year or less frequently and do not always reflect the most recent campus actions involving core courses. For further information, students should consult with the appropriate unit. This catalog was prepared to provide information and does not constitute a contract. The College reserves the rights to, without prior notice, change or delete, supplement or otherwise amend at any time the information, requirements, and policies contained in this catalog or other documents.

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Photos . . . . Marc Antosch and John Franks
Cover Design . . . . Sae Design and Marc Antosch

Main Telephone Number. **808-984-3500**

Admission & Registration 984-3267, 984-3276
Apprenticeship 984-3404
Bookstore. 984-3248
Business Office. 984-3257, 984-3288
Computing Center and IT Help Desk 984-3283
Continuing Education & Training (Non-Credit Courses) 984-3231
Cooperative Education 984-3318
Counseling Center 984-3306
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Lāna'i Education Center. 565-7266
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Lost & Found 984-3500
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Testing 984-3240
The Learning Center (TLC)/Tutoring 984-3240
University of Hawai'i Center, Maui 984-3523
Upward Bound. 984-3564, 984-3299
Veterans Resource Center. 984-3242

Department Chair Phone Numbers

Dept. Chair, Allied Health, Anne Scharnhorst 984-3646
Dept. Chair, Business & Hospitality, Lorelle Peros. 984-3343
Dept. Chair, CTE/VocTech, Thomas Hussey 984-3236
Dept. Chair, English, Emily White. 984-3458
Dept. Chair, Humanities, Michael Takemoto. 984-3249
Dept. Chair, Social Science, Julie Powers 984-3291
Dept. Chair, STEM, Sean Calder. 984-3220

General Information

Aloha and welcome to UH Maui College!

"'A'ali'i kū makani", is a Native Hawaiian expression of resilience meaning steadfast in the face of difficulties. It is the 'a'ali'i, a native plant that can stand the worst of the gales, twisting and bending, but seldom breaking off or falling over.

As you begin the Fall semester you will be the first to experience the new Higher Education normal. The new normal includes on-line courses, hybrid courses, sanitation protocols, service by appointment only, and face masks. I encourage you to be the 'A'ali'i and meld and evolve with the new normal and be in sync with the changes versus in opposition.

I welcome you to the University of Hawai'i Maui College, if you are a new, returning, continuing, or transferring student, I hope you find everything you are looking for right here on Maui. At UH Maui College you will find first-rate faculty, well equipped classrooms, friendly staff, and an enthusiastic community committed to your success. Find your passion and make the best of this opportunity to study at UH Maui College.

Again, welcome to UH Maui College and if I can be of assistance on your journey please do not hesitate to contact me at 808-984-3636 or via email at Lhokoana@ hawaii.edu.

'A'ali'i kū makani,

*Lui K Hokoana, EdD
Chancellor*

UH Maui College

The University of Hawai'i Maui College (UHMC) serves the educational needs of residents of the three islands comprising Maui County: Moloka'i, Lāna'i, and Maui.

Mission

The University of Hawai'i Maui College inspires students to develop knowledge and skills in pursuit of academic, career, and personal goals in a supportive educational environment that emphasizes community engagement, lifelong learning, sustainable living, Native Hawaiian culture, and global understanding.

Vision

The University of Hawai'i Maui College: We will prepare students to respond to emerging challenges in their lives, communities, and the world through compassion, leadership, problem-solving, and innovation.

Accreditation

University of Hawai'i Maui College is accredited by the WASC Senior College and University Commission, 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, 510-748-9001, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

History

UH Maui College is an outgrowth of the Maui Vocational School established in 1931. In 1958 the Department of Public Instruction authorized the name change to Maui Technical School, denoting an upgrade of vocational education to a technical level. In 1964 the Hawai'i State Legislature enacted the Community College Act establishing a statewide community college system under the University of Hawai'i. Maui Technical School was incorporated into this system on July 1, 1965, and jurisdiction transferred from the Department of Education to the University of Hawai'i.

In 1966 the UH Board of Regents authorized the College to confer the Associate in Arts and the Associate in Science degrees and approved the name change to Maui Community College, effective July 1, 1966. The first lower division transfer courses followed in September 1967.

In February 2010, the UH Board of Regents approved the name change from Maui Community College to University of Hawai'i Maui College to more accurately represent the college's programs and services that now include 20 associate and 3 baccalaureate programs.

The College is one of seven community colleges in the UH system. It is the only UH college that specifically serves the residents of more than one island. The Fall 2016 student population was 3,164 students. The main campus encompasses 78 acres at the Kahului site. Since 1995, 7 buildings have been added: Ka Lama, Ka'a'ike, Kaiao, Kūpa'a, 'Ike Le'a, Laulima, and Pa'ina. A private, off-campus apartment facility is within a short walking distance to the Kahului campus, shopping centers, markets, and banks.

Accommodating students by using alternative delivery has been a primary value of the College. Self-paced classes, begun in 1985, opened up an array of concurrently-taught courses and diversified offerings in areas with a lower population base. Technological advances further opened access to students by minimizing their need to be physically present on the Kahului campus. The first cable course was broadcast across Maui County in 1986. The SkyBridge tri-isle interactive television system followed shortly in 1988 and enabled students at Moloka'i, Lāna'i, and Hāna to participate in classes simulcast from the Kahului studio. Statewide delivery via the Hawai'i Interactive Television System (HITS) began in 1991, which made possible advanced degrees from UH four-year institutions.

The history of UH Maui College also reflects its value to accommodate students with difficulty reaching the Kahului campus through the development of Outreach Centers in Hāna, Lahaina, Lāna'i, and Moloka'i.

Associate degrees (AA, AS, AAS, and ATS) may be completed in two years. The Bachelor of Applied Science (BAS) degree may be completed in four years. Some students do not wish to pursue a certificate or degree and select courses according to their own personal interests or career needs.

University of Hawai'i Center, Maui

The University of Hawai'i Center Maui works in partnership with the UH colleges at Manoa, West Oahu, and Hilo to offer bachelor and graduate programs and professional certificates to students in Maui County. Classes are taught onsite at the Kahului campus or through distance technology. These formats make it possible for students who live and work in Maui County to earn advanced degrees. Course schedules are designed to accommodate students' work and family responsibilities.

For information, call 984-3523, or visit the website: *uctrmaui.hawaii.edu/*.

Summer Session

The College summer session provides the opportunity to accelerate progress toward a certificate or degree. Since summer session is "self-supporting," tuition rates for most courses are higher than regular sessions.

Contact Admission and Records, call 808-984-3267 or visit: *www.maui.hawaii.edu/classes*.

Moloka'i Education Center

Outreach classes were first offered in 1970 to Moloka'i residents. Hotel Operations and Liberal Arts classes were taught at the Kaunakakai Elementary School. In 1986 the College rented a 2,000 sq. ft. facility, and enrollments doubled. The Moloka'i Ag Farm, acquired in 1982, offered Agricultural Careers, the first onsite full-time college degree program accessible to the residents.

Flexible instructional delivery modes played an integral role in expanding Moloka'i offerings with self-paced, cable, and SkyBridge classes. Implementation of HITS in 1991 gave access to advanced degrees from other UH institutions. Many Moloka'i-based lecturers are hired as onsite instructors. Students follow published sequences leading to certificates and degrees and take part in cyclic commencements on Moloka'i attended by families and friends.

The dream of a permanent facility became a reality in August 1999 with opening of the Moloka'i Education Center, which remains the focal point of higher education on Moloka'i today. The facility houses a general purpose classroom, three interactive television studios, a computer lab, a library, a seminar room, and offices.

For information, call 808-553-4490.

Lānaʻi Education Center

The Lānaʻi Education Center is the only post-secondary educational institute on the island of Lānaʻi, serving the community and assisting as a liaison for the University of Hawaiʻi system. The center has two distance learning classrooms and a computer lab. The center offers credit and non-credit classes. The student populations consist of high school and community students. High school students earn dual credits. Instruction is delivered via distance learning models such as interactive television, hybrid, cable, and internet. And sometimes there are live classes. The center offers placement testing, proctoring of exams from other institutions, video conferencing, academic counseling, assistance with financial aid and scholarship applications, college applications and job skills. The center acts as a "one stop center" serving the community.

❦ For information, call 808-565-7266.

Hāna Education Center

The Hāna Education Center has been making higher education possible for the residents of the remote East Maui community since 1987. It is conveniently located in the Hāna Community Center, in the heart of town. Classes are produced via the University of Hawaiʻi HITS (two-way closed circuit TV) system, cable television, the internet and "live" onsite. By utilizing the technologically advanced HITS system, students are able to participate in courses taught throughout the UH system, including those leading to advanced degrees.

The student base is comprised of degree seekers and lifelong learners as well as high school students. It is not unusual to have several generations of one family enrolled in various classes in a given semester.

❦ For information, call 248-7380.

Lahaina Education Center

The newest of the UHMC outreach sites, the Lahaina Education Center, manages all aspects of the college experience for the residents of West Maui. Students attend "live" credit classes with local instructors, or attend via the HITS closed circuit TV system. Students and community members utilize the Center for placement testing, applying for financial aid online, exam proctoring, or arranging a meeting with an academic advisor in person or via video conferencing. Continuing Education classes are available, as well as meetings and seminars for college bound residents. Located on Kenui Street

between Front Street and Honoapiilani, the Lahaina Education Center is an integral part of the West Maui community.

❦ For information, call 808-662-3911.

Office of Extended Learning and Work-force Development (ELWD)

The Office of Extended Learning and Workforce Development (ELWD) serves Maui County's workforce training and community education needs with an emphasis on job skills, hands-on training, lifelong learning, and cultural understanding. Through partnerships with the Hawaiʻi Department of Labor and Industrial Relations and the public workforce system, ELWD provides career training and support services to develop the skills and credentials needed for employment. Other ELWD programs include: customized training for businesses, Hoʻala, Maui Food Innovation Center, and *(described in Special Curricula section)* the Trades Apprenticeship training program and the Sustainable Living Institute of Maui. Classes are offered at the Kahului campus.

❦ For more info, call 808-984-3231, or visit *maui.hawaii.edu/elwd*.

Hoʻala

Hoʻala offers continuing education, career training, and professional development courses in a wide range of topics including food innovation, computers and technology, business languages, Hawaiian culture, art, youth classes, agriculture, and energy. No matter where you are in life, Hoʻala is your source for lifelong learning on Maui.

❦ For info, call 808-984-3231 or visit *http://maui.hawaii.edu/elwd*.

Maui Food Innovation Center (MFIC)

The Maui Food Innovation Center (MFIC) is a business entrepreneurship program designed to support local food producers through education and training, business incubation services, food product and development.

Maui Food Innovation Center helps develop "cottage" size companies into medium-sized food manufacturing in the State of Hawaiʻi by providing education, access to industry leaders, and a shared-use food business incubator and processing facility with a vast array of resources and technologies to elevate and foster their growth.

❦ For more information, call 808-984-3690, visit *maui.hawaii.edu/foodinnovation*, or email *uhmcmfic@hawaii.edu*.

Small Business Development Center (SBDC)

The Hawaii Small Business Development Center coordinates two centers:

Small Business Development Center

The Maui office of the Hawaii SBDC provides counseling, training, and other resources to small businesses. Funded by the U.S. Small Business Administration and the State of Hawaiʻi, the SBDC provides confidential one-on-one counseling by qualified business professionals, as well as in-class workshops, networking events, and online training. There are no fees for consulting services.

❦ For information, call 875-5990, or visit the website: *www.hisbdc.org/*.

Hawaiʻi Business Research Library (HBRL)

The Hawaiʻi Business Research Library (HBRL) is a specialty center of the Hawaiʻi SBDC that provides statewide research services to businesses, entrepreneurs, and students. A wide variety of customized business research is available, including industry trends, market analysis, and demographics. All these services, plus quick answers and business start-up questions, are provided free of charge. The HBRL publishes the *Maui County Data Book* and also the guide to new entrepreneurs, *Starting a Business in Maui County.*

❦ For appointments, call 875-5990 in advance or email *library@hisbdc.org*

UH Maui College Development Office

UH Maui College seeks private gifts to sustain and advance the College. Gifts assist students with scholarship aid, provide critically needed funds for specific programs including instructional resources and faculty/staff development, and provide the flexibility to plan and build for the future. Private gifts to the College are made through the University of Hawaiʻi Foundation which, through its Maui office, supports the College's fundraising efforts.

❦ For details, call the UH Foundation Office at 808-984-3471.

Degrees and Certificates

Offerings at UH Maui College

UH Maui College offers a variety of curricula in both the liberal arts and in the career & technical disciplines.

The **Liberal Arts** curricula include courses that lead to degrees in the Associate in Arts (AA) and the Associate in Science (AS), as well as the shorter-term Academic Subject Certificate (ASC) subsumed under the AA degree.

Career curricula include career-technical, public service, and business programs that lead to degrees in Bachelor of Applied Science (BAS), Associate in Science (AS), Associate in Applied Science (AAS), and a customized Associate in Technical Studies (ATS) degree using courses from two or more existing approved programs, along with the shorter-term Certificate of Achievement (CA), Certificate of Competence (CO), and Certificate of Professional Development (CPD). For information on the Associate in Technical Studies (ATS), see catalog page 31.

UH MAUI COLLEGE PROGRAMS	CPD	CO	CA	AAS	AS	ASC	AA	BAS
CAREER & TECHNICAL PROGRAMS								
Accounting			√	√				
Administration of Justice		√	√	√				
Agriculture and Natural Resources		√	√	√				
Automotive Technology		√	√	√				
Business Administration		√	√	√				
Business Technology		√	√	√				
Construction Technology	√	√	√	√				
Creative Media			√		√			
Culinary Arts		√	√	√				
Dental Hygiene					√			
Early Childhood Education		√	√		√			
Electronic & Computer Engineering Tech			√		√			
Fashion Technology		√	√	√				
Hospitality & Tourism		√	√	√				
Human Services		√	√		√			
Nursing Career Ladder		√	√		√			
LIBERAL ARTS PROGRAMS								
Liberal Arts						√	√	
Hawaiian Studies						√	√	
Natural Science		√			√			
BACCALAUREATE PROGRAMS								
Applied Business & Information Technology		√						√
Engineering Technology								√
Sustainable Science Management		√						√

Curricula

UH Maui College offers a broad range of curricula from bachelor degrees to one-course certificates in three general areas.

Baccalaureate - Bachelor degrees based on a minimum of 120 credits achievable in four years with full-time attendance. The College offers a Bachelor of Applied Science in three fields.

Liberal Arts - Curricula based on the sciences, humanities, and social sciences. In this category, the College offers several Associate degrees with a minimum of 60 credits, plus numerous short-term certificates.

Career & Technical - Programs that provide students with skills and competencies for gainful employment. In this category, the College offers Associate degrees with a minimum of 60 credits in 17 CTE disciplines, plus many short-term certificates.

This chapter is organized accordingly, reporting for each category the available credentials and their requirements, along with the Program Maps of recommended course sequences.

Collegewide Academic Student Learning Outcomes (CASLOS)

Collegewide Academic Student Learning Outcomes (CASLOs) are a set of core competencies in critical thinking, creativity, oral and written communication, information literacy, and quantitative reasoning that students develop across the curriculum through coursework in each program of study at UH Maui College. As students demonstrate these outcomes, they show readiness to pursue academic, professional, and personal goals within the context of a dynamic, multi-cultural, democratic society. Each program of study at UHMC integrates curriculum that develops these skills.

Students demonstrate CASLO skills appropriate for their degree through coursework or a "capstone" project as a requirement for AA, AS, AAS, or BAS degrees.

Critical Thinking

Critical thinking, an analytical and creative process, is essential to every content area and discipline. It is an integral part of information retrieval and technology, oral communication, quantitative reasoning, and written communication. Students should be able to apply critical reasoning skills to effectively address challenges and solve problems.

Creativity

Students should be able express their ideas through a variety of forms. Students should be able to convey their creative ideas to a variety of audiences and purposes.

Oral Communication

Oral communication is an integral part of every content area and discipline. Students should be able to practice ethical and responsible oral communication appropriate to a variety of audiences and purposes.

Written Communication

Written communication is an integral part of every content area and discipline. Students should be able to write effectively to convey ideas that meet the needs of specific audiences and purposes.

Information Literacy

Information literacy is an integral part of every content area and discipline. Students should be able to access, evaluate, and utilize information effectively, ethically, and responsibly.

Quantitative Reasoning

Quantitative reasoning can have applications in all content areas and disciplines. Students should be able to synthesize and articulate information using appropriate mathematical methods to solve problems and logically address real-life situations.

Baccalaureate

UH Maui College offers three programs of study leading to the Bachelor of Applied Science (BAS) degree. These programs are based upon a minimum of 120 credits, which may be completed in four years with full-time attendance.

The first baccalaureate offered at the College is the Applied Business and Information Technology (ABIT), which received accreditation in 2007. This degree combines curricula from business, information technology, and liberal arts.

✤ For information, call Dr. Debasis Bhattacharya at 984-3619, or visit the website: *www.maui.hawaii.edu/abit/*.

The second BAS degree offered is in Engineering Technology (ENGT), which was approved for implementation beginning Fall 2010. This program provides graduates with the competencies to address local and regional needs for engineering technologists with specialized skills in optics, remote sensing, and related fields.

✤ For information, call Dr. Elisabeth Dubuit at 984-3706.

The third BAS degree offered is in Sustainable Science Management (SSM). This program provides graduates with a core curriculum emphasizing basic and applied sciences related to energy and sustainability, as well as communications and business fundamentals.

✤ For information, call Timothy Botkin at 984-3322.

Program Requirements & Maps

The pages that follow are organized with a description of requirements for the three BAS programs and then followed by the three Liberal Arts programs and then the CTE programs, displaying for each the Program Map that suggests the sequence for taking requirements with full-time enrolment.

Bachelor of Applied Science: Applied Business & Information Technology

The Bachelor of Applied Science (BAS) degree in Applied Business & Information Technology (ABIT) combines curricula from business, information technology, and liberal arts that emphasize entrepreneurship and small-to-medium sized business management.

Only courses numbered 100 and above can be applied toward this degree.

ABIT Admission Requirements

For admission to the UH Maui College ABIT program, students must first meet the UH Maui College admission requirements. Admission to UH Maui College does not guarantee admission to the ABIT program.

ABIT Graduation Requirements

1. **Business Core: 30 credits**
   ACC 201, 202, 300; BLAW 200; BUS 310, 320; ECON 130, 131; MGT 310; and MKT 300.

2. **Information Technology Core: 24-25 credits**
   ICS 101 or BUSN 150, 110 or 169, 111 or 184, 171 or 200, 320, 360, 385, and 418.

3. **General Education: 27 credits**
   COM 459; ENG 100, 209 or 210 or 225, 316; MATH 115; Hawaii Emphasis; Global Multicultural Perspective; HUM 400; PHIL 323; PSY 100 or SOC 100; SP 151 or SP 251 or COM 130 or COM 145.

4. **Co-op Project or Elective: 3 credits**
   A 3-credit BUS 393v cooperative ed course or elective.

ABIT Graduation Requirements *(cont.)*

5. **Capstone Course: 6 credits**
   BUS 495 and 496.

6. **Natural Science: 4 credits**
   Four credits including a lab.

7. **Writing Intensive: 12 credits**
   Minimum of 12 credits of writing intensive courses at the 100-level or higher: at least 3 credits in 100-299 level courses, and at least 6 credits in 300-level or higher.

8. **Minimum of 121 non-repeated qualifying credit hours**
   ABIT majors are required to earn a letter grade *(e.g., A,B,C, etc.)* in all upper division courses required for the ABIT program.

9. **Grade Point Average**
   At least a 2.0 UH Maui College cumulative GPA, as well as a 2.5 GPA in courses required for the ABIT major. Grade C or better is required in all upper division courses applied to the ABIT degree.

10. **Graduation Requirement**
    All lower division requirements (61-63 credits), a minimum of 45 upper division credits, plus 15 elective credits (100-400 level) for a total of 121-123 credits.

    To be awarded the BAS degree, students must complete an Application for Graduation form obtained from Student Services. *See Academic Calendar for deadline.*

11. **Residency Requirement**
    A minimum of 30 credit hours must be taken at UH Maui College and a minimum of 8 upper division courses *(24 credits)* in Business or Information Technology including the Capstone course.

12. **Lower Division Electives: 9 credits**
    Students wishing to pursue graduate studies should consider taking Calculus path as lower division electives.

Applied Business & Information Technology

The Applied Business & Information Technology (ABIT) program, leading to a baccalaureate degree, offers options to students seeking preparation in small to mid-sized business management, information technology, and related or integrated career opportunities. The mission of the program is to prepare graduates to be productive professionals who can make responsible business decisions and use information technology wisely in a changing world. The curriculum emphasizes business and stresses the effective use of information technology. The program also includes a strong interdisciplinary liberal arts program with courses in the humanities, social sciences, English, communication, and mathematics.

Although this degree can be earned in four years taking 15-17 credits per semester, students taking a lighter load will take longer to complete the requirements. Students interested in the ABIT program are encouraged to contact the ABIT counselor, program coordinator, or faculty member about program requirements. *Only courses numbered 100 or above, and taken with a letter grade, may be applied to the ABIT degree; and for upper division courses only those with grade C or better may be applied.*

✤ Contact Program Coordinator, Dr. Debasis Bhattacharya, at 984-3619 or by email at debasisb@hawaii.edu for more information.

Requirements for Certificate of Competence (CO) in Data Science and Machine Learning: 15 credits

BUS 310(3), ICS 173(3), ICS 320(3), ICS 435(3), and MATH 115(3).

Lower division requirements for ABIT Bachelor of Applied Science (BAS) Degree: 61-63 credits

Full-time lower division students would take courses in this sequence:

Freshman Year (Fall)	Credits	Freshman Year (Spring)	Credits
ICS 101 or BUSN 150	3	ECON 130 Principles of Economics: Microeconomics	3
ECON 131 Principles of Economics: Macroeconomics	3	PSY 100 or SOC 100	3
ENG 100 Composition I	3	ENG 209 or ENG 210 or ENG 225	3
Global Multicultural Perspective elective	3	Hawaii Emphasis elective	3
Lower Division elective	3	Lower Division elective	3
	15		15

Sophomore Year (Fall)	Credits	Sophomore Year (Spring)	Credits
ACC 201 Introduction to Financial Accounting	3	ACC 202 Intro to Managerial Accounting	3
ICS 110 Introduction to Computer Programming, or ICS 169 Introduction to Information Security	3	BLAW 200 Legal Environment of Business	3
SP 151 or 251, or COM 130 or 145	3	ICS 111 Introduction to Computer Science, or ICS 184 Introduction to Networking	3-4
MATH 115 Introduction to Statistics & Probability	3	ICS 171 Computer Security, or ICS 200 Web Technology	3
Natural Science elective with lab	4	Lower Division elective	3-4
	16		15-17

Upper division transfers - Completion of 60 college-level credits (junior standing) including 8 courses from this list:

ENG 209 or 210 or 225; ICS 101 or BUSN 150; ACC 201 & 202; ECON 130 & 131; MATH 115; SP151 or SP251 or COM 130 or COM 145.

Upper division requirements for ABIT Bachelor of Applied Science (BAS) Degree: 60 credits

Accounting 300(3)
Business 310(3), 320(3), 495(3), 496(3)
Business 393v or Elective(3)
Communication 459(3)
ICS 320(3), 360(3), 385(3), 418(3)

Management 310(3)
Marketing 300(3)
Philosophy 323(3), and Humanities 400(3)
English 316(3) and Electives(12)

Full-time upper division students would take courses in this sequence:

Junior Year (Fall)	Credits	Junior Year (Spring)	Credits
ACC 300 Intermediate Financial Accounting I	3	BUS 320 Entrepreneurship	3
ICS 320 Introduction to Info Systems & E-Commerce	3	ICS 360 Database Design and Development	3
MGT 310 Principles of Management	3	ICS 385 Web Development and Administration	3
MKT 300 Principles of Marketing	3	ENG 316 Advanced Research Writing	3
Elective	3	Elective	3
	15		15

Senior Year (Fall)	Credits	Senior Year (Spring)	Credits
BUS 310 Statistical Analysis for Business Decisions	3	BUS 393v Cooperative Ed, or Elective	3
BUS 495 ABIT Capstone I	3	BUS 496 ABIT Capstone II	3
ICS 418 Systems Analysis and Design	3	COM 459 Intercultural Communication II	3
HUM 400 Changes & Choices	3	PHIL 323 Professional Ethics	3
Elective	3	Elective	3
	15		15

Tuition and Fees: *A tuition differential exists for upper division courses numbered 300 or higher. See Tuition and Fees section.*

Bachelor of Applied Science: Engineering Technology

The Bachelor of Applied Science (BAS) degree in Engineering Technology (ENGT) provides curriculum in electronics, computers, optics, remote sensing, and other technologies used in industry on Maui, throughout the State of Hawai'i, and worldwide.

ENGT Admission Requirements

For admission to the UH Maui College Engineering Technology program, students must first meet the UH Maui College admission requirements. Admission to UH Maui College does not guarantee admission to the ENGT program.

1. A student may apply for admission as a classified student in the ENGT program upon successful completion of one of the following admission requirements:
   a. Completion of the UH Maui College BAS path for the AS degree in Electronic & Computer Engineering Technology (ECET) with a cumulative GPA of 2.5 or higher in all courses attempted; or
   b. Completion of an Associate in Arts (AA), Associate in Applied Science (AAS), or Associate in Science (AS) from an accredited institution with a cumulative GPA of 2.5 or higher in all courses attempted, and completion (or approved equivalent for) coursework of the BAS path for the Electronic Engineering Technology (ECET) AS degree from an accredited institution.

2. A student may apply for admission as a provisional student in the ENGT program upon successful completion of the following admission requirements:
   a. Completion of 40 or more transferable semester credits from an accredited institution with a cumulative GPA of 2.5 or higher in all courses attempted. Classified status will be assigned with completion of the BAS path for the Electronic and Computer Engineering Technology (ECET) AS degree course requirements (or approved equivalent coursework from an accredited institution).
   b. Approval of ENGT Committee.

ENGT Graduation Requirements

1. **BAS path to ENGT in the ECET program: 60-61 credits**

   Completion of the BAS path of AS requirements in the ECET program (or approved equivalent coursework from an accredited institution).

2. **Engineering Technology Upper Division Coursework: 39 credits**

   ETRO 305, 310, 315, 320, 340, 350, 360, 450, 455, 460 and 470.

3. **Engineering Technology General Education: 19 credits**

   PHYS 219 & 219L, MATH 241, PHIL 301 or 323, ENG 316, HUM 400, and COM 459.

4. **Capstone Course: 6 credits**

   ETRO 497 and 498 are to be taken the last two semesters with approval of the ENGT Committee.

5. **Minimum of 124-125 qualifying credit hours**

   ENGT majors are required to earn a letter grade (e.g., A,B,C, etc.) in all courses required for the ENGT program.

6. **Grade Point Average**

   At least a 2.0 UH Maui College cumulative GPA, as well as a 2.5 GPA in courses required for the ENGT major. Grade C or better is required in all upper division ENGT courses.

7. **Graduation Requirement**

   To be awarded the BAS ENGT degree, students must complete an Application for Graduation form obtained from Student Services. *See Academic Calendar for deadline.*

8. **Residency Requirement**

   A minimum of 30 credit hours must be taken at UH Maui College and a minimum of 8 upper division courses (24 credits) in Engineering Technology including the ENGT Capstone course.

Engineering Technology

The Engineering Technology (ENGT) program, leading to a baccalaureate degree, offers options to students seeking preparation in engineering technology, electronics, optics, and remote sensing. The mission of the program is to prepare graduates to be productive professionals who can make meaningful contributions to industry on Maui and throughout Hawai'i and the world. The curriculum emphasizes engineering technology and stresses the effective use of integrated electro-optical hardware and software systems. The program also includes strong interdisciplinary general education with courses in the humanities, social sciences, communication, mathematics, and English.

While this degree may be earned in four years taking 14-18 credits per semester, students taking fewer credits per semester will take longer to complete the requirements.

The Electronic & Computer Engineering Technology (ECET) AS degree is the required lower division pathway to the Bachelor of Applied Science (BAS) in Engineering Technology (ENGT). Only courses numbered 100 or above, and taken with a letter grade, may be applied to the ENGT degree; for the upper division courses listed here, only those with grade C or better may be applied.

The Engineering Technology program admits students only in the fall semester and in the odd years, (e.g.,Fall 2021).

ꙮ Contact Dr. Elisabeth Dubuit, at 984-3706 or by email at edubuit@hawaii.edu for more information.

Requirements for the ENGT Bachelor of Applied Science (BAS) Degree: 124-125 credits
All ECET program AS degree courses (60-61), plus:

Electronics 305(4), 310(3), 315(3), 320(4), 340(4), 350(3), 360(4), 450(4), 455(4), 460(3), 470(3), 497(3), 498(3)	Communication 459(3)
	Humanities 400(3)
Physics 219/L(2,1)	Mathematics 241(4)
Philosophy 301 or 323(3)	English 316(3)

Full-time upper division students would take courses in this sequence:

Junior Year (Fall)	Credits	Junior Year (Spring)	Credits
ETRO 305 Engineering Computing	4	ETRO 315 Project Management	3
ETRO 310 Applied Robotics	3	ETRO 350 Power Systems	3
ETRO 340 System Integration	4	ETRO 360 Signals and Systems	4
ENG 316 Advanced Research Writing	3	PHIL 301 Ethical Theory or PHIL 323 Professional Ethics	3
MATH 241 Calculus I	4	PHYS 219/L Physics for Engineering Technology and Lab	2,1
	18		16

Senior Year (Fall)	Credits	Senior Year (Spring)	Credits
ETRO 320 Intermediate Optics	4	ETRO 455 Remote Sensing	4
ETRO 450 Signal Processing	4	ETRO 460 Control Systems	3
ETRO 497 Capstone Project I	3	ETRO 470 Intro to Communication Systems	3
HUM 400 Changes & Choices	3	ETRO 498 Capstone Project II	3
	14	COM 459 Intercultural Communication II	3
			16

Tuition and Fees: *A tuition differential exists for upper division courses numbered 300 or higher. See Tuition and Fees section.*

Bachelor of Applied Science: Sustainable Science Management

The BAS in Sustainable Science Management (SSM) comprises a core curriculum in sustainability science, along with foundational sciences and liberal arts. Courses explore sustainability issues in energy, water, community, and others; analyzing the inter-relatedness of topics through systems thinking and dynamics models; monitoring progress through the use of sustainability indicators; and applying experience via internship and capstone.

The BAS degree is granted to students completing the prescribed four-year program. Only courses numbered 100 and above can be applied toward the degree.

SSM Admission Requirements

Students applying for admission to the SSM program must first meet the UH Maui College admission requirements. In order to declare as an SSM major, students must also complete the following:

1. ENG 100 with grade C or better;
2. MATH 103 with grade C or better, or placement at least MATH 135;
3. BUSN 150 or ICS 101, either with grade C or better;
4. SSM 101 with grade C or better.

SSM Lower Division Requirements

Prior to enrolling in upper division (300+ level) SSM courses, students should first complete lower division requirements that may be accomplished in a number of ways.

New Students - Base Program Path

Students starting at UH Maui College follow the SSM Program Map. While this path is unique to the SSM program, it also meets the requirements of Liberal Arts AA degree pathway.

Transfer & Other Non-New Students

1. **All non-new students**
   All transferring and non-new students are required to meet the SSM lower division requirements in order to qualify for upper division coursework in the SSM program:
   a. MATH 115; and MATH 135 or higher; both with grade C or better;
   b. College chemistry with lab (minimum 4 credits) with grade C or better;
   c. Biology with lab (minimum 4 credits) with grade C or better;
   d. SSM 275 or equivalent with grade C or better.
   e. SSM 201 or OCN 201/201L, either with grade C or better;
   f. SSM 101and 202, both with grade C or better.
   g. Minimum 62 credits in 100+ level coursework.
   Note: Students should complete upper division SSM prerequisites early in their program.

2. **UHMC degree graduates**
   Students who have graduated with a UHMC two-year degree in ASNS Natural Science, AA Liberal Arts, or AA Hawaiian Studies, and have applied as an SSM major, may take one SSM upper division course per semester for up to three semesters, as long as enrolled in 1a-g coursework.

3. **Other degree graduates**
   Students holding a two or four year degree from an accredited institution must have: a) cumulative GPA of 2.5 or higher in their degree work, b) at least 40 hours of transferrable credit, and c) met the above 1a-g requirements of 1 in order to take upper division coursework in the SSM program.

4. **Non-degree students**
   Students who have completed 62 or more credits of 100+ coursework at an accredited institution may apply to take SSM upper division coursework. Non-degree students shall have a) substantially met the SSM lower division requirements set forth in the SSM Program Map, b) achieved grade C or better in all SSM program requirements with a cumulative 2.5 GPA on all transferring credits, and c) met all requirements of paragraph 1a-g.

SSM Graduation Requirements

Students must complete the following in order to graduate with a BAS degree in Sustainability Science Management:

1. Meet all lower division requirements in the SSM Program Map or in paragraph 1a-g.

2. Complete all required upper division coursework on the SSM Program Map, with grade C or better in each required course and with a cumulative GPA of 2.5 for all SSM program requirements. Upper division electives may be any SSM upper division course, or other 300-level or higher course as approved by the program coordinator. Not less than 6 credits of upper division elective credits must be 400+ level courses.

3. A minimum of 30 credits shall be taken at UHMC.

4. Complete six credits of capstone courses (SSM 495-496) over not less than two semesters with grade C or better.

5. Complete not less than 15 credits of writing intensive (WI) courses with grade C or better and at least 6 credits shall be in courses of 300-level or higher.

6. All SSM alpha required courses must be taken for a letter grade. A maximum of 6 credits in other coursework may be achieved via Prior Learning Assessment.

7. Complete not less than 124 credit hours of coursework in support of the BAS degree. Only courses numbered 100 and above may apply to this degree requirement.

8. Submission of a completed Application for Graduation from UHMC.

Sustainable Science Management

The Sustainable Science Management (SSM) program, leading to a baccalaureate degree, provides a variety of options to students seeking employment in the rapidly expanding field of sustainability. Coursework covers important contemporary topics including but not limited to energy, ecology, business and management, water and wastewater, agriculture, waste-management, economics, policy, the built environment, and social science; all in the context of case studies in the larger interdisciplinary field of sustainability. Students develop systems thinking and analytical skills, which will enable graduates to apply learned principles to the changing and complex issues of the future. The program is designed to equip students with the fundamental skills necessary to bridge disciplines and to facilitate sustainable solutions and operations for any organization or community.

✋ Contact the program coordinator, Tim Botkin, at 984-3322 or by email at botkin@hawaii.edu for more information.

Full-time lower division students would take this sequence: 64-65 credits

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
SSM 101 Sustainability in a Changing World	3	SSM 275 Basic Energy Production	3
BUSN 150 or ICS 101	3	CHEM 162 and 162L, or GIS 150	4
CHEM 151/151L or CHEM 161/161L	3,1	ECON 130 or 131	3
PSY 100 Survey of Psychology	3	MATH 115	3
ENG 100 Composition I	3	Foundations Global elective [2] - *either FGA or FGC*	3
	16		16

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
SSM 201, or OCN 201 and 201L [1]	3-4	SSM 202 Sustainable Island Communities	3
BIOL 171/171L Intro Biology I and Lab	3,1	BLAW 200, or MATH 203 or 205 → 241 [3]	3
ACC 201 Introduction to Financial Accounting	3	COM 215/PSY 253 Conflict Resolution & Mediation	3
HWST 107 or 207, or HIST 284	3	ZOOL 200/L Marine Biology and Lab	3,1
MATH 135 Pre-Calculus: Elementary Functions	3	ENG 210 Research Writing	3
	16-17		16

Sustainable Technology (CO): 11-12 credits - *See curriculum on Construction Technology program map.*

Upper division requirements for SSM Bachelor of Applied Science (BAS) Degree: 60 credits

Sustainable Science Management 301(3), 302(3), 375(3), 392v(3), 401(3), 402(3), 403(3), 422(3), 495(3), 496(3)
Management 310(3)
Philosophy 323(3)
Aqua 362/362L(2,1)
Biology 424/424L(2,1)
Humanities 400(3)

Communication 459(3)
English 316(3)
Upper division program electives(3,3,3)[4]
   Any upper division SSM course not already required;
   AQUA 466/466L; OCN 351/351L; or other elective approved by
   program coordinator

Full-time upper division students would take courses in this sequence:

Junior Year (Fall)	Credits	Junior Year (Spring)	Credits
SSM 302 Environmental Health	3	SSM 301 Sustainable Assessments and Indicators	3
SSM 375 Renewable Energy Conversions, or elective	3	SSM 392v SSM Internship	3
AQUA 362/362L Aquaculture and Mariculture and Lab	2,1	SSM 402 Water Resources Management	3
MGT 310 Principles of Management	3	PHIL 323 Professional Ethics	3
ENG 316 Advanced Research Writing	3	Upper division program elective[4]	3
	15		15

Senior Year (Fall)	Credits	Senior Year (Spring)	Credits
SSM 422 Sustainable Systems Thinking	3	SSM 401 Environmental Law, Policy, and Justice	3
SSM 495 SSM Capstone I	3	SSM 403 Renewable Energy Integration, or elective	3
HUM 400 Changes & Choices	3	SSM 496 SSM Capstone II	3
Upper division program elective[4]	3	BIOL 424/424L Protected Species Management and Lab	2,1
Upper division program elective[4]	3	COM 459 Intercultural Communication II	3
	15		15

Tuition and Fees: *A tuition differential exists for upper division courses numbered 300 or higher. See Tuition and Fees section.*

[1]*Note: OCN 201 and 201L are required for students focusing on marine studies in their upper division coursework.*
[2]*Note: Foundations Global Multicultural Perspectives: Choose one course (3 credits) from either of two groups (FGA, FGC).*
[3]*Note: Calculus is a prerequisite for SSM 403 and other upper level courses.*
[4]*Note: At least 6 credits of electives shall be 400-level courses. Select upper division eleective credits to achieve at least 124 credits total for the degree, not less than 60 of which must be in upper division.*

The Liberal Arts

UHMC Liberal Arts Programs

UH Maui College offers several curricula based upon Liberal Arts courses. These curricula include two Associate in Arts degrees - in Liberal Arts and in Hawaiian Studies - and an Associate in Science degree in Natural Science with four concentrations.

**Quantitative Reasoning (FQ) Requirement: 3 credits
Important! Quantitative Reasoning (FQ) replaces Symbolic Reasoning (FS) as a General Education requirement for the three UHMC Liberal Arts programs, effective Fall 2018. To ensure there is adequate time for students who entered the UH System prior to Fall 2018 to complete their FS requirements, FS courses will be offered through Summer 2020 at UHMC and at the other UH community colleges. Students entering the UH System in Fall 2018 and beyond may select courses with the FQ designation.

Students who entered the UH System prior to Fall 2018 and have been continuously enrolled should refer to their original catalog year requirements. Students should contact their designated School/College academic or faculty advisor for more information.
The primary goal of FQ courses is to develop mathematical reasoning skills at the college level. Students apply mathematical concepts to the interpretation and analysis of quantifiable information in order to solve a wide range of problems arising in pure and applied research in specific disciplines, professional settings, and/or daily life.

Associate in Arts (AA) Degree in Liberal Arts

The Associate in Arts degree in Liberal Arts offers students a Liberal Arts general education degree and also prepares students for transfer to a baccalaureate degree program at a 4-year college or university. The AA degree in Liberal Arts requires 60 credits in courses numbered 100 or higher. The curriculum instills foundational skills and a broad scope of knowledge that fosters academic success in upper division coursework, effective citizenship, and an appreciation for lifelong learning. Special emphasis on global and Hawai'i perspectives encourages respect and appreciation of cultural diversity. Opportunities to apply learning through service to the community are integrated throughout the curriculum.

Name: Last, First, Middle Initial: *UH ID Number:*

GRAUATION REQUIREMENTS *Students planning to transfer should consult an academic counselor*

CREDITS

❏	Minimum Applicable: 60 credits, 100-level or higher

GRADES

❏	Minimum Cumulative GPA: 2.0

RESIDENCY

❏	Minimum UHMC: 12 credits *May be waived for cause or credit-by-exam with Vice Chancellor of Academic Affairs approval.*

WRITING INTENSIVE (WI): Two courses

❏	1 _____
❏	2 _____

Hawai'i Emphasis (HI): One course from this list.

❏	**AG** 253, 265; **ANTH** 165; **BOT** 105/**HWST** 211; **BIOL** 105, 200; **ENG** 257E; **GG** 103; **HAW** 101, 102, 104 (former **HAW** 100), 201, 202, 221, 261; **HIST** 284; **HWST** 100BCD, 107, 111, 132, 205A, 205E, 205I, 207, 213, 222, 231, 262, 270, 286, 291; **HWST** 176/**MUS** 176; **MUS** 114H; **PACS** 108; **POLS** 180. *Note: Topics courses offered in HAW or HWST will fulfill this requirement. For UH Mānoa or UH West O'ahu transfer, select either **BOT** 105/**HWST** 211; **HWST** 107; or **PACS** 108 to meet HAP requirement. For UH Hilo transfer, check with an academic counselor.*					

Oral Communication in English: *Choose one course from this list.*

❏	**BUS/COM** 130, **COM** 145, 210, **COM** 215/**PSY** 253, **COM** 353/**PSY** 353, **COM** 459; (**DRAM -> THEA**) 221, 222; **SP** 151, 251. *The UHMC Oral Communication requirement does not satisfy the UH Mānoa Oral Communication requirement. Selected courses may satisfy the UH West O'ahu Oral Communication requirement. Check with an academic counselor.*					

FOUNDATIONS REQUIREMENTS - *Course filling a Foundations category may not be used elsewhere.*

English Communication: 3 credits	Course	Credits	Grade	Semester	Year
FW	**ENG** 100 - Written Communication					

Global Multicultural Perspectives: **6 credits** - *Choose two courses from different groups.*	Course	Credits	Grade	Semester	Year
FGA	Before 1500 CE: **ANTH** 151; **HIST** 151					
FGB	Since 1500 CE: **ANTH** 152; **HIST** 152; **GEOG** 102, **SSM** 101					
FGC	Pre-history to present: **MUS** 107; **REL** 150					

Symbolic Reasoning: **3 credits** - *Choose one course.* ****FS requirement discontinued Fall 2018; courses offered as FS through Summer 2020 only.*
FS	**MATH** 100, 103, 112, 115, 119, 135, 140, 203, 241, 242, 243, 244; **PHIL** 110

Quantitative Reasoning: **3 credits** - *Choose one course.* ****New FQ requirement effective Fall 2018*	Course	Credits	Grade	Semester	Year
FQ	**MATH** 100, 103, 112, 115, 119, 135, 140, 203, 241, 242, 243, 244					

*When a course alpha or number was changed recently, the obsolete info is listed first within parentheses followed by the new revised info after the arrow.

DIVERSIFICATION REQUIREMENTS					
Arts, Humanities, Literatures: 6 credits - *Choose two courses from different groups.*	Course	Credits	Grade	Semester	Year
DA **Diversification Arts: ART** 101, 104, 105, 107, 107D, 113, 115, 123BCD, 223, 243, 244, 263, 264; **ART** 161/**ICS** 161, **ART** 205/**ICS** 205, **ART** 218/**ICS** 261, **ART** 221/**ICS** 214; **CM** 105, 119, 120, 123, 125. 152, 175, 180, 220, 225, 252, 285; **COM/BUS** 130; (**DRAM -> THEA** 101, 221, 222); **ENG** 104, 204A, 204B, 204C; **HAW** 104; **HWST** 205A, 205E, 205I, 222; **MUS** 108, 114, 114H, 121B, 121C, 121D, 121F, 121G, 121Z, 122B, 122C, 122D, 122G, 122Z, 132, 180, 203, 221C, 253, 273; **SP** 151, 251; **TCOM** 261.					
DH **Diversification Humanities: ANTH** 235/**HIST** 288; **ART** 270; **CM** 139, 144, 146, 148; **HIST** 241, 242, 253, 281, 282, 284; **HUM** 100, 400; **HWST** 100BCD, 107, 111, 132, 207, 213, 231, 262, 270, 286, 291; **HWST** 176/**MUS** 176; **LING** 102; **MUS** 106, 167, 271, 272; **PHIL** 100, 102, 109, 301, 323; **SPAN** 180v.					
DL **Diversification Literatures: ENG** 250, 251, 252, 254, 255, 257, 257E, 316; **FIL** 261; **HAW** 261.					
Natural Sciences: 7 credits - *Choose one Biological, one Physical, and one corresponding lab.*	Course	Credits	Grade	Semester	Year
DB **Diversification Biological: AG** 200, 253, 265; **ANTH** 215; **AQUA** 362, 466; **BIOL** 100, 105, 124, 151, 171, 172, 200, 282, 331, 424; **BIOL** 101/**SCI** 121; **BIOL** 102/**BOT** 101; **BIOL** 103/**ZOOL** 101; **FSHN** 185, 285; **MICR** 130; **PHRM** 203; **PHYL** 141, 142; **SSM** 302, 384; **ZOOL** 200.					
DP **Diversification Physical: ASTR** 110; **BIOC** 241 →141 , 244 → 142; **CHEM** 100, 151, 161, 162, 272, 273; **EE** 160, 211; **GEOG** 101; **GG** 101, 103; **OCN** 201, 351*; **PHYS** 105, 151, 152, 170, 219, 272; **SCI** 114, 122; **SSM** 201, 202, 275, 375, 402, 403.					
DY **Diversification Lab: AG** 200L, 253L, 265L; **ANTH** 210L; **AQUA** 362L, 466L; **ASTR** 110L; **BIOL** 105L, 124L, 152L*, 171L, 172L, 200L, 331L,424L; **BIOL** 101L/**SCI** 121L; **BIOL** 102L/**BOT** 101L; **BIO** 103L/**ZOOL** 101L; **BOT** 105L/**HWST** 211L; **CHEM** 100L, 151L, 161L, 162L, 272L, 273L; **GEOG** 101L; **GG** 101L; **MICR** 140; **OCN** 201L, 351L*; (**ZOOL** →**PHYL** 141L, 142L;) **PHYS** 105L, 151L, 152L, 170L, 219L, 272L; **SCI** 122L, 165L, 265L295V; **ZOOL** 200L. *If a 3-credit course taken includes a lab, additional credits may be needed to meet the 60-credit AA requirement. A 4-credit course may include a lab - check catalog.*					
Social Sciences: 6 credits - *Choose two courses from different disciplines.*	Course	Credits	Grade	Semester	Year
DS **Diversification Social Sciences: ANTH** 150, 165, 200, 210, 225, 281; **BOT** 105/**HWST** 211; **COM** 145, 210, 459; **COM** 215/**PSY** 253; **COM** 353/**PSY** 353; **CM** 147; **ECON** 120, 130, 131; **HDFS** 230; **HSER** 240; **PACS** 108; **POLS** 110, 180; **PSY** 100, 170, 202, 212, 225, 240, 250, 260, 352; **SOC** 100, 215, 218, 231, 251; **SSM** 301, 401.					
1.					
2.					
ELECTIVES: *To meet 60-credit minimum of 100-level or higher coursework, and other graduation requirements not satisfied previously.**	Course	Credits	Grade	Semester	Year
Hawaiian or Second Language recommended; may be required for a Bachelor degree. Consult with academic counselor or program coordinator.					
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
Interdisciplinary Studies courses do apply. These maximums are applied: 9 credits Cooperative Education and Work Practicum; 30 credits CR grade.					

Hawaiian Studies

The Associate in Arts degree in Hawaiian Studies is designed to focus on Hawaiian Studies and Hawaiian Language coursework while building a broad foundation in the liberal arts.

Graduates have a wide range of four-year degree options: students may transfer into Hawaiian studies, Hawaiian language, Education, Science, Technology, Social Work, Nursing, and many more areas.

Associate in Arts (AA) Degree in Hawaiian Studies

Name: Last, First, Middle Initial			*UH ID Number*		

GRADUATION REQUIREMENTS

CREDITS

❏ Minimum Applicable: 60 credits, 100-level or higher

GRADES

❏ Minimum Cumulative GPA: 2.0

RESIDENCY

❏ Minimum UHMC: 12 credits

WRITING INTENSIVE (WI): Two courses

❏ 1_____

❏ 2_____

HAWAIIAN STUDIES CORE: 11 credits		Course	Credits	Grade	Semester	Year
	HAW 101					
	HAW 102					
n/a	**HAW** 107 *(Fulfilled as Arts & Humanities DH requirement)*					
	HWST 270					

FOUNDATIONS GENERAL EDUCATION REQUIREMENTS: 32-34 credits						
English Communication: 3 credits		Course	Credits	Grade	Semester	Year
FW	**ENG** 100 Written Communication					
Global Multicultural Perspectives: 6 credits - *two courses from different groups.*		Course	Credits	Grade	Semester	Year
FGA	Before 1500 CE: **ANTH** 151; **HIST** 151.					
FGB	Since 1500 CE: **ANTH** 152; **HIST** 152; **GEOG** 102; **SSM** 101.					
FGC	Pre-history to present: **MUS** 107; **REL** 150.					
Symbolic Reasoning: 3 credits		Course	Credits	Grade	Semester	Year
FO	**BUS/COM** 130, **COM** 145, 210; (**DRAM -> THEA**) 221, 222; **SP** 151, 251.					
Oral Communication in English: 3 credits - *Choose one course.* *FS requirement replaced by FQ in Fall 2018; courses offered as FS through Summer 2020 only.*						
FS	**MATH** 100, 103, 112, 115, 119, 135, 140, 203, 241, 242, 243, 244; **PHIL** 110					
Quantitative Reasoning: 3 credits - *Choose one course. FQ requirement effective Fall 2018**		Course	Credits	Grade	Semester	Year
FQ	**MATH** 100, 103, 112, 115, 119, 135, 140, 203, 241, 242, 243, 244					

**Quantitative Reasoning (FQ) Requirement: 3 credits
Important! Quantitative Reasoning (FQ) replaces Symbolic Reasoning (FS) as a General Education requirement in the UHMC three Liberal Arts programs, effective Fall 2018.
To ensure there is adequate time for students who entered the UH System prior to Fall 2018 to complete their FS requirements, FS courses will be offered through Summer 2020 at UHMC and at the other UH community colleges. Students entering the UH System in Fall 2018 and beyond may select courses with the FQ designation.

Students who entered the UH System prior to Fall 2018 and have been continuously enrolled should refer to their original catalog year requirements. Students should contact their designated School/College academic or faculty advisor for more information.
The primary goal of FQ courses is to develop mathematical reasoning skills at the college level. Students apply mathematical concepts to the interpretation and analysis of quantifiable information in order to solve a wide range of problems arising in pure and applied research in specific disciplines, professional settings, and/or daily life.

DIVERSIFICATION REQUIREMENTS					
Arts and Humanities: 5-6 credits - *two courses from different groups.*	Course	Credits	Grade	Semester	Year
DA Diversification Arts: HAW 104; HWST 205A, HWST 205E, HWST 205I; MUS 114H.					
DH Diversification Humanities: HWST 107 required.					
Natural Science: 6-7 credits - *one course from Biological (DB), one Physical (DP), and one corresponding laboratory (DY).*	Course	Credits	Grade	Semester	Year
DB **Diversification Biological: AG** 200, 253, 265; **ANTH** 215; **AQUA** 362, 466; **BIOL** 100, 105, 124, 151, 171, 172, 200, 282, 331, 424; **BIOL** 101/**SCI** 121; **BIOL** 102/**BOT** 101; **BIOL** 103/**ZOOL** 101; **FSHN** 185, 285; **MICR** 130; **PHRM** 203; **PHYL** 141, 142; **SSM** 302 ; **ZOOL** 200.					
DP **Diversification Physical: ASTR** 110; **BIOC** 241 →141 , 244 → 142; **CHEM** 100, 151, 161, 162, 272, 273; **EE** 160, 211; **GEOG** 101; **GG** 101, 103; **OCN** 201, 351*; **PHYS** 105, 151, 152, 170, 219, 272; **SCI** 114 , 122; **SSM** 201, 202, 275, 375, 402, 403.					
DY **Diversification Lab: AG** 200L, 253L, 265L; **ANTH** 210L; **AQUA** 362L, 466L; **ASTR** 110L; **BIOL** 105L, 124L, 152L*, 171L, 172L, 200L, 424L; **BIOL** 101L/**SCI** 121L/; **BIOL** 102L/**BOT** 101L; **BIOL** 103L/**ZOOL** 101L; **BOT** 105L/**HWST** 211L; **CHEM** 100L, 151L, 161L, 162L, 272L, 273L; **GEOG** 101L; **GG** 101L; **MICR** 140; **OCN** 201L, 351L*; (**ZOOL**→**PHYL** 141L, 142L); **PHYS** 105L, 151L, 152L, 170L, 219L, 272L; **SCI** 122L, 165L, 265L, 295V; **ZOOL** 200L. *If a 3-credit course taken includes a lab, additional 100-level or higher credits may be needed to meet the 60-credit AA requirement. A 4-credit course may include a lab.*					
Social Science: 6 credits - *two courses from different disciplines.*	Course	Credits	Grade	Semester	Year
DS **Diversification Social Science: BOT** 105/**HWST** 211.					
DS **Diversification Social Science: ANTH** 150, 165, 200, 210, 225, 281; **CM** 147; **COM** 145, 210, 459; **COM** 215/**PSY** 253; **COM/PSY** 353; **ECON** 120, 130, 131; **HDFS** 230; **HSER** 240; **PACS** 108; **POLS** 110, 180; **PSY** 100, 170, 202, 212, 225, 240, 250, 260, 352; **SOC** 100, 215, 218, 231, 251; **SSM** 301, 401.					
ELECTIVES: *Additional credits to meet 60-credit AA requirement. A minimum of three **HAW** or **HWST** courses are required at the 200-level or higher. Other approved electives: any **HAW** or **HWST** 100-level or higher, **ANTH** 235/**HIST** 288, **HIST** 284, or **POLS** 180.*	Course	Credits	Grade	Semester	Year
1 **HAW/HWST** 200-level or higher required (**HAW** 201 *recommended*)					
2 **HAW/HWST** 200-level or higher required (**HAW** 202 *recommended*)					
3 **HAW/HWST** 200-level or higher required					
4 Approved Elective (if needed)					
5 Approved Elective (if needed)					
6 Approved Elective (if needed)					
7 Approved Elective (if needed)					
8 Approved Elective (if needed)					

Associate in Science in Natural Science (ASNS)

Concentrations: Biological Science | Physical Science | Engineering | Information & Communication Technology

The Associate in Science degree in Natural Science (ASNS) program provides a comprehensive background in science and math designed specifically for students who plan to pursue baccalaureate studies in science, technology, engineering, and mathematics (STEM), or who plan to continue with professional studies, such as pre-pharmacy, pre-medical, or pre-dental programs. The ASNS curriculum provides a seamless pathway for students intending to transfer into a STEM degree at a four-year institution, in particular within the UH System where students may take advantage of transfer agreements with UH Manoa, UH Hilo, and UH West O'ahu. Students may choose to concentrate in biological science, physical science, engineering, or information and communication technology.

Students who plan to transfer should consult an academic advisor on best course selection. For UH Manoa or UH West O'ahu transfer, consider BOT 105, HWST 107, or PACS 108 to meet Hawaiian, Asian, and Pacific Issues (HAP) requirement.

✋ Contact the program coordinator, Dr. Buddhi Rai, at 808-984-3207, or by email at buddhi.rai@hawaii.edu for more information.

Requirements for Certificate of Competence (CO): *Minimum C grade or better required in each course taken for CO.*

The Science Laboratory Technician program prepares students with the skills and training to work independently in a laboratory setting and acquire entry-level laboratory technician positions. Student will gain knowledge of general laboratory techniques, learn how to operate laboratory equipment for nutrients and microbiology analyses, collect, prepare and analyze samples, as well as record, report and interpret data. This program will focus on laboratory training as it relates to environmental science, water quality and biotechnology.

This certificate requires the completion of the following prerequisite courses: ENG 100, MATH 103, BIOL 101/101L, CHEM 151/151L or CHEM 161/161L, all with grade C or better.

Science Laboratory Technician: 4 credits   BIOL 152L(2), SCI 165L(1), and SCI 265L(1)2

GRADUATION REQUIREMENTS

❏ Minimum Applicable: 60 credits, 100-level or higher.
❏ Minimum Cumulative GPA: 2.0.
❏ Minimum UHMC: 12 credits must be earned at UHMC toward ASNS.
❏ Writing Intensive: Two (WI) Writing Intensive courses are required. *(Note: A third WI is suggested for UH Manoa transfer).*

CORE - FOUNDATION & DIVERSIFICATION REQUIREMENTS: 27 CREDITS	
**Applies to all concentrations: Biological Science	Physical Science	Engineering	Information & Communication Technology**	
FOUNDATION REQUIREMENTS: 13 credits	
FW	**Written Communication: 3 credits** **ENG 100** Composition I : *Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.*
FS	**Symbolic Reasoning: 4 credits** **MATH 241** Calculus I : *Prereq: MATH 119 or 140, either with grade C or better or placement at MATH 241 and ENG 100 with grade C or better (or concurrent), or consent.*
FGA FGB FGC	**Global Multicultural Perspectives: 6 credits** - *Choose two courses from different groups:* Before 1500 CE: **ANTH** 151; **HIST 151** Since 1500 CE: **ANTH** 152; **HIST 152; GEOG 102; SSM 101** Pre-history to Present: **MUS 107; REL 150**
DIVERSIFICATION REQUIREMENTS: 14 credits	
Arts, Humanities, Literatures: 3 credits minimum	
DA DH DL	**Diversification Arts: ART** 101, 104, 105, 107, 107D, 113, 115, 123BCD, 223, 243, 244, 263, 264; **ART/ICS** 161, **ART/ICS** 205, **ART** 218/**ICS** 261, **ART** 221/**ICS** 214; **BUS/COM** 130; **CM** 105, 119, 120, 123, 125, 152, 175, 180, 220, 225, 252, 285; **ENG** 104, 204A, 204B, 204C; **HAW** 104; **HWST** 205A/E/I, 222; **MUS** 108, 114, 114H, 121B/C/D/F/G/Z, 122B/C/D/Z, 132, 180, 203, 221C, 253, 273; **SP** 151, 251; (**DRAM** > **THEA** 101, 221, 222); **TCOM** 261. **Diversification Humanities: ANTH** 235/**HIST** 288; **ART** 270, **CM** 139, 144. 146, 148; **HIST** 241, 242, 253, 281, 282, 284; **HUM** 100, 400; **HWST** 100BCD, 107, 111, 132, 207, 213, 231, 262, 270, 286, 291; **HWST/ MUS** 176; **LING** 102; **MUS** 106, 167, 271, 272; **PHIL** 100, 102, 109, 301, 323; **SPAN** 180v. **Diversification Literatures: ENG** 250, 251, 252, 254, 255, 257, 257E, 316; **FIL** 261; **HAW** 261.
Social Sciences: 3 credits minimum	
DS	**Diversification Social Sciences: ANTH** 150, 165, 200, 210, 225, 281; **BOT** 105/**HWST** 211; **CM** 147; **COM** 145, 210, 459; **COM** 215/**PSY** 253, **COM/PSY** 353; **ECON** 120, 130, 131; **HDFS** 230; **PACS** 108; **POLS** 110, 180; **PSY** 100, 170, 202, 212, 225, 240, 250, 260, 352; **SOC** 100, 215, 218, 231, 251; **SSM** 301, 401.
Natural Sciences: 8 credits minimum	
DP	**CHEM 161**(3) - General Chemistry I: *Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 103 with grade C or better (or concurrent) or placement at least MATH 135, or consent. Coreq: CHEM 161L.*
DY	**CHEM 161L**(1) - General Chemistry I Lab: *Coreq: CHEM 161, or consent.*
DP	**CHEM 162**(3) - General Chemistry II: *Prereq: CHEM 161 and at least MATH 135, or consent. Coreq: CHEM 162L.*
DY	**CHEM 162L**(1) - General Chemistry II Lab: *Coreq: CHEM 162, or consent.*

CONCENTRATION REQUIREMENTS: Minimum 33 credits
Applies to specific concentration

BIOLOGICAL SCIENCE

Biological Science Requirements: 16 credits

- ❏ **BIOL 171**(3) - Introductory Biology I: *Prereq or coreq: CHEM 151 or 161, or consent. Coreq: BIOL 171L.*
- ❏ **BIOL 171L**(1) - Introductory Biology I Lab: *Prereq or coreq: CHEM 151 or 161, or consent. Coreq: BIOL 171, or consent.*
- ❏ **BIOL 172**(3) - Introductory Biology II: *Prereq: BIOL 171, or consent.*
- ❏ **BIOL 172L**(1) - Introductory Biology II Lab: *Prereq: BIOL 171, 171L, and 172(or concurrent), or consent.*
- ❏ **PHYS 151/L**(3,1) - College Physics I: *Prereq: MATH 140 or placement at least MATH 241* or **PHYS 170/L**(4,1)-General Physics I: *Prereq: MATH 241 (or concurrent).*
- ❏ **PHYS 152/L**(3,1) - College Physics II: *Prereq: PHYS 151* or **PHYS 272**(4) General Physics II: *Prereq: PHYS 170 with grade C or better, and MATH 242 (or concurrent).*

Concentration Electives: 17+ credits - *to meet 60-cr minimum 100-level or higher coursework and other graduation requirements not yet satisfied.*

- ❏ **AG** 122(3), 174(3), 200/L(3,1), 253/L(3,1), 265/L(3,1); **ANTH** 210(3), 210L(1), 215(3); **AQUA** 362/L(2,1), 466/L(2,1); **ASTR** 110(3), 110L(1); **BIOC** 241 → 142(3), 244
- ❏ → 142(3); **BIOL** 100(3), 105/L(3,1), 124/L(3,1), 151(3), 152L(2), 200/L(3,1), 282(3), 331/L(3,1), 424/L(2,1); **BIOL** 101/L/**SCI** 121/L(3,1); **BIOL** 102/L/**BOT** 101/L(3,1);
- ❏ **BIOL** 103/L/**ZOOL** 101/L(3,1); **CHEM** 272/L(3,2), 273/L(3,2); **FSHN** 185(3), 285(3); **GEOG** 101/L(3,1); **GG** 101/L(3,1), 103(3); **GIS/ICS** 150(4), 180(4); **ICS** 110(3),
- ❏ 111(3); **MATH** 103(3), 115(3), 135(3), 140(3), 242(4)*, 243(3)*, 244(3)*; **MICR** 130(3), 140(2); **OCN** 201/L(3,1); **PHRM** 203(3); (**ZOOL→PHYL** 141/L(3,1) , 142/L
- ❏ (3,1)); **PHYS** 170/L(4,1), 272/L((3,1); **SCI** 114(3), 122/L(3,1) 165L(1), 265L(1); **SSM** 101(3), 201(3), 202(3), 275(3), 302(3), 375(3), 384(3), 402(3); **ZOOL** 200/L(3,1); any course listed under the Diversification (DA, DH, DL, DS) designations.   **Recommended.*

PHYSICAL SCIENCE

Physical Science Requirements: 13 credits

- ❏ **MATH 242**(4) - Calculus II: *Prereq: MATH 241 with grade C or better and ENG 100 with grade C or better (or concurrent), or consent.*
- ❏ **PHYS 170**/L(4,1) - General Physics I: *Prereq: MATH 241 (or concurrent).*
- ❏ **PHYS 272/L**(3,1) - General Physics II: *Prereq: PHYS 170 and 170L with grade C or better, and MATH 242 (or concurrent).*

Biological Elective: 3 credits minimum

- ❏ **Diversification Biological (DB) - AG** 200,/L(3,1) 253/L(3,1), 265/L(3,1); **ANTH** 215; **AQUA** 362/L(2,1), 466/L(2,1); **BIOL** 100(3), 105/L(3,1), 124/L(3,1), 151(3), 152/L(2,1), 171/L(3,1), 172/L(3,1), 200/L(3,1), 282, 331/L(3,1), 424/L (2,1); **BIOL** 101/**SCI** 121(4); **BIOL** 102L/**BOT** 101/L(3,1); **BIOL** 103/L/**ZOOL** 101/L(3,1); **FSHN** 185, 285; **MICR** 130; **PHRM** 203; (**ZOOL→PHYL** 141/L(3,1), 142, **ZOOL** 200/L(3,1)

Concentration Electives: 17+ credits - *to meet 60-cr. minimum 100-level or higher coursework and other graduation requirements not yet satisfied.*

- ❏ **AG** 122(3), 174(3), 200/L(3,1), 253/L(3,1), 265/L(3,1); **ANTH** 210(3), 210L(1), 215(3); **AQUA** 362/L(2,1), 466/L(2,1); **ASTR** 110(3), 110L(1); **BIOC** 241 →141(3) , 244
- ❏ → 142(3); **BIOL** 100(3), 105/L(3,1), 124/L(3,1), 151(3), 152(3), 171/L(3,1), 172/L(3,1), 200(4), 282(3), 331/L(3,1), 424/L(2,1); **BIOL** 101/L/**SCI** 121/L(3,1); **BIOL** 102/L/
- ❏ **BOT** 101/L(3,1); **BIOL** 103/L /**ZOOL** 101/L(3,1); **CHEM** 272/L(3,2), 273/L(3,2); **FSHN** 185(3), 285(3); **GEOG** 101/L(3,1); **GG** 101/L(3,1), 103(3); **GIS/ICS** 150(4), 180(4);
- ❏ **ICS** 110(3), 111(3); **MATH** 103(3), 115(3), 135(3), 140(3), 243(3)*, 244(3)*; **MICR** 130(3), 140(2); **OCN** 201/L(3,1); **PHRM** 203(3); (**ZOOL→PHYL** 141/L(3,1) , 142/L
- ❏ (3,1)); **PHYS** 151/L(3,1), 152/L(3,1); **SCI** 114(3), 122/L(3,1), 165L(1), 265L(1); **SSM** 101(3), 201(3), 202(3), 275(3), 302(3), 375(3), 384(3), 402(3); **ZOOL** 200/L(3,1); any course listed under the Diversification (DA, DH, DL, DS) designations.   **Recommended.*

ENGINEERING

Engineering Requirements: 27 credits

- ❏ **EE 160**(4) - Programming for Engineers: *Prereq: MATH 140 (or concurrent), or consent.*
- ❏ **MATH 242**(4) - Calculus II: *Prereq: MATH 241 with grade C or better, and ENG 100 with grade C or better (or concurrent), or consent.*
- ❏ **PHYS 170/L**(4,1) - General Physics I: *Prereq: MATH 241 (or concurrent).*
- ❏ **PHYS 272/L**(3,1) - General Physics II: *Prereq: PHYS 170 and 170L with grade C or better, and MATH 242 (or concurrent).*
- ❏ **MATH 243** (3) - Calculus III: *Prereq: MATH 242 with grade C or better, or consent.*
- ❏ **MATH 244** (3) - Calculus IV: *Prereq: MATH 243 with grade C or better, and ENG 100 with grade C or better (or concurrent), or consent.*
- ❏ **EE 211**(4) - Basic Circuit Analysis I: *Prereq: MATH 243 and PHYS 272, both with grade C or better (or concurrent), or consent.*

Concentration Electives: 6+ credits - *to meet 60-credit minimum 100-level or higher coursework and other graduation requirements not yet satisfied.*

- ❏ **AG** 122(3), 174(3), 200/L(3,1), 253/L(3,1), 265/L(3,1); **ANTH** 210(3), 210L(1), 215(3); **AQUA** 362/L(2,1), 466/L(2,1); **ASTR** 110(3), 110L(1); **BIOC** 241→141(3) , 244
- ❏ → 142(3); **BIOL** 100(3), 105/L(3,1), 124/L(3,1), 151(3), 152/L(2,1), 171/L(3,1), 172/L(3,1), 200/L(3,1), 282(3), 331/L(3,1), 424/L(2,1); **BIOL** 101/L/**SCI** 121/L (3,1);
- ❏ **BIOL** 102/L/**BOT** 101/L(3,1); **BIOL** 103/L/**ZOOL** 101(/L(1,3); **CHEM** 272/L(3,2), 273/L(3,2); **FSHN** 185(3), 285(3); **GEOG** 101/L(3,1); **GG** 101/L(3,1), 103(3); **GIS/ICS** 150(4), 180(4); **ICS** 110(3), 111(3); **MATH** 103(3), 115(3), 135(3), 140(3), 243(3)*, 244(3)*; **MICR** 130(3), 140(2); **OCN** 201/L(3,1); **PHRM** 203(3); (**ZOOL→PHYL** 141/L(3,1) , 142/L (3,1)); **PHYS** 151/L(3,1), 152/L3,1); **SCI** 114(3), 122/L(3,1), 165L(1), 265L(1); **SSM** 101(3), 201(3), 202(3), 275(3), 302(3), 375(3), 384(3), 402(3); **ZOOL** 200/L(3,1); any course listed under the Diversification (DA, DH, DL, DS) designations.   **Recommended.*   *Continued on next page . . .*

Associate in Science in Natural Science (ASNS) . . . *continued from preceding page*

INFORMATION & COMMUNICATION TECHNOLOGY

Information & Communication Technology Requirements: 17 credits

- ❏ **ICS 111**(4) - Introduction to Computer Science I: *Prereq: ICS 110 with grade C or better, and at least MATH 82 with grade C or better, or placement at least MATH 103, and ENG 19 with grade C or better, or placement at least ENG 22, or consent.*
- ❏ **ICS 141**(3) - Discrete Math for Computer Science: *Prereq: MATH 103 with grade C or better, or consent.*
- ❏ **ICS 211**(3) - Introduction to Computer Science II: *Prereq: ICS 111 with grade C or better, or consent. Recommended MATH 135.*
- ❏ **ICS 212**(3) - Program Structure: *Prereq: ICS 211 with grade C or better, or consent.*
- ❏ **ICS 241**(3) - Discrete Math for Computer Science II: *Prereq: ICS 141 with grade C or better, or consent.*

Biological Science Elective: 3 credits minimum

- ❏ **Diversification Biological (DB) - AG** 200/L(3,1), 253, 265L(3,1); **ANTH** 215(3); **AQUA** 362/L(2,1); **BIOL** 100(3), 105/L(3,1), 124/L(3,1), 151(3), 152L(2), 171/L(3,1), 172/L(3,1), 200/L(3,1), 282(3), 331/L(3,1), 424/L(2,1); **BIOL** 101/L/**SCI** 121/L(3,1); **BIOL** 102/L/**BOT** 101/L(3,1); **BIOL** 103/L/**ZOOL** 101/L(3,1); **FSHN** 185(3), 285(3); **MICR** 130(3); **PHRM** 203(3); (**ZOOL→PHYL** 141/L(3,1), 142/L(3,1));**ZOOL** 200/L(3,1).

Concentration Electives: 12 credits - *to meet 60-credit minimum 100-level or higher coursework and other graduation requirements not yet satisfied.*

- ❏
- ❏   **AG** 122(3), 174(3), 200/L(3,1), 265/L(3,1) **ANTH** 210(3), 210L(1), 215(3); **AQUA** 362/L(2,1); **ASTR** 110(3), 110L(1); **BIOC** 241 →141(3), 244 → 142(3); **BIOL** 100(3),
- ❏   105/L(3,1), 124/L(3,1), 151(3), 152L(2), 171/L(3,1), 172/L(3,1), 200/L(3,1), 282(3), 331/L(3,1), 424/L(2,1); **BIOL** 101/L/**SCI** 121/L(3,1); **BIOL** 102/L/**BOT** 101/L(3,1);
- ❏   **BIOL** 103/L/**ZOOL** 101/L(3,1); **CHEM** 272/L(3,2), 273/L(3,2); **ETRO** 140(4); **FSHN** 185(3), 285(3); **GEOG** 101/L(3,1); **GG** 101/L(3,1), 103(3); **GIS/ICS** 150(4), 180(4);
  ICS 101(3), 110(3), 169(3), 171(3), 184(3), 281(3), 282(3); **MATH** 103(3), 115(3), 135(3), 140(3), 242(3), 243(3)*, 244(3)*; **MICR** 130(3), 140(2); **OCN** 201/L(3,1); **PHRM**
  203(3); (**ZOOL→PHYL** 141/L(3,1), 142/L(3,1)); **PHYS** 151/L(3,1), 152/L(3,1) 170/L(4,1), 272/L((3,1); **SCI** 114(3), 122/L(3,1), 165L(1), 265L(1); **SSM** 101(3), 201(3), 202(3),
  275(3), 302(3), 375(3), 384(3), 402(3); **ZOOL** 200/L(3,1); any course listed under the Diversification (DA, DH, DL, DS) designations.   *Recommended.*

PROGRAM MAPS FOR ASNS CONCENTRATIONS

Biological Science full-time students would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
BIOL 171/L Introductory Biology I and Lab	3,1	CHEM 162/L General Chemistry II and Lab	3,1
CHEM 161/L General Chemistry I and Lab	3,1	BIOL 172/L Introductory Biology II and Lab	3,1
ENG 100 Composition I	3	Biological Science Concentration elective	3-4
MATH 241 Calculus I	4	Global Multicultural Perspective elective[1]	3
	15		14-15

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
PHYS 151/L or PHYS 170/L	4-5	PHYS 152/L or PHYS 272/L	3,1
DA/DH/DL[1,3]	3-4	Global Multicultural Perspective elective[1]	3
Biological Science Concentration elective[1,2]	3-4	DS[1,3]	3-4
Biological Science Concentration elective[1,2]	3-4	Biological Science Concentration elective[1,2]	3-4
Biological Science Concentration elective[1,2]	3-4	Biological Science Concentration elective[1,2]	3-4
	16-21		16-19

Physical Science full-time students would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
CHEM 161/L General Chemistry I and Lab	3,1	CHEM 162/L General Chemistry II and Lab	3,1
ENG 100 Composition I	3	MATH 242 Calculus II	4
MATH 241 Calculus I	4	Physical Science Concentration elective[1,2]	3-4
Physical Science Concentration elective[1,2]	3-4	Global Multicultural Perspective elective[1]	3
	14-15		14-15

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
PHYS 170/L General Physics I and Lab	4,1	PHYS 272/L General Physics II and Lab	3,1
DA/DH/DL[1,3]	3-4	Global Multicultural Perspective elective[1]	3
Biological Science elective[2]	3-4	DS[1,3]	3-4
Physical Science Concentration elective[1,2]	3-4	Physical Science Concentration elective[1,2]	3-4
Physical Science Concentration elective[1,2]	3-4	Physical Science Concentration elective[1,2]	3-4
	16-17		16-19

[1-6]*Note: See definitions of footnotes 1 through 6 on the subsequent page.*

Associate in Science in Natural Science (ASNS) . . . *continued from preceding page*

Engineering full-time students would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
CHEM 161/L General Chemistry I and Lab	3,1	CHEM 162/L General Chemistry II and Lab	3,1
ENG 100 Composition I	3	EE 160 Programming for Engineers	4
MATH 241 Calculus I	4	MATH 242 Calculus II	4
Global Multicultural Perspective elective[1]	3	DS[1,3,5]	3-4
	14		14-15

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
PHYS 170/L General Physics I and Lab	4,1	PHYS 272/L General Physics II and Lab	3,1
MATH 243 Calculus III	3	EE 211 Basic Circuit Analysis I	4
DA/DH/DL[1,3,4]	3-4	MATH 244 Calculus IV	3
Engineering Concentration elective[1,2]	3-4	Engineering Concentration elective[1,2]	3-4
	14-16	Global Multicultural Perspective elective[1]	3-4
			17-19

Information & Communication Technology full-time students would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
CHEM 161/L General Chemistry I and Lab	3,1	CHEM 162/L General Chemistry II and Lab	3,1
ICS 111 Introduction to Computer Science I	4	ICS 211 Introduction to Computer Science II[6]	4
ENG 100 Composition I	3	Info & Communication Tech Concentration elective with Lab[1,2]	3-4
MATH 241 Calculus I	4	Global Multicultural Perspective elective[1]	3-4
	15		14-16

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
ICS 141 Discrete Math for Computer Science I	3	ICS 241 Discrete Math for Computer Science II	3
ICS 212 Program Structure	3	DA/DH/DL[1,3,4]	3-4
Global Multicultural Perspective elective[1]	3-4	Biological Science elective[1,2]	3-4
DS[1,3]	3-4	Info & Communication Tech Concentration elective[1,2]	3-4
Info & Communication Tech Concentration elective[1,2]	3-4	Info & Communication Tech Concentration elective[1,2]	3-4
	16-21		15-19

[1]*Indicates courses that are often scheduled as WI.*
[2]*BS, PS, Engineering, ICT electives may be taken with lab for additional credits.*
[3]*Students planning to transfer should consult an academic counselor for additional requirements.*
[4]*Engineering concentration only: SP 251(DA) is a requirement for student admitted to the College of Engineering at UH Manoa.*
[5]*Engineering concentration only: ECON 120, 130 or 131 (DS) is a requirement for students admitted to the College of Engineering at UH Manoa.*
[6]*Indicated courses are generally offered via distance education at other UHCC campuses.*

Academic Subject Certificate

The Academic Subject Certificate (ASC) is a college credential for students who have successfully completed a specific sequence of credit courses from the AA curriculum.

The sequence:

- fits within the structure of the AA degree;
- does not extend the credits required for the AA degree; and
- is at least 12 credit hours.
- GPA of 2.0 or better is required for all courses required in the certificate.

Specific Academic Subject Certificates are available in:

- Hawaiian Music
- Hawaiian Studies
- Music Studies
- Visual Arts
- Marine Option Program

Hawaiian Music (ASC): 32 credits

The ASC in Hawaiian Music is designed to encourage students to specialize in Hawaiian music in order to preserve and perpetuate this art form.

❦ Call Keola Donaghy at 984-3570 for information.

- Students must receive grade C or better for all courses applied to the certificate.
- GPA of 2.0 or better is required for all courses applied to the certificate.
- Minimum of 9 credits must be taken at UH Maui College.

Required courses: 23 credits

HAW 101	Elementary Hawaiian I(4)
HAW 102	Elementary Hawaiian II(4)
HAW 201	Interm Hawaiian I(4)
HWST/MUS 176	History Hawn Music(3)
MUS 114H	Hawaiian Chorus(2)
MUS 132 - *twice*	Applied Hawn Music(2,2)
MUS 295	Hawn Music Capstone(2)

Elective courses: 9 credits

HAW 104	Language Thru Hula(3)
HAW 202	Interm Hawaiian II(4)
HWST 107*	Center of the Pacific(3)
HWST 205A[c]	Mele 'Āina(2)
HWST 205E[c]	Mele Pili Kanaka(2)
HWST 205I[c]	Mele Other(2)
MUS 107[a]	World Music Cultures(3)
MUS 121C[b]	Piano 1(2)
MUS 121D[b]	Guitar 1(2)
MUS 121F[b]	Slack Key Guitar 1(2)
MUS 121G[b]	Hawn Steel Guitar 1(2)
MUS 121Z[b]	'Ukulele 1(2)
MUS 122B	Voice 2(2)
MUS 122C	Piano 2(2)
MUS 122D	Guitar 2(2)
MUS 180	Theory & Aural Skills(2)
MUS 271	Intro Music Technology(3)
MUS 272	Digital Record Techn(3)
MUS 273	Performance & Record(3)

[a] *Recommended courses for students pursuing the AA in Liberal Arts and in Hawaiian Studies.*

[b] *Elementary level instrument course may only be counted toward the certificate if they are a student's secondary instrument, i.e., not their primary instrument.*

[c] *Only one of the three alphas may be counted toward the certificate.*

AA degree requires an additional 28 credits (100-level or higher) minimum.

Hawaiian Studies (ASC): 27 credits

Students may select from a variety of courses that present Hawaiian perspectives in Hawaiian culture, language, history, and philosophy. The ASC enhances the Liberal Arts AA degree. Students who plan to pursue a baccalaureate degree in Hawaiian Studies or in another field should consult a counselor or academic advisor.

- Students must receive grade C or better for all courses applied to the certificate.
- GPA of 2.0 or better is required for all courses applied to the certificate.
- Minimum of 9 credits must be taken at UH Maui College.

Hawaiian Studies core: 10 credits[a]

BOT 105/HWST 211	Hawn Ethnob(3)[b]
HAW 202	Interm Hawaiian II(4)
HWST 107	Center of the Pacific(3)

Elective courses: 17 credits
Two 200-level courses are required.

HAW 101	Elem Hawaiian I(4)
HAW 102	Elem Hawaiian II(4)
HAW 104	Language thru Hula(3)
HAW 201	Interm Hawaiian I(4)
HAW 221	Hawn Conversation(3)
HAW 261	Hawn Lit Translation(3)
HWST 100BCD	Hawaiian Culture(1,1,1)
HWST 111	The Hawaiian 'Ohana(3)
HWST 205A	Mele 'Āina(2)
HWST 205E	Mele Pili Kanaka(2)
HWST 205I	Mele – Other(2)
HWST 207	Malama Ahupua'a Mgt(3)
HWST 213	Hawn Ethnozoology(3)
HWST 222	Ma'awe Hawn Fiber Arts(3)
HWST 231	Hawaiian Culture(3)
HWST 262	Pana Maui Sacred Places(3)
HWST 270	Hawaiian Mythology(3)
HWST 286	Kaho'olawe 'Āina(3)
HWST 291	Modern Issues Hawai'i(3)
HWST 190v[c]	Topics course(1-3)
HWST 290v[c]	Topics course(1-3)
PACS 108	Intro Pacific Worlds(3)

Plus, any HAW or HWST course at 100 or 200 level.

[a] *Other electives are available; consult with Counseling or Hawaiian Studies faculty. UHMC Hawaiian language back credits apply.*

[b] *Crosslisted; take in either department.*

[c] *Repeatable if different course title.*

Music Studies (ASC): 23 credits

The ASC in Music Studies provides a foundation in the creation, performance, and understanding of music in both its technical and cultural contexts.

☙ Call Keola Donaghy at 984-3570 for information.

- Students must earn grade C or better for all courses applied to the certificate.
- GPA of 2.0 or better is required for all required courses.
- Minimum of 9 credits must be taken at UH Maui College.

Music Core: 11 credits

MUS 106	Intro to Music Lit	(3)
MUS 107	World Music Cultures	(3)
MUS 180	Theory & Aural Skills	(2)
MUS 273	Performance & Record	(3)

Performance elective courses: 6 credits

Students must take a minimum of 6 credits, with classes from a minimum of two different instruments, or 1-2 instruments and voice.

MUS 114	College Chorus	(2)
MUS 114H	Hawaiian Chorus	(2)
MUS121B	Voice 1	(2)
MUS121C	Piano 1	(2)
MUS121D	Guitar 1	(2)
MUS 121G	Hawn Steel Guitar 1	(2)
MUS 121Z	ʻUkulele 1	(2)
MUS 122B	Voice 2	(2)
MUS 122C	Piano 2	(2)
MUS 122D	Guitar 2	(2)
MUS 122G	Haw Steel Guitar 2	(2)
MUS 221C	Piano 3	(2)

Elective courses: 6 credits

Any Performance course beyond the 6 credits required may be used as Elective credit. Also. the following classes may be used:

MUS 132	Applied Hawn Music	(2)
HWST/MUS 176	History Hawn Music	(3)
MUS 253	Elem Music in Action	(3)
MUS 271	Intro to Music Tech	(3)
MUS 272	Digital Record Techn	(3)
HWST 205A	Mele ʻĀina	(2)
HWST 205E	Mele Pili Kanaka	(2)
HWST 205I	Mele Other	(2)
MUS 190v[a]	Topics Course	(1-3)
MUS 290v[a]	Topics Course	(1-3)

[a]*May be repeated if different course title.*
Note: AA degree requires an additional 37 credits (100-level or higher) minimum.

Visual Arts (ASC): 18 credits

The ASC in Visual Arts is intended to recognize and encourage innovation, collaboration, and creativity. This certificate enhances the Liberal Arts AA degree. Students who plan to pursue a baccalaureate degree in the Fine Arts should consult a counselor or academic advisor.

☙ Call Mike Takemoto at 984-3249 for more information.

- Students must receive grade C or better for all courses applied to the certificate.
- Courses applied to the ASC must be taken for a letter grade.
- GPA of 2.0 or better is required for all courses applied to the certificate.
- Last 6 credits must be taken at UH Maui College.

Visual Arts core: 9 credits

ART 101, or	Intro to Visual Arts	(3)
ART 270	History of Western Art	(3)
ART 113	Intro to Drawing	(3)
ART 115, or	Intro to 2D Design	(3)
ART 221/ICS 214	Design Print & Web	(3)[a]

Elective courses: 9 credits

At least two courses from this list(6):

ART 101[b]	Intro to Visual Arts	(3)
ART 104	Intro to Printmaking	(3)
ART 105	Intro to Ceramics	(3)
ART 107	Intro to Photography	(3)
ART 107D	Digital Photography	(3)
ART 115[b]	Intro to 2D Design	(3)
ART 123BCD	Intro to Painting	(1,1,1)
ART 161/ICS 161	Intro Graphic Design	(3)[a]
ART 190v	Topics in Art	(1-3)
ART 199v	Directed Studies	(1-3)
ART 205/ICS 205	Photoshop/Illustratr	(3)[a]
ART 218/ICS 261	Inter Graphic Design	(3)[a]
ART 221/ICS 214[b]	Design Print & Web	(3)[a]

Choose at least one course from this list(3):

ART 270[b]	History Western Art	(3)
ART 223	Interm: Painting	(3)
ART 243	Interm: Hand Build	(3)
ART 244	Interm: Wheel Throw	(3)
ART 263	Adv: Sculpture	(3)
ART 264	Adv: Vessels	(3)
ART 290v	Topics in Art	(1-3)
ART 299v	Directed Studies	(1-3)

[a]*These ART and ICS courses are crosslisted and may be taken in either department.*

[b]*If not taken as core requirement.*

Marine Option Program (ASC): 12 credits

The Marine Option Program (MOP) is a UH systemwide certificate program with participation by students at all UH campuses. MOP offers opportunities for students from all disciplines who are interested in the ocean. Besides course requirements, MOP students learn with experiential education by doing an internship or research project in their chosen area.

☙ For more info, call 984-3203 or e-mail mauimop@hawaii.edu

Marine Option Program (ASC): 12 credits

OCN 101	Intro to MOP	(1)
OCN 201, or	Science of the Sea	(3),
ZOOL 200	Marine Biology	(3)
ZOOL 200L	Marine Biology Lab	(1)

Project: Minimum 2 credits from:

OCN 191v	Marine Nature Pgm	(1-3)
OCN 193v	Cooperative Ed	(1-3)
OCN 293v	Marine Internship	(1-3)

Additional credits *if not taken for marine survey:*

BIOL 105	Hawn Field Biology	(4)
BIOL 200	Coral Reefs	(3)
BIOL 200L	Coral Reefs Lab	(1)
BIOL 265	Ecology/Evolutn Biol	(3)
BOT 105	Hawn Ethnobotany	(3)
MARE 264	QUEST[a]	
MARE 364	Advanced QUEST[a]	
OCN 140	SCUBA Certification	(2)
OCN 190v	Selected Topic	(1-3)
OCN 201	Science of the Sea	(3)
OCN 201L	Science of the Sea Lab	(1)
OCN 270	Comun Ocean Science	(3)
OCN 290v	Advanced Topic	
ZOOL 200	Marine Biology	(3)
ZOOL 200L	Marine Biology Lab	(1)

Marine Naturalist (CO)/(CPD): 3-9 credits

Three Marine Naturalist certificates attest to knowledge and experience gained in the field. Each offers unique opportunities for students desiring to gain employment or further studies in the marine sciences.

Marine Naturalist I (CO): 9 credits

OCN 101	Intro to MOP	(1)
OCN 191v	Marine Naturalist Pgm	(1)
OCN 201	Science of the Sea	(3)
ZOOL 200	Marine Biology	(3)
ZOOL 200L	Marine Biology Lab	(1)

Marine Naturalist II (CO): 9 credits

BIOL 200	Coral Reefs	(4)
OCN 64	Marine Life ID	(3)

Two credits from any of the following:

OCN 190v	Selected Topic	(1-3)
OCN 191v	Marine Nature Pgm	(1-3)
OCN 193v	Cooperative Ed	(1-3)
OCN 201L	Science of the Sea Lab	(1)
OCN 293v	Marine Internship	(1-3)

Marine Naturalist III (CPD): 3 credits

OCN 270	Comun Ocean Science	(3)

[a]*Offered at UH Hilo second two weeks in May.*

Career & Technical Education

Career and Technical Education (CTE) programs offer the Associate in Science (AS) degree or the Associate in Applied Science (AAS) degree. Additionally, there is a customized degree opportunity, the Associate in Technical Studies (ATS).

Associate in Science

The Associate in Science (AS), a two year degree consisting of at least 60 credits entirely at the college level (100-level or above), provides students with skills and competencies for gainful employment.

┌─ *At a Glance* ─────────
Associate in Science (AS)

Creative Media
  Creative Media
  Filmmaking
  Graphic Design
  Web Development
Dental Hygiene
Early Childhood Education
Electronic & Computer Engineering Technology
Human Services
Natural Science
  Biological Science
  Engineering
  Information & Communications Tech
Physical Science
  Registered Nurse
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Associate in Applied Science

The Associate in Applied Science (AAS), a 2-year degree consisting of at least 60 credits entirely at the college 100-level or above, provides students with skills and competencies for gainful employment. While this degree is not designed for transfer directly into a baccalaureate program, some AAS programs have agreements with baccalaureate degree-granting institutions, and some AAS programs may include some baccalaureate-level course offerings.

AS and AAS Requirements

1. **Satisfactory Completion of a CTE Major:**
   Specific courses for each major are described later in this section.

2. **General Education:**
   a. **Quantitative Reasoning: 3 credits**
      3 credits minimum.

Refer to Program Maps for program\mathematics requirements. Graduation Requirement: If students seek to apply Philosophy 110 to fulfill the AS or AAS degree requirement in Quantitative Reasoning, students must place into Mathematics 100 or higher.

   b. **English/Communication: 6 credits**
      6 credits in English 100, 102, 104, 106, 209, 210; Learning Skills 110; Journalism 205, 250; Speech 151, 251; Communication 145, 210; or Communication/Business 130.
      3 credits of the 6 must be ENG 100 or ENG 106.
      Nursing/Dental Hygiene AS requires ENG 100(3) only.
      English courses numbered 250 or above meet Humanities requirements only.

   c. **Elective credits-AS: 12 credits**
      Elective credits-AAS: 9 credits
      At least one 100-level course each from Humanities, Natural Science, and Social Science listed below. *For the AS degree and the AAS degrees that have 12 General Education elective credits, the remaining 3 elective credits may be selected from any area with the exceptions that: CTE majors may not select electives from CTE courses, and Business majors may not select electives from Business courses.*

      Humanities:
      Anthropology 235, Art/ICS 161, 205, Art 218/ICS 261, Art 221/ICS 214, Art; Business/Communication 130; Creative Media (except 147); (Drama ->Theatre); English 104, 204A/B/C, 250-257; Filipino; Hawaiian; Hawaiian Studies *(except 211, 211L)*; History; Humanities; Ilokano; Japanese; Linguistics; Music; Philosophy; Religion; Spanish; Speech; Telecommunications 261.

      Natural Science:
      Agriculture 200/L, 253/L, 265/L; Anthropology 210L, 215; Aquaculture; Astronomy; Biochemistry; Biology; Botany 101/L, 105L; Chemistry; Food Science & Human Nutrition; Geography 101 & 101L; Geology & Geophysics; Hawaiian Studies 211L; Microbiology; Oceanography 201, 201L; Pharmacology 203; Physics*(except 101)*; Physiology; Science; Sustainable Science Management *(except 101, 301, 392v, 401, 422, 495, 496)*; Zoology.

      Social Science:
      Anthropology (except 210L, 215, & 235); Botany 105/Hawaiian Studies 211; Communications (except 130); Creative Media 147; Economics; Human Development & Family Studies 230; Pacific Island Studies 108, Political Science; Psychology; Sociology; Sustainable Science Management 301, 401.

3. **Minimum of 60 credits:**
   These maximums may be applied:
   a. 9 credits Cooperative Education;
   b. 30 credits with CR grade.
   Interdisciplinary Studies courses may be applied.
   60 credits for the AS degree must be at the 100-level or above.

4. **Grade Point Average:**
   2.0 (C) or better.

5. **Residency Requirement:**
   12 credits toward a major must be earned at UH Maui College. The residency requirement may be waived for cause or credit-by-examination used with approval of the Vice Chancellor of Academic Affairs.

6. **Graduation Requirement:**
   To be awarded the AS or the AAS degree, students must complete an Application for Graduation form obtained from Student Services.
   See Academic Calendar for deadline.

┌─ *At a Glance* ─────────
Associate in Applied Science (AAS)

Accounting
Administration of Justice
Agriculture & Natural Resources
  Horticulture & Landscape Maint
  Sustainable Tropical Crop Mgt
Automotive Technology
  Automotive Technology
  Auto Body Repair & Painting
Business Administration
Business Technology
  Information Processing
  Medical Office Specialist
Construction Technology
Culinary Arts
  Baking
  Culinary Arts
Fashion Technology
Hospitality & Tourism
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Associate in Technical Studies

The Associate in Technical Studies (ATS) is a two year Career and Technical Education (CTE) degree of at least 60 credits that provides students with skills and competencies for gainful employment.

This degree must be:

1. customized by using courses from two or more existing approved programs and is intended to target emerging career areas that cross traditional boundaries;
2. accompanied by student learning outcomes that are clearly defined by business and industry and/or employers with near immediate needs for specialized training for a limited number of employees;
3. 3 credits each of mathematics and English, and 9 credits of social science, humanities, and science; entirely at the college 100-level or above;
4. awarded only to specific students who remain at UH Maui College without a break in enrollment and who complete coursework with a 2.0 GPA;
5. approved in advance and not requested based upon previously completed coursework; and
6. pre-approved by the Vice Chancellor of Academic Affairs after a review by the Department Chairs.

Students must complete an Application for Graduation form obtained from Student Services. *See Academic Calendar for deadline.*

The College takes the following steps to review a proposed individual ATS program.

1. The student, with assistance from counselors and/or program coordinators, develops a plan of study. Appropriate employers are consulted, as degree requirements are developed, to assure employability.

The plan of study includes:
   a. statement of career objective(s);
   b. statement of jobs for which the degree will prepare the student;
   c. statements of clearly defined student learning outcomes to be achieved;
   d. 3 credits each of math and English;
   e. 9 credits of social science, humanities, and science;
   f. list of specific courses from the current catalog that will be completed for the ATS degree;
   g. requirements that conform with the General Education learning outcomes specified by the Associate in Science degree task force;
   h. minimum of 30 of the 60 credits required for the degree must be taken after the ATS degree proposal is approved.

2. Plan is submitted to the Vice Chancellor of Academic Affairs (VCAA).
3. VCAA forwards plan to Department Chairs for recommendation.
4. VCAA reviews plan and Department Chair recommendation. VCAA may approve the plan.
5. VCAA returns the signed original plan to the lead program coordinator/counselor and keeps a copy in VCAA files.
6. The ATS program coordinator maintains student's files until student graduates or leaves the College. Changes in the plan are done to meet the needs of the student.
7. Once a student graduates or leaves the College, the original and modified plans are sent to the VCAA office.
8. VCAA issues a report each academic year, listing the status of each ATS degree.

Career & Technical Certificates

The Career & Technical Education (CTE) program offers three types of certificates based upon the amount of credit required for completion.

These three certificates are described below in order of the longest to the shortest program.

Certificate of Achievement

The Certificate of Achievement (CA) is a credential awarded to students who successfully complete designated CTE credit course sequences that provide entry-level skills or job upgrades. These course sequences shall be at least 24 credits, but may not exceed 51 credits (unless external employment requirements exceed this number).

CA Requirements

1. **Satisfactory Completion of a Career & Technical Education Major:** *Program Maps cite specific program requirements.*
2. **General Education: 6 credits**
   3 credits in English 19 or higher, and 3 credits in Quantitative Reasoning.
3. **Grade Point Average:**
   2.0 (C) or better.
4. **Residency Requirement:**
   At least 12 credits toward the CA must be taken at UH Maui College.
5. **Application for Graduation:**
   To be awarded a CA, students must complete an *Application for Graduation* form obtained from Student Services. *See Academic Calendar for deadline.*

At a Glance

Certificates of Achievement (CA)

Accounting
Administration of Justice
Agriculture & Natural Resources
  Horticulture & Landscape Maint
  Nursery Management
  Sustainable Tropical Crop Mgt
Automotive Technology
  Automotive Technology
  Auto Body Repair & Painting
Business Administration
Business Technology
Construction Technology
  Building & Construction
  Facilities Mechanical
  Facilities Management
Creative Media
  Creative Media
  Filmmaking
  Graphic Design
  Web Development
Culinary Arts
Early Childhood Education
Electronic & Computer Engineering Technology
  Information Security Specialist
Fashion Technology
Hospitality & Tourism
Human Services
Nursing Career Ladder
  Practical Nurse

Certificate of Competence

A Certificate of Competence (CO) is a credential awarded for successfully completing designated short-term credit or non-credit courses that provide job upgrading or entry-level skills. Credit course sequences shall be 4 to 23 credits.

The issuance of a CO requires that students' work has been evaluated and determined to be satisfactory. Students must earn a GPA of 2.0 or better for all credit courses required in the CO.

At a Glance

Certificates of Competence (CO)

Administration of Justice
  Corrections I, II
  Law Enforcement I, II
  Private Security I, II
Agriculture and Natural Resources
  Beekeeping
  GIS in Ecosystem Management
  Landscape Maintenance
  Natural Resource Management
  Pest Management
  Sustainable Tropical Crop Production
Applied Business & Information Tech
  Data Science and Machine Learning
Automotive Technology
  Brakes
  Heating & Air Conditioning
  Suspension & Steering
Business Administration
  e-Marketing
  Entrepreneurship
  Supervision
Business Technology
  Business Technology
  Career Prep
  Medical Office Specialist I
  Virtual Office Assistant
Construction Technology
  Air Conditioning Maintenance
  Basic Carpentry Skills
  Basic Drafting Skills
  Construction Technology
  Electrical Maintenance
  Energy Production
  Facilities Management
  Maintenance Painting
  Maintenance Plumbing
  Rough and Finish Carpentry
  Small Equipment Repair
  Sustainable Technology
Culinary Arts
  Culinary Arts
  Pastry Cook
Early Childhood Education
  Early Childhood Education
  Early Childhood Option
  Preschool Child Development Associate
Electronic & Computer Engineering Tech
  Information Security Specialist
Fashion Technology
  Dressmaker
  Fashion-Fabric Salesperson
  Seamstress
Hospitality & Tourism
Human Services
  Aging
  Case Management
  Cmty Health Worker/Health Navigator I
  Dynamics of Family Violence
  Substance Abuse Counseling I, II
  Youth Development Practitioner
Marine Option Program
  Marine Naturalist I, II
Natural Science
  Science Laboratory Technician
Nursing Career Ladder
  Nurse Assistant
  Pharmacy Technician
Sustainable Science Management
  Sustainable Technology

Certificate of Professional Development

The Certificate of Professional Development (CPD) is a college credential for successfully completing designated short-term credit or non-credit CTE courses that provide industry specific job upgrading or entry-level skills. Credit course sequences shall be less than four (4) credit hours. The issuance of a Certificate of Professional Development requires that the students' work has been evaluated and stated competencies have been met. Issuance of the CPD will not appear on the student transcript.

At a Glance

Certificates of Professional Development (CPD)

Construction Technology
  Safety
  Welding for Trades
Marine Option Program
  Marine Naturalist III
Nursing Career Ladder
  Adult Residential Care Home Operator
  Medication Assistant

CTE Curricula & Maps

The Program Maps that follow for individual CTE programs show the required curricula in order to earn certificates and degrees, along with suggested sequences for taking the required courses.

Accounting

The Accounting program at UH Maui College is designed to prepare students for entry-level positions in the accounting profession within government and private business. Students who select the Accounting program should have the interest and aptitude for computational work. Students are prepared to work as an Account Clerk or Accounting Assistant with completion of the Certificate of Achievement (30 credits), and as a Bookkeeper with completion of the Associate in Applied Science degree (61 credits). With additional education, graduates of this program may become an Accountant or Auditor.

Students planning to transfer to the UH Maui College ABIT program, the UH Mānoa Shidler College of Business, or to business programs at UH Hilo, UH West Oahu, or another college should see a counselor about the requirements for entrance to these schools. These colleges have specific entrance requirements and not all Accounting program courses fulfill these requirements or are transferable. Accounting majors are required to earn a letter grade of C or better (or credit-by-exam) for Accounting courses.

❧ Contact the Program Coordinator, Kelly Watanabe at 984-3750 or by email at kellyaw@hawaii.edu for more information.

Requirements for Certificate of Achievement (CA): 30 credits

Accounting 124(3),** 201(3),** 132(3), 134(3)
Business Technology 150, or
   Information & Computer Science 101(3)
Global Multicultural Perspective elective(3)

Business/Communication 130(3), or Speech 151 or 251(3)
English 100(3)
Economics 130(3)
Mathematics 103, 115, or higher (3)

Requirements for Associate in Applied Science (AAS) Degree: 61 credits

All CA courses(30), plus:
Accounting 202(3), 252(3), 255(3), 295(3)
Business elective(3)***
English 209(3)

Economics 131(3)
Natural Science elective(4) - *except PHYS 101*
Psychology 100 or Sociology 100(3)
HWST 107(3) - *Humanities: DH elective*

Full-time students would take courses in this sequence:

First Semester (Fall)	Credits
*ACC 124 Principles of Accounting I**	3
*ACC 132 Payroll and Hawai'i General Excise Tax	3
*BUSN 150 Introduction to Business Computing, or	
ICS 101 Digital Tools for the Information World	3
*ENG 100 Composition I	3
*Global Multicultural Perspective – *elective*	3
	15

Second Semester (Spring)	Credits
*ACC 201 Introduction to Financial Accounting**	3
*ACC 134 Individual Income Tax Preparation	3
*MATH 103, MATH 115, or higher	3
*BUS/COM 130 Business Communication - Oral, or	
SP 151 Personal and Public Speech, or	
SP 251 Principles of Effective Public Speaking	3
*ECON 130 Principles of Economics - Micro	3
	15

Third Semester (Fall)	Credits
ACC 202 Introduction to Managerial Accounting**	3
ACC 252 Using QuickBooks® in Accounting	3
ENG 209 Business & Managerial Writing	3
HWST 107 Hawaii: Center of the Pacific	3
ECON 131 Principles of Economics-Macro	3
	15

Fourth Semester (Spring)	Credits
ACC 255 Using Excel in Accounting	3
ACC 295 Accounting Capstone	3
PSY 100 Survey of Psychology, or	
SOC 100 Survey of General Sociology	3
Natural Science elective with Lab – *except PHYS 101*	4
Business Elective***	3
	16

Grade C or better (or credit-by-exam) required in all ACC courses.
   * *Note: Courses required for the Certificate of Achievement.*
  ** *Note: Option 1: ACC 124, ACC 201, and ACC 202.*
           *Option 2: ACC 201, ACC 202, and Business Elective(3)***.*
 *** *Note: Prerequisite courses to program requirements may not be used as a Business elective. Recommended: Business Electives: ACC 193v, and (for ABIT & UHWO) BLAW 200.*
**** *Note: Bachelor degree-seeking students may take a Global Multicultural Perspective from a different group or a Natural Science from a different group instead of Business Electives.*

Administration of Justice

The Administration of Justice program serves the following broad purposes: to provide general academic knowledge, concepts, and theory pertaining to the criminal justice system; to meet the pre-service needs of those preparing for careers in law enforcement, private security, or other field related to administration of justice; and to meet in-service educational and training needs of professionals in the administration of justice field.

Police Officers may receive up to 21 Administration of Justice credits for completing basic police training as required by government law enforcement agencies, after successfully earning 12 college credits at UH Maui College.

✋ Contact the Program Coordinator, Ryan Daniels, at 984-3224 or by email at ryanbkd@hawaii.edu for more information.

Requirements for Certificates of Competence (CO):

Corrections I: 9 credits　　　Administration of Justice 101(3), 150(3), Sociology 100 or 218(3)

Corrections II: 9 credits　　　Administration of Justice 221(3), 250(3), Psychology 100 or 170(3) *(Prereq: Corrections I)*

Law Enforcement I: 9 credits　　Administration of Justice 101(3), 221(3), Sociology 218(3)

Law Enforcement II: 9 credits　　Administration of Justice 223(3), 230(3), Psychology 100 or 170(3) *(Prereq: Law Enforcement I)*

Private Security I: 9 credits　　Administration of Justice 101(3), 170(3), Sociology 100 or 218(3)

Private Security II: 9 credits　　Administration of Justice 221(3), 270(3), Psychology 100 or 170(3) *(Prereq: Private Security I)*

Requirements for Certificate of Achievement (CA): 33 credits

Administration of Justice 101(3), 200(3), 293v(3)　　　Hawaiian Studies 107(3)
Administration of Justice elective(3)　　　　　　　　Psychology 100 or 170(3)
Administration of Justice elective(3)　　　　　　　　COM 145, BUS/COM 130, or SP 151(3)
Administration of Justice elective (3)　　　　　　　　English 100 or 106(3)**
　　　　　　　　　　　　　　　　　　　　　　　　Mathematics 100 or higher, or BUSN 189(3)***

Requirements for Associate in Applied Science (AAS) Degree: 60 credits

All CA courses(33), plus:　　　　　　　　　　　Administration of Justice electives(9) from this list:
Administration of Justice 221(3), 224(3)　　　　　　AJ 103(3), 104(3), 150(3), 170(3), 226(3), 230(3),
Administration of Justice 210 or 223(3)　　　　　　231(3), 232(3), 234(3), 250(3), 270(3)
Sociology 100 or 218(3) - *Social Science requirement*　　Humanities elective(3)
　　　　　　　　　　　　　　　　　　　　　　　Natural Science elective(3) - *except PHYS 101*

Full-time students would take courses in this sequence:

First Semester (Fall)	Credits
*AJ 101 Intro to Administration of Justice	3
Administration of Justice elective	3
SOC 100 Survey of General Sociology, or	
SOC 218 Introduction to Social Problems	3
*COM 145, BUS/COM 130, or SP 151	3
*ENG 100 or 106**	3
	15

Second Semester (Spring)	Credits
*AJ 200 Principles of the Hawai'i Justice System	3
*Administration of Justice elective	3
Administration of Justice elective or General Ed elective	3
*HWST 107 Hawai'i: Center of the Pacific	3
*MATH 100 or higher, or BUSN 189***	3
	15

Third Semester (Fall)	Credits
AJ 221 Criminal Law *(if taken for CA, add 3 cr. AJ elective)*	3
*Administration of Justice elective	3
Administration of Justice elective or General Ed elective	3
*PSY 100 Survey of Psychology, or	
PSY 170 Psychology of Adjustment	3
Humanities elective	3
	15

Fourth Semester (Spring)	Credits
AJ 223 Laws of Arrest, Search, Seizure	3
*AJ 293v Administration of Justice Internship	3
*Administration of Justice elective	3
Administration of Justice elective or General Ed elective	3
Natural Science elective - *except PHYS 101*	3
	15

　Note: Courses required for the Certificate of Achievement.
　**Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.*
　***Note: MATH 75X/82 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.*

Agriculture & Natural Resources

The Agriculture & Natural Resources program provides instruction for those in need of training, retraining, or skills upgrading in the field of agriculture, and those wishing to transfer to a four-year college or university. Diverse learning activities are provided at facilities on Maui and Moloka'i. The Maui facility includes a 10,700 sq. ft. greenhouse and 1.5 acres of vegetable fields and landscapes. The Moloka'i Farm includes a 5,000 sq. ft. greenhouse, orchards, and vegetable fields on 28 acres of land.

Projections point to a continued need for well-trained people in all aspects of the green industry. Hotels and condominiums face increasing demand for personnel to design and maintain aesthetically pleasing landscapes in an environmentally sound manner. Farms and agriculturally related businesses need informed individuals to implement new technologies and sustainable agriculture techniques. Numerous opportunities exist for entrepreneurs in vegetable, flower, and nursery crop production as well as landscape maintenance. The New Farmer Institute at UHMC is devoted to assisting outstanding students and graduates with becoming agriprenuers. Students interested in an interdisciplinary degree in cultural and natural resource management are encouraged to speak with the program coordinator.

Students may transfer to other institutions after beginning their academic and technical training on Maui or Moloka'i. Some agriculture courses are articulated or can be used as electives at the University of Hawai'i at Hilo or University of Hawai'i at Mānoa. The Oregon State University eCampus offers a degree in general agriculture that allows UHMC agriculture students the opportunity to pursue a bachelor degree while living here in Maui County.

🌿 Contact the Program Coordinator, Ann Emmsley, at 984-3243 or by email at aemmsley@hawaii.edu for latest program schedule cycle.

Requirements for Certificates of Competence (CO):

Beekeeping: 4 credits	Agriculture 162(2), 163(2)
GIS in Ecosystem Management: 8 credits	GIS/ICS 150(4), GIS 180(4)
Landscape Maintenance: 13-14 credits	Agriculture 235(3), 260(4), 261(3); Agriculture 269(3) or [265(3) & 265L(1)]
Natural Resource Management: 21 credits	Agriculture 174(3), 193v(1), [265(3) & 265L(1)], 281(3); Biology [105(3) & 105L(1)] or Biology [124(3) & 124L(1)]; Botany 105/Hawaiian Studies 211 (3); GIS 150 (3)
Pest Management: 9 credits	Agriculture 174(3), 201(3), 281(3)
Sus. Tropical Crop Production: 10 credits	Agriculture 103(2), 104(1), 232(1), 251(4), 252(2)

Requirements for Certificates of Achievement (CA):

Core courses required for CA programs: 27 credits

Agriculture 122(3), 174(3), 200(4), 201(3), 230(3), 235(3)   Automotive Technology 80(2)
MATH 100 or higher, or BUSN 189(3)**   English 100 or 106(3)*

Nursery Management (CA): 34 credits

All Core courses(27), plus:
Agriculture 266(3), 269(3), 193v(1)

Horticulture & Landscape Maintenance(CA): 40-41 credits

All Core courses(27), plus:
Agriculture 260(4), 261(3), 269(3) or [265(3) & 265L(1)], 281(3)

Sustainable Tropical Crop Management (CA): 41 credits

All Core courses(27), plus:
Agriculture 103(2), 104(1), 193v(1), 232(1), 251(4), 252(2), 281(3)

 Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.
 **Note: MATH 75X/82 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.*

Requirements for Associate in Applied Science (AAS) Degree: 60-62 credits

Horticulture & Landscape Maintenance (AAS): 60-61 credits

All CA Horticulture & Landscape courses(40-41), plus:
Electives(8) from AG Elective List - Horticulture option below
General Education(12) listed below

Sustainable Tropical Crop Management (AAS): 62 credits

All CA Sustainable Tropical Crop courses(41), plus:
Electives(9) from AG Elective List - Tropical Crop option below
General Education(12) listed below

AG Elective List:

Tropical Crop options: Agriculture 113(1), 162(2), 253(4), 263(3), 265(3) & 265L(1), 266(3)
Horticulture options: Agriculture 194v(1-3), 232(1), 233(2), 251(4), 254(4), 263(3), 265(3) & 265L(1), 266(3), or 269(3)
Trade/Natural Science appropriate to major, including WELD 19C,19D; BIOL 105, 124; GIS 150, SSM 101.

General Education required for both AAS programs: 12 credits

BUS/COM 130 or SP 151(3)
ICS 101 or BUSN 150(3)
Humanities elective(3)
Social Science elective(3)

Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.
**Note: MATH 75X/82 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.*

Automotive Technology

The purpose of the Automotive Technology program is to train students for employment in automotive service and repair. The laboratory phase of courses uses modern tools and equipment while performing actual "live" service and repairs on automobiles. The classroom phase includes discussion of principles on the operation of automotive systems and components, demonstration of repair techniques, textbook assignments, and quizzes. Basic mechanic hand tools, supplies, books, and working clothes are required for enrollment. A tool list is available from the instructor.

The Automotive Technology program prerequisite requires placement at English 22 or higher, or consent of instructor, for all Automotive Technology courses except AMT 80 and AMT 100. Students must maintain a valid driver's license throughout the duration of the Automotive course of study.

The Automotive Technology program offers two different pathways towards certificates and degrees, Automotive Technology(AMT) and Auto Body Repair and Painting(ABRP).

✋ Call the Program Coordinator, Thomas Hussey, at 984-3236 or by emailing thussey@hawaii.edu for more information.

Automotive Technology(AMT) Pathway

Requirements for Certificate of Competence (CO) in Automotive Technology: 4 credits

Brakes: 4 credits   Automotive Technology 152(4)

Heating & Air Conditioning: 4 credits   Automotive Technology 144(4)

Suspension & Steering: 4 credits   Automotive Technology 154(4)

Requirements for Certificate of Achievement (CA) in Automotive Technology: 53-55 credits

Automotive Technology 100(2)***,129(7), 141(5), 144(4),   English 100 or 106(3)**
 145(4), 149(4), 152(4), 154(4), 240(4), 241(4), 246(4)   Quantitative Methods 107C(3)
Welding 119C(3)

Requirements for Associate in Applied Science (AAS) Degree in Automotive Technology: 73-75 credits

All CA courses(53-55), plus:
Automotive Technology 262(8)   Humanities elective(3)
Communication 145, or English 209 or 210, or   Social Science elective(3)
 Business/Communications 130(3)   Physics 101(3) - *Natural Science elective*

Full-time students not in the ABRP Concentration would take courses in this sequence:

First Semester (Fall)		Credits	Second Semester (Spring)		Credits
*AMT 100	Introduction to Automotive Mechanics***	0-2	*AMT 145	Manual Drive Trains and Axles	4
*AMT 141	Electrical/Electronics Systems I	5	*AMT 149	Automatic Transmissions and Transaxles	4
*AMT 152	Brake Systems	4	*AMT 241	Electrical/Electronics Systems II	4
*AMT 154	Suspension - Steering	4	*PHYS 101	Technical Automotive Physics	3
*QM 107C	Quantitative Methods in AMT	3	*ENG 100 or 106**		3
		16-18			18

Third Semester (Fall)		Credits	Fourth Semester (Spring)		Credits
*AMT 129	Engine Repair	7	*AMT 144	Heating and Air Conditioning	4
*AMT 240	Fuel Emission Systems	4	AMT 262	Advanced Diagnostic & Repair	8
*AMT 246	Ignition Systems	4	*WELD 119C	Welding for Automotive Applications	3
	COM 145, ENG 209 or 210, or BUS/COM 130	3		Social Science elective	3
	Humanities elective	3			18
		21			

   Note: Courses required for the Certificate of Achievement.
  **Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.*
 ***Note: All AMT students are required to take AMT 100 in their first semester at UH Maui College unless they have earned the 2+2 credit or have been
       waived by the program coordinator.*

Auto Body Repair and Painting (ABRP) Concentration

Requirements for Certificate of Achievement (CA) in Automotive Technology - ABRP Concentration: 30-32 credits

Auto Body Repair & Painting 120G(3),120H(3), 122E(4),
   122G(6), 141G(3), and 141H(2)
Automotive Techonology 100(2)***

Welding 119C(3)
English 100 or 106(3)**
Quantitative Methods 107C(3)

Requirements for Associate in Applied Science (AAS) Degree in Automotive Technology - ABRP Concentration: 62-64 credits

All CA courses(30-32), plus:

Automotive Technology 141(4), 144(4), 152(4), and 241(4)
Communication 145, or English 209 or 210, or
   Business/Communications 130(3)

Humanities elective(3)
Social Science elective(3)
Physics 101(3) - *Natural Science requirement*

Full-time students in the ABRP Concentration would take courses in this sequence:

First Semester (Fall)		Credits
*AMT 100	Introduction to Automotive Mechanics***	0-2
*ABRP 120G	Auto Sheet Metal	3
*ABRP 120H	Body & Fender	3
*ABRP 141G	Plastic Panel Repair	3
*QM 107C	Quantitative Methods in AMT	3
*WELD 119C	Welding for Automotive Applications	3
		15-17

Second Semester (Spring)	Credits
*ABRP 122E Basic Auto Refinishing	4
*ABRP 122G Complete Refinishing Techniques	6
*ABRP 141H Management & Estimating	2
*ENG 100 or 106**	3
	15

Third Semester (Fall)	Credits
AMT 141 Electrical/Electronics Systems I	4
AMT 152 Brake Systems	4
AMT 154 Steering & Suspension Systems	4
COM 145, ENG 209 or 210, or BUS/COM 130	3
Humanities elective	3
	18

Fourth Semester (Spring)	Credits
AMT 144 Heating and Air Conditioning	4
AMT 241 Electrical/Electronics Systems II	4
PHYS 101 Technical Automotive Physics	3
Social Science elective	3
	14

  *Note: Courses required for the Certificate of Achievement.

  **Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.

  ***Note: All AMT students are required to take AMT 20 in their first semester at UH Maui College unless they have earned the 2+2 credit or have been
      waived by the program coordinator.

Business Administration

The Business Administration program offers various levels of educational opportunity:

- Certificates designed for students and community members who wish to acquire or upgrade their skills and knowledge.
- One-year Certificate of Achievement that provides essential skills and knowledge in business, communication, writing, and mathematics.
- Two-year Associate in Applied Science that serves as preparation in the areas of business management, marketing, and sales.
- Transferable courses for four-year business programs at UH Maui College, UH Mānoa, UH West Oahu, and other institutions.

Students interested a baccalaureate program should take the appropriate mathematics sequence early in order to complete required course(s) and should see a counselor about specific requirements for entrance to baccalaureate programs.

Not all Business Administration courses will transfer and fill baccalaureate requirements. Baccalaureate programs additionally have specific GPA entrance requirements that may be higher than 2.0. Students should elect letter grades (A, B, C, etc.).

✋ Contact the Program Coordinator, Gil Logan, at 984-3344 or by email at glogan@hawaii.edu for more information.

Requirements for Certificates of Competence (CO):

Entrepreneurship: 12 credits	BUS 125(3), MGT 124(3), ACC 124 or 201(3), BLAW 200(3)
Supervision: 9 credits	MGT 120(3), 122(3); BUS/COM 130(3)
e-Marketing: 12 credits	MKT 120(3), 285(3); BUSN 150(3), 261(3)

Requirements for Associate in Certificate of Achievement (CA): 30 credits

Business 120(3)	Business Law 200(3)
Business Technology 150 or ICS 101(3)	Economics 130(3)
Management 120(3), 122(3)	English 100(3)*
Marketing 120(3)	Mathematics 103, or 115, or higher(3)**
Business Communication-Oral 130(3)	

Requirements for Associate in Associate in Applied Science (AAS): 61 credits

All CA courses(30) plus:	English 209(3)
Accounting 201(3), 202(3)	Hawaiian Studies 107(3)
Economics 131(3)	Psychology 100 or Sociology 100(3)
Management 124(3)	Natural Science with Lab(4)
Marketing 160(3)	Business elective(3)***

Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.
**Note: MATH 82 may be substituted for the Certificate of Achievement for those not going on to the AAS degree.*

Full-time students would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*BUS 120 Principles of Business	3	*MATH 103, or MATH 115, or higher	3
*BUSN 150 Introduction to Business Computing, or		*MKT 120 Principles of Marketing	3
ICS 101 Digital Tools for the Information World	3	*MGT 122 Organizational Behavior	3
*ENG 100 Composition I	3	*ECON 130 Principles of Economics - Micro	3
*BUS/COM 130 Business Communication-Oral	3	*BLAW 200 Legal Environment of Business	3
*MGT 120 Principles of Management	3		15
	15		

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
ACC 201 Introduction to Financial Accounting	3	ACC 202 Introduction to Managerial Accounting	3
MGT 124 Human Resource Management	3	HWST 107 Hawaii: Center of the Pacific	3
MKT 160 Advertising & Promotion	3	ECON 131 Principles of Economics - Macro	3
ENG 209 Business & Managerial Writing	3	Business elective [a,b]	3
Natural Science elective with lab	4	PSY 100 Survey of Psychology, or	
	16	SOC 100 Survey of General Sociology	3
			15

Grade C or better is required in all ACC, BUS, BLAW, MGT and MKT classes.

Note: Courses required for the Certificate of Achievement.
[a]*Note: Recommended Business electives are 6 credits from this list: ACC 132, ACC 252, ACC 255, BUS 125, BUS 193V, BUSN 261, MKT 285.*
[b]*Note: Bachelor degree-seeking students may take a Global Multicultural Perspective or a Natural Science instead of a Business elective.*

Business Technology

The Business Technology career ladder is competency based and focuses on the skills, knowledge, and attitudes needed to prepare for office positions in government or industry. The curriculum includes specialties, as well as general offerings, to broaden students' background and to enhance employment and promotion possibilities. The Business Technology umbrella offers credentials at four levels.

- Certificates of Competence (CO) cover skills prerequisite to the career ladder program for entry-level positions such as Receptionist, General Office Clerk, and Virtual Office Assistant. The Medical Office Specialist I prepares for medical assistant positions not requiring a degree.
- Certificate of Achievement (CA) prepares students for the more complex roles of Administrative Assistant, Computer Operator, Medical Secretary, or Medical Office Specialist.
- Associate in Applied Science (AAS) degree advances skills and provides focus in two specialty areas. The Information Processing specialty prepares for responsible positions using integrated word processing, database, and spreadsheet applications, as well as for nationally recognized office specialist certification exams. Medical Office Specialist II prepares for work in out-patient or in-patient environments in positions that require an AAS degree, including Medical Assistant, Doctor's Assistant, Medical Office Assistant, Clinical Assistant, and Health Unit Coordinator.

Grade C or better in each required course (excluding electives) must be attained to qualify for all certificates and degrees. Required courses completed through credit by examination with a CR grade may also be used toward Business Technology certificates and degrees.

Contact the Program Coordinator, Sanford Low, at 984-3305 or by email at sanfordl@hawaii.edu for more information.

Requirements for Certificates of Competence (CO):
Note: At least four of the required credits must be completed from UH Maui College courses. Up to five BUSN credits may be satisfied through pre-testing prior to registration, high school articulation or transcript evaluation, or by obtaining program coordinator consent.

Career Prep: 4 credits
Business Technology 166 or Interdisciplinary Studies 105C(1) — Business Technology 150 or ICS 101(3)

Business Technology: 16 credits
Business Technology 150 or ICS 101(3) — Business Technology 166(1), 170(3), 189(3)
Business Technology 161, Business 120, or Management 120(3) — English 100(3)

Medical Office Specialist I: 22 credits
Business Technology 150 or ICS 101(3) — Health 129(3)
Business Technology 161, Business 120, or Management 120(3) — Nursing 100(6)
Business Technology 193v(1) — Biology 100(3), English 100(3)[5]

Virtual Office Assistant: 23 credits
Business Technology 150 or ICS 101(3) — Accounting 124 or 201(3)
Business Technology 121 or 123(3) — Business Technology 151(3), 158(3), 159(3), 164(3), 193v(2)

Requirements for Certificate of Achievement (CA): 31 credits
All Business Technology CO courses(16), plus:
Business Technology 123(3), 151(3) — Business/Communication 130[2] or Communication 145(3)
BUSN 157 or ICS 205[2] or ICS 214[2](3) — English 209(3)

Requirements for Associate in Applied Science (AAS) Degrees:
Information Processing Specialty: 60-61 credits
All CA courses(31), plus:
Business Technology 110 or 261(3), 193v(2-3)*, 232(3), 292(3) — Social Science elective(3) - *100 or above ~ ECON 130(recommended)*
Accounting 124 or 201(3) — General Education elective(3) - *100 or above*
Natural Science elective(3) - *except PHYS 101* — Business electives[3](6) from Information Processing map

Medical Office Specialist II: 62 credits [6] *Students who earn this AAS degree also qualify for the Business Technology CO & CA by applying.*
All Medical Office Specialist I CO courses(22), plus:
Business Technology 123(3), 151(3), 166(1), 170(3), 185(3), 189(3), 193v(2), 292(3) — Business/Communication 130 or Communication 145(3)
Accounting 124 or 201(3) — English 209(3)
Pharmacology 105(1), 106(3), 107(3) — Social Science elective(3) - *100 or above*

Information Processing full-time students would take courses in this sequence:

CO - Business Technology

First Semester (Fall)	Credits
BUSN 150 or ICS 101	3
BUSN 161, BUS 120, or MGT 120	3
BUSN 166 Professional Employment Preparation	1
BUSN 170 Records & Information Management	3
BUSN 189 or MATH 100[2] or MATH 115[1]	3
ENG 100[2] Composition I	3
	16

CA - Business Technology

Second Semester (Spring)	Credits
BUSN 123 Word Processing for Business	3
BUSN 151 Intermediate Business Computing	3
BUSN 157 or ICS 205[2] or ICS 214[2]	3
BUS/COM 130[2] Business Communication-Oral, or	
COM 145 Interpersonal Communication I	3
ENG 209 Business & Managerial Writing	3
	15

AAS - Information Processing Specialty

Third Semester (Fall)	Credits
ACC 124 or ACC 201	3
BUSN 110 or BUSN 261	3
BUSN 193v Business Technology Coop Education	2-3
BUSN 232 Business Computer Spreadsheets	3
Social Science elective or ECON 130[2]	3
	14-15

Fourth Semester (Spring)	Credits
BUSN 292 Integrated Office Procedures	3
Natural Science elective	3
General Education elective or HWST 107[2]	3
Business elective[3]	3
Business elective[3]	3
	15

[3]Business electives from this list, or other approved course: ACC 201; BLAW 200; BUSN 110, 158, 159, 237, 261; ICS 205, 214.

Medical Office Specialist I (CO) and Medical Office Specialist II (AAS) full-time students would take this sequence.[3]

First Semester (Fall)	Credits
*BUSN 161, BUS 120, or MGT 120	3
*NURS 100 Nurse Assistant	6
BUSN 123 Word Processing for Business	3
*ENG 100 Composition I[5]	3
	15
Summer Session (6 weeks)	
BUSN 193v Business Technology Coop Education	1

Second Semester (Spring)	Credits
*BUSN 150 or ICS 101	3
*HLTH 129 Terminology for Health Careers	3
*BIOL 100 Human Biology - *Natural Science elective*	3
BUSN 166 Professional Employment Preparation	1
BUSN 170 Records & Information Management	3
BUSN 189 Business Mathematics	3
	16

Third Semester (Fall)	Credits
ACC 124 Principles of Accounting I, or	
ACC 201 Introduction to Financial Accounting	3
BUSN 151 Intermediate Business Computing	3
*BUSN 193v Business Technology Coop Education	2
BUS/COM 130 Business Communication-Oral, or	
Communication 145 Interpersonal Communication I	3
ENG 209 Bus & Managerial Writing - *Humanities elective*	3
	14

Fourth Semester (Spring)	Credits
BUSN 185 Processing Physician Orders	3
BUSN 292 Integrated Office Procedures	3
PHRM 105 Administration of Medications	1
PHRM 106 Intro Pharmacy Technology	3
PHRM 107 Pharmacology and Treatment of Diseases	3
Social Science elective *100 or above*	3
	16

*Note: Either 2 or 3 credits are required depending on prior work experience as approved by a counselor or program coordinator.
[1]Note: Recommended for UHWO PUBA degree seeking students.
[2]Note: Recommended for bachelor's degree seeking students.
[3]Note: Bachelor degree-seeking students may take a General Education requirement.
[4]Note: Courses required for Med Off Spec I (CO).
[5]Note: ENG 22 may be substituted for the Med Off Spec I certificate for those not going on to the Med Off Spec II degree.
[6]Note: Med Off Spec II AAS grads may receive Business Technology CO & CA by applying.

Construction Technology

The Construction Technology program prepares students in general building construction and maintenance of large or small structures. It allows students to explore different trades prior to selecting a specialization.

Students with current industry certifications or training may receive "credit" and no grade for specific courses per the policy Credit for Non-Collegiate Instruction in the UHMC General Catalog.

☙ Contact the Program Coordinator, Clifford Rutherford, at (808) 984-3246 or by email at crutherf@hawaii.edu for more information.

Requirements for Certificate of Professional Development (CPD):

Welding for Trades: 3 credits   WELD 119D(3)

Safety: 2 credits OSH 100(1), 110(1)

Requirements for Certificate of Competence (CO): 11-13 credits

Sustainable Technology: *one course from each group*

ENRG 101 or SSM 101(3) *(Sustainability)*

ENRG 103 or SSM 275(3) *(Renewable Energy)*

SSM 201(3) *(Green Building)*

One of the following: AEC 110(4); BLPR 101(3); ICS 161(3);
     MAIN 150(2), 165(2), or 170(2) *(Drafting/Construction)*

Requirements for Certificate of Competence (CO): 16 credits

Carpentry 120(3)

Electricity 100(3)

Energy 101(3)

Facilities Management 100(2)

MATH 100 or higher, or BUSN 189(3)**

Occupational Safety & Health 100(1), 110(1)

Requirements for Certificates of Competence (CO): 5-10 credits

Air Conditioning Maintenance: 5 credits	MAIN 165(2), 166(1), 167(2)
Basic Carpentry Skills: 6 credits	CARP 120(3), 121(3)
Basic Drafting Skills: 7 credits	AEC 110(4), BLPR 101(3)
Electrical Maintenance: 5 credits	ELEC 100(3), 110(2)
Energy Production: 6 credits	ENRG 101(3), 103(3)
Facilities Management: 10 credits	FMGT 100(2), 120(3), 200(3), 201(2)
Maintenance Painting: 4 credits	FMGT 100(2), MAIN 140(2)
Maintenance Plumbing: 6 credits	FMGT 100(2), MAIN 150(2), 155(2)
Rough & Finish Carpentry: 6 credits	CARP 121(3), 122(3)
Small Equipment Repair: 7 credits	ELEC 100(3), FMGT 100(2), MAIN 160(2)

Requirements for Certificate of Achievement (CA) Building Maintenance & Construction: 37 credits

Architectural Engineering & CAD Tech 110(4)

Blueprint 101(3)

Carpentry 120(3), 121(3), and 122(3)

Electricity 100(3) and 110(2)

Facilities Management 100(2)

Maintenance 130(2), 140(2), and 150(2)

Occupational Safety & Health 100(1) and 110(1)

English 100 or 106(3)*

MATH 100 or higher or BUSN 189(3)**

Requirements for Certificate of Achievement (CA) Facilities Mechanical: 37 credits

Blueprint 101(3)

Electricity 100(3) and 110(2)

Energy 101(3) and 103(3)

Facilities Management 100(2)

Maintenance 150(2), 155(2), 160(2), 165(2), 166(1), 167(2), and 170(2)

Occupational Safety & Health 100(1) and 110(1)

English 100 or 106(3)*

MATH 100 or higher or BUSN 189(3)**

Requirements for Certificate of Achievement (CA) Facilities Management: 37 credits

Blueprint 101(3)

Electricity 100(3)

Energy 101 or SSM 101(3)****

Energy 103 or SSM 275(3)****

Facilities Management 100(2), 120(3)***, 200(3), and 201(2)

Business Law 200(3)

Economics 120, 130, or 131(3)

Sustainable Science Management 201(3)

English 209 or 210(3)*

MATH 103 *(recommended)*, or 115(3)**

Requirements for Associate in Applied Science (AAS) Degree: 63-66 credits

Completion of any Construction Technology CA(37), plus:

BUS/COM 130, or COM 145, or SP 151 or 251(3)

ICS 101 or BUSN 150(3)

Cooperative Education 193v(2) - *in the appropriate alpha*

Technical electives(6)

Humanities elective(3) - *100 or above*

Natural Science elective(3) *100 or above*

Social Science elective(3) - *100 or above*

*Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on for the AAS degree.

**Note: MATH 75X/82 may be substituted for the Certificate of Achievement or Competence for those not going on for the AAS degree.

***Note: BUS 120 may be substituted FMGT 120.

****Note: SSM 101, SSM 201, and SSM 275 recommended to meet UH West Oahu lower division general education requirements and ICS 111 and ICS 184 recommended as technical electives for students wishing to pursue the UH West Oahu BAS-FMGT.

Full-time students in the Building & Construction concentration of the AAS would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
CARP 120 Basic Carpentry Skills	3	BLPR 101 Blueprint & Drafting Foundations	3
FMGT 100 Intro to Building Maintenance & Construction	2	CARP 121 Framing and Exterior Finish	3
ICS 101 or BUSN 150	3	ELEC 100 Survey of Electrical Math & Physics	3
ENG 100 or 106	3	MAIN 150 Plumbing I	2
Mathematics 100 or higher, or BUSN 189***	3	BUS/COM 130, or COM 145; or SP 151 or 251	3
	14		14
Third Semester (Fall)		**Fourth Semester (Spring)**	
AEC 110 Basic AutoCAD	4	Cooperative Education 193v(2) - *in the appropriate alpha*	2
CARP 122 Interior Finish	3	Technical electives - *Building and Construction concentration*[a]	6
ELEC 110 Residential and Light Commercial Wiring	2	Humanities elective - *100 or above*	3
MAIN 130 Masonry	2	Natural Science elective - *100 or above*	3
MAIN 140 Painting & Decorating	2	Social Science elective - *100 or above*	3
OSH 100 First Aid and OSH 110 OSH for Construction	1,1		17
	15		

[a]*Note: Technical electives for the Building & Construction Concentration: AG 235(3), ENRG 101(3) or 103(3); FMGT 120(3)****, 200(3) or 201(2); MAIN 155(2), 160(2), 165(2), 166(1), 167(2) or 170(2); SSM 101(3), 201(3) or 275(3); WELD 119D(1).*

Full-time students in the Facilities Mechanical concentration of the AAS would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
FMGT 100 Intro to Building Maintenance & Construction	2	BLPR 101 Blueprint & Drafting Foundations	3
ICS 101 or BUSN 150	3	ELEC 100 Survey of Electrical Math & Physics	3
Technical electives - *Facilities Mechanical concentration*[b]	4	ENRG 101 Intro to Sustainable Technology	3
ENG 100 or 106	3	MAIN 150 Plumbing I	2
Mathematics 100 or higher, or BUSN 189**	3	MAIN 170 Preventive Maintenance	2
	15	BUS/COM 130, or COM 145; or SP 151 or 251	3
			16
Third Semester (Fall)		**Fourth Semester (Spring)**	
ELEC 110 Residential and Light Commercial Wiring	2	MAIN 155 Plumbing II	2
ENRG 103 Energy Production Systems	3	MAIN 167 HVACR System Design and Controls	2
MAIN 160 Small Equipment Repair	2	Cooperative Education 193v - *in the appropriate alpha*	2
MAIN 165 Air Conditioning & Refrigeration	2	Humanities elective - *100 or above*	3
MAIN 166 HVACR Refrigerant Recovery	1	Natural Science elective - *100 or above*	3
OSH 100 First Aid and OSH 110 OSH for Construction	1,1	Social Science elective - *100 or above*	3
Technical electives - *Facilities Mechanical concentration*[b]	2		15
	14		

[b]*Note: Technical electives for the Facilities Mechanical Concentration: AEC 110(4); AG 235(3); CARP120(3), 121(3) or 122(3); ENRG 101(3) or ENRG 103(3); FMGT 120(3)****, 200(3) or 201(2); MAIN 130(2), or 140(2); SSM 101(3), 201(3) or 275(3); WELD 119D(1).*

Full-time students in the Facilities Management concentration of the AAS would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
ENRG 101 or SSM 101*****	3	BLPR 101 Blueprint & Drafting Foundations	3
FMGT 100 Intro to Building Maintenance & Construction	2	ELEC 100 Survey of Electrical Math & Physics	3
ICS 101 or BUSN 150	3	ENRG 103 or SSM 275*****	3
ENG 209 or 210*	3	FMGT 120 Introduction to Project Management****	3
Mathematics 103(*recommended*) or 115**	3	BUS/COM 130, or COM 145; or SP 151 or 251	3
	14		15
Third Semester (Fall)		**Fourth Semester (Spring)**	
FMGT 200 Mechanical Systems Design & Construction	3	FMGT 201 Facilities Operation and Leadership	2
BLAW 200 Legal Environment of Business	3	Technical electives - *Facilities Management concentration*[c]	4
ECON 120, 130 or 131	3	Humanities elective - *100 or above*	3
SSM 201 Sustainable Building Design*****	3	Natural Science elective - *100 or above*	3
Cooperative Education 193v - *in the appropriate alpha*	2	Social Science elective - *100 or above*	3
Technical electives - *Facilities Management concentration*[c]	2		15
	16		

[c]*Note: Technical electives for the Facilities Management Concentration: AEC 110(4); AG 235(3); ELEC 110(2); ENRG 101(3) or 103(3); ICS 111 or ICS 184*(3)****; MAIN 150(2), 155(2), 160(2), 165(2), 166(1), 167(2) or 170(2); OSH 100(1) or OSH 110(1); SSM 101(3)***** or SSM 275(3)*****.*

Creative Media

Creative Media is commercial art: the convergence of art, technology, and commerce. The Academy for Creative Media Maui incorporates story-telling, media & cinema analysis, screenwriting, graphic design, photography, video, audio, motion graphics, animation, marketing, publicity, and journalism. We emphasize foundational knowledge and skills, understanding of intellectual property and ethical concerns, and best practices int he field to foster professional attitudes for success in advertising, web marketing, publishing, motion picture and television production, program-ming, and more. Students enjoy project-based growth experiences that elevate critical thinking and awareness of related industries and vast career possibilities for commercial artists.

Our general Creative Media Associate of Science (AS) degree consists of core classes, general education, and nine credits of approved specialization electives. To develop a focused skill-set students are encouraged to commit to a pathway in Graphic Design, Filmmaking, or Web Development. Additionally, thirty-credit Certificates of Achievement (CA) exist for each discipline, and are also attained in the organic pursuit of the AS.

Majors are required to earn a letter grade of C or better for core and specialization courses, to prepare students for the job market, as entrepreneurs, or continuation to a four-year degree. Students planning a transfer should consult a counselor about requirements for entrance into that school. Notably, an articulation agreement with UH West Oahu allows AS graduates the opportunity to pursue a Bachelor of Arts (BA).

✋ Contact Program Coordinator Brian Kohne (984-3315, bkohne@hawaii.edu) for info.

Requirements for Certificate of Achievement (CA) : credits

Core courses required for CA programs: 18 credits

Creative Media 105(3), 123(3), 152(3)
Information & Computer Science 101(3)

English 100(3)
Mathematics 100, 103, 115, 135 or higher(3)

Creative Media (CA): 30 credits

All Core courses(18), plus:
Art 107D or 115(3)
Creative Media 120(3), 125(3), 147(3)

Filmmaking (CA): 30 credits

All Core courses(18), plus:
Art 107D(3)
Creative Media 119(3), 120(3), 147(3)

Graphic Design (CA): 30 credits

All Core courses(18), plus:
Art 107D(3), 115(3)
Creative Media 125(3), 147(3)

Web Development (CA): 30 credits

All Core courses(18), plus:
Art 107D(3)
Creative Media 125(3)
Information & Computer Science 110(3), 200(3)

Requirements for Associate in Science (AS) Degree: 60-61 credits

Creative Media (AS): 60-61 credits

All CA Creative Media courses(30), plus:
Creative Media 175(3), 285(3)
COM 145, SP 151, or SP 251(3)
English 104 or 210(3)[a]
Hawaiian Studies 107(3)
Marketing 160(3)
Natural Science elective(3-4)
Specialization electives(9)**

Filmmaking (AS): 60-61 credits

All CA Filmmaking courses(30), plus:
Creative Media 139 or 146 or 148(3), 175(3), 220(3), 252(3), 285(3)
COM 145, SP 151, or SP 251(3)
English 204C(3)[a]
Marketing 160(3)
Natural Science elective(3-4)
Specialization elective(3)**

Graphic Design (AS): 60-61 credits

All CA Graphic Deisgn courses(30), plus:
Creative Media 139 or 144(3), 175(3), 180(3), 225(3), 285(3)
COM 145, SP 151, or SP 251(3)
English 104, 210, 204C, or Journalism 205(3)[a]
Marketing 160(3)
Natural Science elective(3-4)
Specialization elective(3)**

Web Development (AS): 60-61 credits

All CA Web Development courses(30), plus:
Creative Media 139 or 144(3), 147(3), 175(3), 180(3), 285(3)
COM 145, SP 151, or SP 251(3)
English 104, 210, 204C, or Journalism 205(3)[a]
Marketing 160(3)
Natural Science elective(3-4)
Specialization elective(3)**

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[a]*Note: 3 Credits must be WI(Writing Intensive).*
Note: Courses required for the Certificate of Achievement.
**Specialization electives: ART 107, 115; BUS 125, 320; BUSN 158; CM 119, 120, 125, 139, 144, 146, 148, 180, 220, 225, 252; ENG 104, 204C, 210; ICS 110, 111, 200, 272, 320; ENG 104, 204C, 210; JOUR 250; MKT 300; MUS 271, 272.*

Full-time students in the Creative Media concentration would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*ART107D or 115	3	*CM125 Intro Graphic Design	3
*CM 105 Storytelling: Find Your Voice in CM	3	*CM147 Mass Media and Culture	3
*CM 123 Photoshop & Illustrator	3	*CM 152 Principles of Video Editing	3
*ENG 100 Composition I	3	COM 145, SP 151 or 251	3
*ICS 101 Digital Tools for the Information World	3	*MATH 100, 103, 115, 135 or higher	3
	15		15
Third Semester (Fall)		**Fourth Semester (Spring)**	
*CM 120 Intro Digital Video	3	CM 285 Creative Media Capstone	3
CM 175 Motion Graphics & Animation	3	HWST 107 Hawaii Center of the Pacific	3
ENG 104 or 210 *(WI)*[a]	3	Natural Science elective	3-4
MKT 160 Advertising & Promotion	3	Specialization elective**	3
Specialization elective**	3	Specialization elective**	3
	15		15-16

Full-time students in the Graphic Design concentration would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*ART107D Intro Digital Photo	3	*ART 115 Intro 2D Design	3
*CM 105 Storytelling: Find Your Voice in CM	3	*CM147 Mass Media and Culture	3
*CM 123 Photoshop & Illustrator	3	*CM 152 Principles of Video Editing	3
*ENG 100 Composition I	3	COM 145, SP 151 or 251	3
*ICS 101 Digital Tools for the Information World	3	*MATH 100, 103, 115, 135 or higher	3
	15		15
Third Semester (Fall)		**Fourth Semester (Spring)**	
*CM 125 Intro Graphic Design	3	CM 180 Inter Web Technology	3
CM 139 or 144 Media Analysis:(topic)	3	CM 225 Inter Graphic Design	3
CM 175 Motion Graphics & Animation	3	CM 285 Creative Media Capstone	3
ENG 104, 210, 204C or JOUR 250 *(WI)*[a]	3	Natural Science elective	3-4
MKT 160 Advertising & Promotion	3	Specialization elective**	3
	15		15-16

Full-time students in the Filmmaking concentration would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*ART107D Intro Digital Photo	3	*CM 119 Movies from Script to Screen	3
*CM 105 Storytelling: Find Your Voice in CM	3	*CM147 Mass Media and Culture	3
*CM 123 Photoshop & Illustrator	3	*CM 152 Principles of Video Editing	3
*ENG 100 Composition I	3	COM 145, SP 151 or 251	3
*ICS 101 Digital Tools for the Information World	3	*MATH 100, 103, 115, 135 or higher	3
	15		15
Third Semester (Fall)		**Fourth Semester (Spring)**	
*CM 120 Intro Digital Video	3	CM 220 Inter Video Production	3
CM 139, 146, or 148 Media Analysis:(topic)	3	CM 252 Inter Video & Audio Editing	3
CM 175 Motion Graphics & Animation	3	CM 285 Creative Media Capstone	3
ENG 204C Screenwriting *(WI)*[a]	3	Natural Science elective	3-4
MKT 160 Advertising & Promotion	3	Specialization elective**	3
	15		15-16

Full-time students in the Web Development concentration would take courses in this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*ART107D Intro Digital Photo	3	CM 147 Mass Media and Culture	3
*CM 105 Storytelling: Find Your Voice in CM	3	*CM 152 Principles of Video Editing	3
*CM 123 Photoshop & Illustrator	3	COM 145, SP 151 or 251	3
*ENG 100 Composition I	3	*ICS 110 Intro Computer Programming	3
*ICS 101 Digital Tools for the Information World	3	*MATH 100, 103, 115, 135 or higher	3
	15		15
Third Semester (Fall)		**Fourth Semester (Spring)**	
*CM 125 Intro Graphic Design	3	CM 180 Inter Web Technology	3
CM 139 or 144 Media Analysis:(topic)	3	CM 285 Creative Media Capstone	3
CM 175 Motion Graphics & Animation	3	MKT 160 Advertising & Promotion	3
ICS 200 Web Technology	3	Natural Science elective	3-4
ENG 104, 210, 204C or JOUR 250 *(WI)*[a]	3	Specialization elective**	3
	15		15-16

Culinary Arts

The Culinary Arts career-ladder program is based on three levels of competencies offered in two specialty areas: Culinary Arts and Baking. The competency-based instruction focuses on skills, knowledge, and attitudes needed for success in the hospitality industry.

Lab requirements include basic hand tools, knives, safety shoes, books, appropriate uniforms, proof of negative TB test, and compliance with culinary personal hygiene code requirements. Both the Culinary Arts and Baking Associate in Applied Science specialty degrees are fully accredited by the ACFEFAC (American Culinary Federation Education Foundation Accrediting Commission). Minimum placement test levels of English 22 and Mathematics 75X are required for all incoming Culinary Arts students. It is strongly recommended that prospective students meet with Culinary Arts advisors before entry into Culinary Arts courses.

For information regarding appropriate purchase of program approved standard uniforms, shoes, and knife sets, contact the culinary arts counselor. Culinary majors are assessed $180 per term (prorated for part-time).

✋ Contact the Program Coordinator, Teresa Shurilla, at 984-3683 or by email at shurilla@hawaii.edu for more information.

Requirements for Certificates of Competence (CO):

Culinary Arts: 19 credits   Culinary 120(5), 130(5), 132(5), 271(4)

Pastry Cook: 20 credits   Culinary 150(5), 155(5), 250(5), 251(5)

Requirements for Certificate of Achievement (CA) - Culinary Arts: 31 credits

Culinary 111(2), 112(2), 120(5), 130(5), 132(5),   Culinary 100 or Mathematics 100 or 103(3)
    150(5), 191(1)   English 100(3)*

Requirements for Associate in Applied Science (AAS) Degrees:

Culinary Arts: 67 credits

All Culinary Arts CA courses(31), plus:
Culinary 115(2), 160(5), 220(5), 240(3), 271(4), 291(2)   BUS/COM 130, COM 145, or SP 151(3)
Management 124(3)   Humanities elective(3) - *100-level*
Food Science & Human Nutrition 185 or 285(3)   Social Science elective(3) - *100-level*

Baking: 77 credits

All Pastry Cook CO courses(20), plus:
Culinary 111(2), 112(2), 120(5), 130(5), 132(5), 160(5),   Humanities elective(3) - *100-level*
    220(5), 271(4), 191(1), 291(2)   Social Science elective(3) - *100-level*
Management 124(3)   Culinary 100 or Mathematics 100 or 103(3)
Food Science & Human Nutrition 185 or 285(3)   English 100(3)*
BUS/COM 130, COM 145, or SP 151(3)

Culinary Arts full-time students would take courses in sequence:

First Semester	Credits	Second Semester	Credits
*CULN 111 Introduction to the Culinary Industry	2	*CULN 130 Intermediate Cookery	5
*CULN 112 Sanitation and Safety	2	*CULN 132 Batch Cookery	5
*CULN 120 Fundamentals of Cookery	5	BUS/COM 145, 130, or SP 151	3
*CULN 150 Fundamentals of Baking	5	*CULN 191 Catering Field Experience	1
*CULN 100, or MATH 100 or 103	3	*ENG 100 Composition I	3
	17		17

Summer	Credits
CULN 291 Culinary Field Experience	2

Third Semester	Credits	Fourth Semester	Credits
CULN 160 Dining Room Service	5	CULN 240 Garde Manger	3
CULN 220 Advanced Cookery	5	CULN 271 Purchasing and Cost Controls	4
CULN 115 Menu Merchandising	2	FSHN 185 or 285	3
MGT 124 Human Resources Management	3	Social Science elective - *100-level*	3
Humanities elective - *100-level*	3		13
	18		

Baking full-time students would take courses in this sequence:

First Semester	Credits	Second Semester	Credits
*CULN 111 Intro to the Culinary Industry	2	*CULN 130 Intermediate Cookery	5
*CULN 112 Sanitation & Safety	2	*CULN 132 Batch Cookery	5
*CULN 120 Fundamentals of Cookery	5	*CULN 191 Catering Field Experience	1
*CULN 150 Fundamentals of Baking**	5	COM 145, BUS/COM 130, or SP 151	3
*CULN 100, or MATH 100 or 103	3	*ENG 100 Composition I	3
	17		17

Summer	Credits		
CULN 155 Intermediate Baking**	5	CULN 291 Culinary Field Experience	2

Third Semester	Credits	Fourth Semester	Credits
CULN 160 Dining Room Service	5	CULN 251 Advanced Baking II**	5
CULN 220 Advance Cookery	5	CULN 271 Purchasing and Cost Controls	4
CULN 250 Advanced Baking I**	5	MGT 124 Human Resources Management	3
Humanities elective - *100-level*	3	FSHN 185 or 285	3
	18	Social Science elective - *100-level*	3
			18

Note: Courses required for the Certificate of Achievement.

**Note: Courses required for the Pastry Cook Certificate of Competence.*

Dental Hygiene

The Dental Hygiene program is a four semester and one summer session program within a cohort that prepares individuals to work in general and specialty dental offices, and public health agencies. Emphasis is placed on the correlations among prevention, education, and the clinical phases of dental hygiene practice as well as basic and social sciences. The curriculum is organized in accordance with requirements of the American Dental Association Commission on Dental Accreditation for a Dental Hygiene program and with consultation from the Maui County Dental Association. The Dental Hygiene program is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Council of Postsecondary Accreditation and the United States Department of Education. Graduates are eligible to take the National Board of Dental Hygiene Exam, National Clinical Examination, and apply for licensure with the Hawai'i Board of Dental Examiners.

The following minimum prerequisite courses (19 credits) are required of students entering the Dental Hygiene program: ENG 100(3); MATH 100, 103, or 115(3); MICR 130(3) and 140(2); PHYL 141/141L(3,1) and 142/142L(3,1), all with grade C or better. General Education AS credits (*see below*) may be completed early to reduce course load and be more competitive in the selection process. Science lecture courses required for admission have a 10-year time limit, which must be completed within the last 10 years prior to application deadline. A "lab" course (e.g., PHYL 141L, 142L) does not have a time limit, and may be repeated online in the UH system as a 3-credit lecture-only course.

Admission is every other year: application deadline for the next Fall Cohort is 1 May of that year. Admission to UHMC does not guarantee admission to the Dental Hygiene program. Courses may be repeated twice to raise a grade, with the higher grade used for admission purposes. The application process includes an interview and writing exercise. In the event of a tie *(students with same points on Program Application)*, the student with the highest GPA is offered admission to the program based on our preadmission courses- pre-requisites and general education courses. All qualified Hawaii State residents will be considered before any qualified non-resident. Dental Hygiene majors are assessed a professional fee of $500 per semester. Visit the UH Maui College dental website at *maui.hawaii.edu/dental*

❧ Contact the Program Coordinator, Rosie Vierra, at 984-3313 or by email at rivierra@hawaii.edu for information.

Requirements for Associate in Science (AS) Degree: 85 credits

All prerequisite courses(19) cited above, plus:
Dental Hygiene 150(2), 153(2), 155(1), 156(3), 158(2), 252(1), 252L(2), 254(3), 255(2), 256(2), 257(2), 258(2), 260(4), 261(2), 262(5), 263(5), 264(2), 265(1), 266(2), 267(3)
Biochemistry 241 → 141 (3)

Food Science & Human Nutrition 285(3)
Pharmacology 203(3)
Psychology 100(3) and Sociology 100(3)
Humanities: Speech 151 or Communication 130(3)

Grade C or better is required in all General Education and didactic Dental Hygiene courses, and Grade B or better in all clinical DH courses.

Cohort takes courses in this sequence: *Parenthesis show General Education courses recommended to be taken beforehand.*

First Semester (Fall)	Credits
DH 150 Oral Histology & Embryology	2
DH 153 Assessment Procedures in Dental Hygiene	2
DH 155 Dental Emergencies	1
DH 156 Pre-Clinical Dental Hygiene	3
DH 158 Anatomical Sciences	2
DH 254 Pathology in DH & Special Patient Populations	3
DH 267 Dental Radiology & Interpretation	3
BIOC 141 Fundamentals of Biochemistry	(3)
PHRM 203 General Pharmacology	(3)
	(6) 16

Second Semester (Spring)	Credits
DH 252 Dental Materials	1
DH 252L Dental Materials Lab	2
DH 255 Oral Pathology in Dental Hygiene	2
DH 256 Applied Pharmacology in Dentistry	2
DH 257 Periodontics 1 & Advanced Clinical Techniques	2
DH 260 Clinical Dental Hygiene 1	4
FSHN 285 The Science of Human Nutrition	(3)
SP 151 or COM 130 - *Humanities*	(3)
	(6) 13

Summer Session (6 weeks)	Credits
DH 261 Clinical Dental Hygiene 2	2
DH 266 Local Anesthesia and Pain Control	2
	4

Third Semester (Fall)	Credits
DH 258 Periodontics 2 & Advanced Clinical Techniques	2
DH 262 Clinical Dental Hygiene 3	5
DH 264 Community Dental Health	2
PSY 100 Survey of Psychology	(3)
SOC 100 Survey of General Sociology	(3)
	(6) 9

Fourth Semester (Spring)	Credits
DH 263 Clinical Dental Hygiene 4	5
DH 265 Law & Ethics in Dental Hygiene	1
	6

Note: DH graduates with baccalaureate goals are eligible for the UHWO BA in Public Administration - Health Care Administration concentration.

Early Childhood Education

The Early Childhood Education program is designed to prepare students to work with young children from birth to 5 and their families. The curriculum is organized around a core of courses that provide skills and knowledge needed by early childhood educators. This Associate in Science is accredited by the National Association for the Education of Young Children and articulates into the UH West Oahu Bachelor in Social Science, Early Childhood Education concentration. Students who have a current CDA (Child Development Associate) credential (without ECED 190 credit) may apply for 4 credits of ECED 193/194 *Early Childhood Field Experience 1A/1B* after taking 12 credits of UHMC courses. The student will receive "credit" and no grade for the class, per the policy *Credit for Non-Collegiate Instruction* in the UHMC General Catalog, p.80. See program coordinator to initiate the process.

✋ Contact the Program Coordinator, Julie Powers, at 984-3291 or by email at juliepow@hawaii.edu for a careful selection of courses.

Requirements for Certificates of Competence (CO)

Preschool Child Development Associate: 9 credits
ECED 105(3), 110(3), 131(3)
2.0 GPA required in courses taken for CO.
CO fulfills only the education part of CDA - see program coordinator.

Early Childhood Education: 16 credits
ECED 105(3), 110(3), 131(3), 140(3), 193 or 194(4),[a]
2.0 GPA required in CO courses & grade C or better in each course.

Early Childhood Option: 12 credits from this list - *For those with bachelor degrees in any field other than ECED or ElemEd.*
ECED 105(3), 110(3), 115(3), 131(3), 140(3), 193(4), 194(4), 245(3), 263(3), 264(3), 275(3), or 295(4)
2.0 GPA required in CO courses & grade C or better in each course.

Requirements for Certificate of Achievement (CA): 38 credits

ECED 105(3), 110(3), 115(3), 131(3), 140(3),
ECED 193 or 194(4),[a] 245(3), 263(3), 264(3), 295(4)[a]

English 100(3)
Mathematics 100, 103, 115*(UHWO requirement)*, or 112*(UHM requirement)*(3)

Requirements for Associate in Science (AS) Degree: 62-63 credits

All CA courses(38), plus:
ECED 170 or ECED elective(3)
Human Services 110(3)
Art 101or MUS 253(3)
Communication 130, 145, or Speech 151(3)

HDFS 230 or PSY 240(3)
Humanities elective(3) - *HWST 107 recommended*
Natural Science elective(3-4) - *except PHYS 101*
English 210[b]or Global Multicultural Perspectives(FGA/B/C) or Natural Science(3)

Full-time students would take courses in this sequence: [d]

Students are strongly recommended to meet with program coordinator to plan course sequence.

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*ECED 105 Introduction to Early Childhood Ed	3	*ECED 115 Health, Safety, Nutrition for the Young Child	3
*ECED 110 Developmentally Appropriate Practices	3	*ECED 140 Guiding Young Children in Groups	3
*ECED 131 Early Childhood Development	3	ECED 170 Working with Infants & Toddlers or ECED elective	3
*ENG 100 Composition I	3	ART 101 or MUS 253	3
Humanities elective - *HWST 107(3) recommended*	3	*MATH 100 or higher	3
	15		15

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
*ECED 193/194 Early Childhood Field Experience IA or IB[a]	4	*ECED 264 Inquiry and Physical Curriculum	3
*ECED 245 Child, Family, Community	3	*ECED 295 Early Childhood Field Experience II[a]	4
*ECED 263 Language & Creative Expression Curriculum	3	HDFS 230 Human Development or PSY 240	3
HSER 110 Introduction to Human Services	3	Natural Science elective	3-4
COM 130, 145 or SP 151	3	ENG 210 or (FGA/B/C) or Nat. Sci [b]	3
	16		16-17

* Note: Courses required for the Certificate of Achievement.
[a] Note: Students may be required to obtain a physical or doctor's note, and to be fingerprinted, all at students' expense.
[b] Note: Students interested in a Bachelor of Education degree from UH Manoa may take a Global Multicultural Perspective or a Natural Science, instead of ENG 210.
[c] Note: SPED 304 strongly recommended for transfer to UH Manoa, Bachelor in Education PreK/SPED.

Electronic & Computer Engineering Technology

The Electronic & Computer Engineering Technology (ECET) program provides students with the skills and knowledge required for entry level employment within the high-technology industry as electronic /electro-optic technicians, renewable energy technicians, telecom technicians, and network system administrators. Students learn fundamental engineering concepts, computer programming, mathematics, and physics relevant to a wide variety of industries on Maui. Training, equipment, and supplies are provided for 3-D printing and circuit board fabrication. Software applications for circuit simulation, CAD, finite element analysis, and microprocessor control are utilized. The program requires written and verbal proficiencies and emphasizes laboratory competencies. Internship and job placement opportunities in a variety of engineering technology positions are provided. The ECET program also includes a Certificate of Competence (CO) and Certificate of Achievement (CA) in Information Security Specialist. The ECET AS degree is the required lower division pathway to the Bachelor of Applied Science (BAS) in Engineering Technology (ENGT). Courses that are prerequisites to the BAS require grade C or better.

Admission Process

Applications are reviewed on a first-come first-served basis. Complete all required steps: 1) Complete math and English placement tests (ECET courses require specific placement scores). 2) Contact Program Coordinator, Elisabeth Dubuit (edubuit@hawaii.edu, 984-3706) or Program Counselor Kulamanu Ishihara (vorhies@hawaii.edu, 984-3272) to schedule an application review session and create an academic plan of study.

✍ Contact Elisabeth Dubuit, at 984-3706 or by email at edubuit@hawaii.edu for more information.

Requirements for Certificate of Competence (CO) in Information Security Specialist: 12 credits
Prereq: ENG 22 and MATH 82, both with grade C or better (or placement to higher course); and consent.
Information & Computer Science 101(3), 169(3), 171(3), 184(3)

Requirements for Certificate of Achievement (CA) in Electronic & Computer Engineering Technology: 26 credits

Electronics 105(4), 106(4)   Mathematics 119(4)
Information & Computer Science 110(3), 111(4)   English 100(3)
Physics 105(4) - *Natural Science elective*

Requirements for Certificate of Achievement (CA) in Information Security Specialist: 24 credits

All CO Information Security Specialist courses(12) plus: English 100(3)
Information & Computer Science 281(3) and 282(3)   Mathematics 103 or 115(3)

Requirements for Associate in Science (AS) in Electronic & Computer Engineering Technology: 60- 61 credits

All CA courses(26), plus:
Electronics 161(3), 201(4), 205(4), 210(3), 212(3), 296(3)   Communication elective(3) - *100 or above*
Electronics 193v(1), 293v(1)   English 210(3) or ENG 225(3) - *Humanities elective*
ETRO 140(4) - *may be substituted with ICS 184(3)*   Social Science elective(3) - *100 or above*

Cohort takes courses in this sequence:

First Semester (Fall)	Credits
*ETRO 105 Circuit Analysis I	4
*ICS 110 Intro to Computer Programming***	3
*ENG 100 Composition I	3
*MATH 119****	4
Social Science elective - *100 or above*	3
	17

Second Semester (Spring)	Credits
*ETRO 106 Circuit Analysis II	4
*ICS 111 Intro to Computer Science I	4
*PHYS 105 Principles of Technology	4
Communication elective - *100 or above*	3
	15

Third Semester (Fall)	Credits
ETRO 140 or ICS 184 Networking	3-4
ETRO 193v Internship I	1
ETRO 201 Digital Computer Technology I	4
ETRO 210 Electronic Technology I	3
ENG 210 Research Writing** or ENG 225*****	3
	14-15

Fourth Semester (Spring)	Credits
ETRO 161 Intro Optics & Photonics	3
ETRO 205 Digital Computer Technology II	4
ETRO 212 Electronic Technology II	3
ETRO 293v Internship II	1
ETRO 296 Special Projects in ECET	3
	14

Note: Courses required for the Certificate of Achievement.
**Note: Prerequisite to the BAS in Engineering Technology. Students not planning to pursue the BAS may see program advisor about another course.*
***Note: The prerequisite/corequisite for ICS 110 is ICS 101(recommended) or BUSN 150.*
****Note: MATH 135 and MATH 140 may be substituted for MATH 119.*
*****Note: ENG 225 (Writing for Science & Technology) is recommended. It is also a prerequisite to the BAS in ENGT.*

Fashion Technology

The Fashion Technology program provides comprehensive training in apparel production and fashion design required by entrepreneurs and businesses in the fashion industry. The program develops technical skills required for job entry, retraining for the garment industry, and upgrading of sewing and pattern making skills for those already employed in the field.

Laboratory activities promote the development of skills in designing, pattern drafting, and construction of basic and advanced apparel. The use of industry equipment and sewing techniques are demonstrated in group instruction. When special techniques and problems are encountered, students are given specialized instruction.

☙ Contact the Program Coordinator, Cheryl Maeda, at 984-3292 or by email at maedache@hawaii.edu for more information.

Requirements for Certificates of Competence (CO):

Seamstress: 12 credits
Fashion Technology 25(3), 40(3), 113(3), 115(3)

Fashion-Fabric Salesperson: 12 credits
Fashion Technology 40(3), 93v(3), 111(3), 113(3)

Dressmaker: 18 credits - *Offered as needed*
Fashion Technology 60(3), 61(3), 113(3), 115(3),
   215(3), 216(3)

Requirements for Certificate of Achievement (CA): 36 credits

Fashion Technology 25(3), 40(3), 111(3), 113(3), 115(3),
   215(3), 216(3), 217(3), and 90v/190v/290v(3)
Fashion Technology 90v/190v/290v, or
   FT elective approved by program coordinator(3)

English 100 or 106(3)**
Business Technology 189 or Mathematics 100 or higher(3)***

Requirements for Associate in Applied Science (AAS) Degree: 60 credits

All CA courses(36), plus:

Accounting 124(3)
Marketing 120, BUSN 150, or ICS 101(3)
Business 125(3)
BUS/COM 130, COM 145, or SP 151 or 251(3)

Humanities elective(3)
Natural Science elective(3) - *except PHYS 101*
Social Science elective(3)
Fashion Technology or General Education elective(3)

Full-time students would take courses in this sequence:

First Semester (Fall)	Credits
*FT 111 Art and Design in Fashion	3
*FT 113 Clothing Construction Methods I	3
*FT 115 Clothing Construction Methods II	3
*MATH 100 or higher, or BUSN 189	3
FT elective or General Education elective	3
	15

Second Semester (Spring)	Credits
*FT 25 Ready-to-Wear Clothing Production	3
*FT 216 Fashion Design & Sketching	3
ACC 124 Principles of Accounting I	3
BUS 125 Starting a Business	3
*ENG 100 or 106	3
	15

Third Semester (Fall)	Credits
*FT 40 Fabric Analysis	3
*FT 90v/190v/290v Special Topics	3
MKT 120, BUSN 150, or ICS 101	3
Natural Science elective	3
Social Science elective	3
	15

Fourth Semester (Spring)	Credits
*FT 90v/190v/290v or FT elective	3
*FT 215 Flat Pattern Making I	3
*FT 217 Flat Pattern Making II	3
BUS/COM 130, COM 145, SP 151, or SP 251	3
Humanities elective	3
	15

   * *Note: Courses required for the Certificate of Achievement.*
   ** *Note: ENG 22 may be substituted for the Certificate of Achievement for those not going on for the AAS degrees.*
   *** *Note: MATH 75X/82 may be substituted for the Certificate of Achievement for those not going on for the AAS degrees.*

Hospitality & Tourism

The mission of the Hospitality & Tourism program is to prepare students for effective work performance and leadership in the hospitality industry through learning experiences that emphasize Hawaiian culture, multicultural "global" awareness, sustainability, an ethical decision making. Accredited by the Accreditation Commission for Program in Hospitality Administration (ACPHA), the program is organized with a core of courses focusing on various aspects of the hotel industry, enveloped by a variety of business and general education courses to broaden the students' background and enhance employability.

Students planning to transfer to baccalaureate degree programs should see a counselor about the requirements for entrance to these programs. A grade of C or better in HOST courses is required for the CO, CA, and AAS degree. A minimum 2.0 GPA is required.

ꝰ Contact the Program Coordinator, Dr. Liping Liu at 984-3328 or by email at LipingL@hawaii.edu for more information.

Certificate of Competence (CO): 12 credits

Hospitality & Tourism 100(3), 150(3), 152(3), and 154(3)

Certificate of Achievement (CA): 33 credits

All CO courses (12) plus

Hospitality & Tourism 101(3)	Hawaiian Studies 100BCD(3) - *Humanities*
Hospitality & Tourism 293 or 294(3)	Information & Computer Science 101(3)
Management 124(3)	English 100(3)
	MATH 115 recommended, or MATH 103, or 135 *(or higher)* (3)

Requirements for Associate in Applied Science (AAS) Degree: 63 -64 credits

All CA courses (33) plus

Hospitality & Tourism 258(3), 280(3)	Business 130 or Speech 151(3)
Hospitality & Tourism 260 or Business Law 200(3)	Economics 130(3)
Hospitality & Tourism 261 or Economics 131(3)***	Natural Science elective and Lab**(3-4)
Accounting 201(3), 202(3)	English 209(3)

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*HOST 100 Career & Customer Service Skills	3	*HOST 152 Front Office Operations	3
*HOST 101 Intro to Hospitality & Tourism	3	*MGT 124 Human Resources Management	3
*HOST 150 Housekeeping Operations	3	*ICS 101 Digital Tools for the Information World	3
*HOST 154 Food & Beverage Operations	3	*HWST 100BCD Intro to Hawaiian Culture - *Humanities*	3
*ENG 100 Composition I	3	*MATH 115 Intro to Statistics & Probability *(recommended)*,	
	15	or MATH 103, or 135 (or higher)	3
			15

Summer Session	
*HOST 290 Hospitality and Tourism Internship,	3
or HOST 294 Hospitality Internship Abroad	

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
HOST 258 Hospitality Marketing	3	HOST 260 Hospitality Law or BLAW 200	3
ACC 201 Intro to Financial Accounting	3	HOST 261 Event Management or ECON 131***	3
ECON 130 Principles of Economics: Microeconomics	3	HOST 280 Hospitality Management	3
ENG 209 Business and Managerial Writing	3	ACC 202 Intro to Managerial Accounting	3
BUS 130 Business Communications - Oral		Natural Science elective and Lab**	3-4
or SP 151 Personal & Public Speech	3		15-16
	15		

Note: Courses required for the Certificate of Achievement.
**Note: Bachelor degree-seeking students are recommended to take both Natural Science Lecture and Lab courses.*
***Note: ECON 131 is the recommended elective for Bachelor degree-seeking students.*

Human Services

The Human Services program prepares graduates to enter the social service workforce with the professional attitudes, skills, and knowledge necessary to succeed. The program also provides specialized academic certificates for majors and those in the workforce seeking advancement in their field of specialization. The AS in Human Services with the Certificates of Competence in Substance Abuse Counseling I and II fulfill the Dept. of Health, Alcohol and Drug Abuse Division (ADAD) educational requirements for Certified Substance Abuse Counselor (CSAC). These certificates also qualify for 2000 of the 6000-hour fieldwork requirement for CSAC. *Human Services majors are required to earn a letter grade of C or better (or credit-by-exam) for each HSER and CHW course.*

✍ Contact the Program Coordinator, Selene LeGare, at 984-3338 or by email at slegare@hawaii.edu for a careful selection of courses.

Requirements for Certificates of Competence (CO): *Minimum C grade or better required in each course taken for CO.*

Aging: 9 credits	Human Services 145(3), 101 or 248(3), 194 or 294(3)
Case Management: 9 credits	Human Services 140(3), 248(3), 194 or 294(3)
Dynamics of Family Violence: 9 credits	Human Services 140(3), 245(3), 256(3)
Substance Abuse Counseling I: 9 credits[a]	Human Services 140(3), 268(3), 194(3)[a]
Substance Abuse Counseling II: 9 credits[a]	Human Services 245(3), 270(3), 294(3)[a]
Youth Development Practitioner: 9 credits	Human Services 130(3), 140 or 248(3), 256(3)

Community Health Worker/ Health Navigator I (CO): 15 credits

This certificate prepares individuals to work in health/human service settings to: provide culturally appropriate health promotion & outreach services, mediate between communities and health/human service systems, assure access to healthcare, and build individual and community capacity.

HSER 101(3), 140(3), 248(3), and 194 or 294(3)[a]   CHW 135(3)

Requirements for Certificate of Achievement (CA): 30 credits

Human Services 110(3), 140(3), 194(3), and 248(3)	English 100(3) - *FW*
Psychology 100(3) - *DS*	Mathematics 100, 103[b], 112, 115[b], or Philosophy 110(3)[c]
Sociology 100(3)	HSER/CHW Specialization electives(6)[d]

Requirements for Associate in Science (AS) Degrees: 60-62 credits

All CA courses(30), plus:	POLS elective or ENG 210(3)[e]
Human Services 294(3)	HSER/CHW Specialization elective(3)[d]
HDFS 230 or PSY 240(3)[e]	Natural Science elective(3-4)[e] - *FSHN 285 recommended (DB)*
Hawaiian Studies 107(3)	Natural Science elective(4) - *(DP/DY)*
COM 130 *(DA)*, COM 145 *(DS)*, or SP 151(3)[e]	Global Multicultural Perspectives electives(6) - *(FG)*

Full-time students would take this sequence:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
COM 130, COM 145, or SP 151[e]	3	*SOC 100 Survey of General Sociology	3
*HSER 110 Intro to Human Services	3	*HSER 248 Case Management	3
*HSER 140 Intro to Counseling & Interviewing	3	*HSER/CHW Specialization elective[d]	3
*ENG 100 Composition I	3	*PSY 100 Survey of Psychology	3
Global Multicultural Perspectives elective	3	*MATH 100, 103[b], 112, 115[b], or PHIL 110[c]	3
	15		15

Third Semester (Fall)	Credits	Fourth Semester (Spring)	Credits
*HSER 194 Seminar & Fieldwork I	3	HSER 294 Seminar & Fieldwork II	3
*HSER/CHW Specialization elective[d]	3	HSER/CHW Specialization elective[d]	3
HDFS 230 or PSY 240[e]	3	Natural Science elective - *FSHN 285 recommended*[e]	3-4
HWST 107 Hawaii: Center of the Pacific	3	POLS elective or ENG 210[e]	3
Natural Science elective	4	Global Multicultural Perspectives elective	3
	16		15-16

*Note: Courses required for the Certificate of Achievement.

[a]Note: All Certificates of Competence require practicum placements in agencies/programs providing client services in the area of specialization, e.g., Substance Abuse Counseling CO I and II require placements in substance abuse programs and work with clients on the 12 Core Functions of a substance abuse counselor. If student has completed HSER 194, take HSER 294.

[b]Note: MATH 103 or 115 is strongly recommended for transfer to UHWO Social Science programs.

[c]Note: PHIL 110 is strongly recommended for transfer to UH Manoa Bachelor of Social Work. Students using PHIL 110 must complete MATH 82 with grade C or better or place at the MATH 100 level in order to graduate.

[d]Note: HSER/CHW electives related to students' specialization or occupational interest as determined with program coordinator.

[e]Note: Course selection may depend on transfer degree selection. See Academic Counselor to determine.

Nursing Career Ladder

The UHMC Associate in Science Nursing (ASN) Program is part of the Hawaii Statewide Nursing Consortium (HSNC) that provides transfer to the Registered Nurse (RN) to Bachelor of Science in Nursing (BSN) pathway at UH Manoa (UHM) or UH Hilo (UHH). UHMC students who successfully complete the required ASN degree courses and complete the required RN to BSN pre-admission requirements will be admitted to UHM or UHH for the RN-BSN program. RN to BSN courses are offered on the UHMC campus. There are also options to exit at the Practical Nurse level (Certificate of Achievement) and the Registered Nurse level (Associate in Science Nursing). For more information, students are encouraged to schedule an academic advising session by calling (808) 984-3306.

Health care students are required to complete University prescribed academic requirements that involve clinical practice in a University affiliated health care facility setting with no substitution allowable. *Failure of students to complete the prescribed clinical practice shall be deemed as not satisfying academic program requirements.* Students are responsible to satisfactorily complete affiliated health care facility background checks and drug testing requirements in accordance with procedures and timelines as prescribed by the affiliated health care facility. Per UH Board of Regents policy, priority for admission is given to fully qualified State of Hawaii residents as determined by the registrar for tuition purposes. ***For the most current information about UHMC's Nursing program admission and curriculum, visit the UHMC website at: www.maui.hawaii.edu/nursing/.***

- **Practical Nurse – Certificate of Achievement (CA):** PN graduates with the CA are prepared to work under the supervision of a registered nurse or physician in hospitals, extended care facilities, private nursing agencies, home health agencies, clinics, and physician offices.
- **Registered Nurse – Associate in Science Nursing (ASN):** RN graduates with the ASN degree are prepared for beginning level positions in hospitals, extended care facilities, clinics, physician offices, private nursing agencies, and home health agencies.
- **Registered Nurse – Bachelor of Science in Nursing (RN-BSN):** RN graduates with a BSN degree are prepared as generalist professional nurses to deliver care in a variety of health care settings.

Nursing Career Ladder Admission Process

For admission to the UH Maui College Nursing Program, complete all steps outlined below by January 31 for the Practical Nurse Pathway Spring Admission, and for the Registered Nurse Program Fall Admission. Application is available online at www.maui.hawaii.edu/nursing/. Admission to UH Maui College does not guarantee admission to the Nursing program. Applicants who are accepted are notified of current health requirements for the program at the time of acceptance. Applicants not selected are encouraged to seek academic advising to re-evaluate their academic plan.

- Apply to UH Maui College. Send official transcripts from previous colleges (outside of the University of Hawaii system) to "Admissions & Records Office, UH Maui College." Submit a Transcript Evaluation Request Form (see forms under Admissions & Records webpage) to the UHMC Admissions & Records Office.
- Selection for the Nursing program is competitive. Criteria includes grades in the following prerequisite courses Complete ENG 100(3); MATH 100, 103, or 115(3); HDFS 230 or PSY 240(3); Humanities elective(3);MICR 130(3); and PHYL 141/141L(3,1) and 142/142L(3,1); score at "Proficient" level on the Test of Essential Academic Skills (TEAS) test. It is also recommended to obtain health care experience (nurse aide preferred).

MICR 140 is not required but 1-point is awarded toward selection. In the event students have the same points in the Program Application, the student with the highest pre-requisite GPA will be offered admission to the program. View the Nursing website at *www.maui.hawaii.edu/nursing/* for necessary details.

PN Pathway Only: Students that complete the PN Pathway have the options of returning to complete the RN degree program. PN graduates interested in admission into the RN program are required to obtain licensure as a Practical Nurse, paid experience working as a Licensed Practical Nurse (LPN) in the community for one year, completion of NURS 211, NURS 212, and PHRM 203, and re-take of NURS 230 Clinical Immersion I with a grade of B or better. All requirements must be met to qualify for admission to the RN program. Successful completion of the RN program will result in the student obtaining the Associate in Science Nursing (ASN) degree.

Allied Health course repeat policy for PN/RN Admission

- Courses may be repeated twice to raise a grade. Of the three times that the course has been taken, the higher grade will be utilized. Only grades in the first three attempts will be considered for admission to the nursing program.
- The science courses, ZOOL 141 & 142 (revised PHYL 141 and 142) (3 credits-lecture and lab) and Microbiology 130 (3 credit lecture), have a 10-year time limit, which must be completed within the last 10 years prior to the application deadline.
- ✋ Contact the Allied Health Chair, Anne Scharnhorst, at 808-984-3646, or by email at annes@hawaii.edu for information.

Many students follow this suggested course sequence:

General Education (G.E.) Requirements: 23 credits

Hawaii Statewide Nursing Curriculum (HSNC) General Education Course Checklist Graduation Requirement Form can be downloaded from: http://maui.hawaii.edu/nursing. For required BSN courses via UHMC, see UHMC Advisor and/or Nursing website.

Semester (Fall)	Credits	Semester (Spring)	Credits
*PHYL 141 & 141L Human Anat & Physiology I & Lab	3,1	*HDFS 230 Human Development^^	3
*ENG 100 Composition I	3	*PHYL 142&142L Human Anatomy & Physiology II & Lab	3,1
*MATH 100, 103, or 115^	3	*MICR 130 General Microbiology	3
	10	*Arts, Humanities, Lit - *Humanities (DA/DH/DL for BSN)*	3
			13

Certificate of Achievement (CA) Degree: 53 credits

All G.E. courses for CA(23), plus:

First Semester (Fall)	Credits	Second Semester (Spring)	Credits
*NURS 210 WI-Health Promotion Across the Life Span	9	*NURS 220 Health and Illness I	10
*NURS 211 Professionalism in Nursing I	1	*PHRM 203 General Pharmacology	3
*NURS 212 Pathophysiology	3		13
	13		

		Third Semester (Summer)	Credits
		*NURS 230 Clinical Immersion I	4
		CA graduates take NCLEX-PN for licensure	

Associate in Science (AS) Degree: 73 credits

All CA courses(53), plus:

Fourth Semester	Credits	Fifth Semester	Credits
NURS 320 Health & Illness II: Family Health	10	NURS 360 WI-Health & Illness III	9
		NURS 362 Professionalism in Nursing II	1
			10
		AS graduates take NCLEX-RN for licensure	

Note: Required for CA.

^*Note: MATH 115 is required for UH-Manoa Bachelor of Science in Nursing (BSN).*

    Students who take Statistics from another college will be required to also take MATH 100, 103, or another Symbolic Reasoning course.

^^*Note: PSY 240 may be substituted.*

✍ *The Nursing Program is accredited by the Accreditation Commission for Education in Nursing (ACEN), 343 Peachtree Road NE, Suite 850, Atlanta, Georgia 30326, phone: 404-975-5000, email: info@acenursing.org, online: www.acenursing.org/.*

Nursing Career Ladder - Health-Related Certificate Programs *. . . continued from preceding page*

Under the umbrella of the Nursing Career Ladder are Certificates enabling individuals to gain the education and training needed for entry to various nursing-related professions. Grade C or better is required in all courses for a certificate or degree in Allied Health, unless stipulated otherwise. ☙ Contact the Allied Health department chair, Anne Scharnhorst, at 984-3250, or by email at annes@hawaii.edu for information.

Nurse Assistant (CO): 6 credits

Prepares individuals to work in hospitals, extended care facilities, private nursing agencies, and home health agencies under supervision of an LPN or RN. Graduates are eligible to take the Certification Examination.
Nursing 100(6) Nurse Assistant *(This course takes one semester; there is no selection process.)*
Prerequisite: ENG 19 with grade C or better or placement at least ENG 22.

Community Health Worker/Health Navigator I (CO): 15 credits* *See curriculum on Human Services program map.*

Medical Office Specialist I (CO): *See curriculum on Business Technology program map.*

Pharmacy Technician (CO): 22 credits

Prepares individuals as pharmacy technicians. Includes preparation for National Certification Exam as a Pharmacy Technician.
Grade C or better is required in all courses for the certificate, except in PHRM 192V, the work practicum, which is credit/no credit.

First Semester	Credits	Second Semester	Credits
BIOL 100 Human Biology	3	PHRM 106 Introduction to Pharmacy Technology	3
HLTH 125 Survey of Medical Technology	1	PHRM 107 Pharmacology and Treatment of Diseases	3
BUSN 150 Introduction to Business Computing, or		PHRM 109 Pharmacology Calculations	1
ICS 101 Digital Tools for the Information World	3		7
MATH 75X Introduction to Mathematical Reasoning	3		
ENG 22 Introduction to Composition	3	**Third Semester**	**Credits**
	13	PHRM 192v Work Practicum**	2

**PHRM 192v Work Practicum requires a drug test and criminal background check.

Special Curricula

Cooperative Education

Cooperative Education (Co-op or internships) is an academic program which offers students an opportunity to integrate classroom-based theory with related practical work experience. Students benefit by:

- earning academic credit (1-3 credits per semester) for field experience related to the major.
- gaining practical on-the-job experience that fosters development of skills, competencies, and interest in a specific occupation or career field.
- participating in field experiences that validate career choices.
- enhancing employability, improve resume, earning capability, and the potential for career advancement.
- exploring or making a transition into new careers.
- earning possible income while attending college. Income varies pending whether mentor/employer site offers paid or unpaid internship experience.

Field sites may be on- or off-campus, paid or volunteer, part- or full-time. Cooperative Education faculty will approve and orient field sites with participating businesses and organizations. Students develop learning outcomes, are evaluated for work performances, participate in Laulima for online assignments, attend monthly seminars with guest speakers or individual appointments, and develop a career portfolio.

Co-op is currently available in these programs:
Accounting - ACC 193v
Administration of Justice - AJ 293v*
Agriculture - AG 193v
Auto Body Repair-Painting - ABRP 193v
Automotive Technology - AMT 93v
Business Administration - BUS 193v
Business Technology - BUSN 193v*
Construction Technology - various
Career Vocational Education - CVE 93v**
Electronic-Cmptr Eng'g - ETRO 193v*
Fashion Technology - FT 93v

Program requires one or more semesters of Co-op.
** *1st year college students and students with less than a 2.0 GPA. Courses lower than 100-level may not count toward a specific academic program. Contact your counselor to confirm.*

Liberal Arts majors are encouraged to enroll in CASE 193v, 293v, 393v, 493v for career exploration and for professional development.

Co-op credits are variable by program requirements and are based on one credit per each increment of 75 hours of work-based learning. *A Co-op course may be repeated for a maximum of 9 credits.* Credits may be transferable as determined by the receiving institution. *For 393v and 493v Co-op courses, students must be upper division program majors; or consent. Check online at Class Availability for specific course alpha and CRNs (e.g., BUSN 193v, CASE 293v).*
☙ Call 984-3318, or visit Ka Lama 101, for information and assistance.

CareerLink

CareerLink is staffed Monday through Thursday, from 9:00 am - 4:00 pm; Fridays by appointment. The center is located in Ka Lama 101. Job postings include on- and off-campus employment.

On-campus student employment may be accessed online at: *sece.its.hawaii.edu/sece/.* A "maui.hawaii.edu/" email account is required to access this site.

Off-campus jobs may be accessed through Job Center Online. Register at: *www. myinterfase.com/maui/Account/Register,* or in person at Ka Lama 101.

CareerLink offers career readiness skills, including internships, cover letter, resume, mock interview, and financial literacy; professional development workshops; and online resources (e.g., Career Spots, HireNet Hawai'i, and Job Center Online are available to current students and graduates of the UH campuses).
☙ For information, call 984-3318 or visit: *www.maui.hawaii.edu/careerlink/.*

Directed Study

Directed study (DIRS) or research beyond the scope of curricular offerings in students' majors or areas of interest are offered by the College and arranged independently with the relevant instructor(s).

Interested students will print out the Directed Study form from the Curriculum Committee website. The completed form along with the proposed course outline is forwarded for approval to the instructor, department chair, and Vice Chancellor of Academic Affairs, with the vice chancellor office filing a copy of the approved proposal. *Directed study courses may be repeated without limit for credit.*

DIRS 99v, 199v, 299v, 399v, and 499v are available for elective credit only. The 99v course is generally not applicable for credit toward a UHMC degree. If the credits earned in Directed Study are intended for transfer, each directed study course syllabus and course outline will be input into the College computer system.

Directed study is intended as a specially designed learning experience. The offering is expected to be related to students' programs of study and to the College's existing curriculum. Directed study will not duplicate existing courses found and offered in the College curriculum. It is not a substitute for cancelled classes.

Topics and Issues Courses

Topics and Issues courses enable the curriculum to encompass emerging issues in a timely manner, to take advantage of expertise from visiting scholars and performers, to answer contemporary needs from students and the community, and to transition coursework while new programs or courses are developed.

Topics courses are available at five levels for every discipline (alpha) in the College curriculum.

ALPHA 90v	Specialized Topic
ALPHA 190v	Topic
ALPHA 290v	Advanced Topic
ALPHA 390v	Contemporary Issues
ALPHA 490v	Advanced Contemporary Issues

Programs, including Liberal Arts, may limit the number of courses or credits that a student may apply toward a certificate or degree. The department in which the faculty member is housed must approve the proposed topics course. With multiple faculty members involved, then the department in which the lead faculty member is housed must approve the topics course.

A particular topic may be taught over a period of two years and then subsequently proposed as a permanent addition to the curriculum through the regular curriculum process.

Credits may vary from 1-6, with contact hours determined by the number of credits. Prerequisites and corequisites are determined by the topic. *Topics courses may be repeated without limit for credit.*

Work Practicum

Work Practicum (WP 151v) provides work experience on- or off-campus under supervision of a faculty member. Students and college instructors jointly develop learning outcomes. Work Practicum credits are based on one credit for each increment of 75 hours of supervised work. Students desiring to enroll must obtain permission from the course instructor. *The course may be repeated for a maximum of nine credits. Grading is by CR/NC only.*

Apprenticeship

The College provides noncredit classroom instruction to supplement work experience for apprentices indentured by the State of Hawai'i in a variety of trade areas, and provides skills upgrading courses for journeyworkers.
✋ For more information, call 984-3404.

Sustainable Living Institute of Maui

The Sustainable Living Institute of Maui (SLIM) is a center with a primary focus on noncredit-based community outreach and professional development activities, as well as trainings complimenting UH Maui College degree programs. Initiatives include green internships sponsored by IN-NOVATE Hawaii, a community garden, and industry-recognized certifications in facilities operations, renewable energy, and sustainable agriculture. Community outreach and workforce development efforts target K-12 and college-level students and faculty, local industry, and community members at-large.
✋ For information, call 808-984-3379.

Transfer and Articulation Agreements

The College has agreements with other institutions enabling students to meet admission requirements and/or to transfer credits. Agreements exist with a variety of colleges both within and outside the UH system. The College continually seeks to provide transfer opportunities with two- and four-year institutions. As these opportunities are constantly changing and expanding, it is important that students interested in transferring meet with a counselor before starting on a course of study leading to a transfer program.

Sea Grant

The UH Sea Grant Program at UH Maui College is part of a nationwide network of the NOAA national Sea Grant College Program, U.S. Department of Commerce. It promotes the improved management, understanding, and wise use of marine resources in Hawai'i and the Pacific region. Research provides scientific data to scientists, resource managers, policy makers, legislators, and the public in Hawai'i and the Western Pacific.

The UH Hawaiian Internship Program (HIP) offers Native Hawaiian undergraduates summer environmental internships. It also works with the UH Marine Option Program (MOP) develop environmental internship possibilities in Hawai'i for UH-HIP and MOP students.

The Sea Grant Extension Service supports the information and training needs of marine and coastal resource users and managers in aquaculture, coastal recreation and tourism, regional coastal resources, coastal hazards, and capacity holding and training.
✋ For more information, call Tara Owens at 468-3868.

Space Grant College Program

The UH Maui College Space Grant program is part of UH Space Grant College Consortium, funded by a grant from NASA.

The program promotes studies in areas concerned with the understanding, utilization, or exploration of space, and with investigation of the Earth from space. Related fields of study include astronomy, engineering, adaptive optics, computer sciences, geology, meteorology, oceanography, physics, social sciences, and the life sciences.

The program offers opportunities to conduct research or participate in internship projects by providing stipends (monetary awards) to support students working on approved projects. Students work with faculty advisors and mentors, as well as with research scientists, on Maui and throughout the UH system.

✋ For information, call the NASA Space Grant program associate director Dr. Jung Park at 984-3423, or visit: *www.space-grant.hawaii.edu/.*

Kaiao

Kaiao, meaning *to enlighten*, is a Native Hawaiian program at UH Maui College. This Title III grant is federally-funded by the U.S. Department of Education and is focused on increasing the success of, and offering leadership opportunities to Native Hawaiian students by implementing:

Activity One, named Pu'a A'e (*to flower*), is to expand college course offerings at the Hāna Education Center;

Activity Two, named Mu'o A'e (*to bud*), is to create a successful First Year Experience program focused on increasing success for a cohort of Native Hawaiian, first-time in college, full-time and part time, traditional and non-traditional, classified students.

Activity Three, named Mōhala A'e (*to blossom*), is to establish a Native Hawaiian Leadership Program for program participants, including participation by UHMC faculty and staff.

✋ For more information, call 984-3405.

Maui Language Institute

Maui Language Institute (MLI) is an English as a second language (ESL) program located on the UH Maui College campus. MLI provides students with English language instruction for academic purposes and for career and job skills advancement.

MLI offers an array of English learning opportunities. The regular program offers intensive 8 week courses. The custom program customizes training for groups and private instruction.

Services offered to MLI students include placement, orientation, and student support services. Students have full use of the UH Maui College facilities including the library, The Learning Center, student health center, and computer labs. Students are given email accounts and are welcome to participate in campus activities and clubs.

All international students are required to have health/medical insurance. Students purchasing insurance in their own country must provide written proof that the insurance covers them in the USA.

For more information regarding the MLI program, upcoming sessions, or information about insurance available in Hawai'i, call +1-808-984-3499 or visit the website: *www.maui.hawaii.edu/mli/.*

International Programs

The Office of International Programs & Services establishes and implements systemwide policies and procedures to ensure the effective coordination of the University of Hawai'i international programs relating to immigration, study abroad, scholar services, protocol, exchanges, and cooperative agreements.

The University of Hawaii has exchanges and cooperative agreements for both students and faculty with universities around the world, especially with those in the Asia-Pacific region. The office also administers the International Agreements Fund and serves as a clearinghouse for information on the UH international involvement.

Student Services

STUDENT HOUSING

UHMC does not have any on-campus student housing facilities and is not in contract with any purveyor to provide off-campus student housing. There are privately owned and managed apartment complexes located within walking distance to the campus, the Kahului Library, and the Queen Ka'ahumanu Shopping Center.

OTHER HOUSING OPTIONS

Many housing rentals are posted online, or in the classified sections of local newspapers, like www.craigslist.com/ or www.mauinews.com/. Students should use good judgment, and never give their bank account number or important information over email or phone.

EDUCATIONAL OPPORTUNITY CENTER (EOC)

The Educational Opportunity Center is a federally funded TRIO program providing assistance to college-ready Maui County residents who want to enter a postsecondary educational program. The EOC services are free to those who are qualified as low-income, first-generation to college *(those whose parents did not attend college)*, and/or veterans. The EOC is located on the Kahului campus and at the Moloka'i Education Center. Weekly visits are made to local high schools and community agencies.

EOC services include comprehensive college and educational information for Hawai'i and mainland schools, pre-admission advising, admission application, financial aid, scholarship, grant, and loan assistance. EOC advising is available to assist prospective students make appropriate educational decisions by assessing their educational needs, career interests, and academic qualifications.

☙ For more information, contact the EOC office on Maui at 984-3286 or on Moloka'i at 808-553-4490, x4.

COUNSELING

The College offers an array of counseling services throughout the academic year and summer months. A comprehensive program of individual and group counseling is provided for students to enable each individual to develop to his or her fullest potential while realizing educational and career goals.

☙ For information, call 984-3306 to schedule an appointment for counseling.

Academic Counseling

Counselors assist students in planning their program of study and in selecting courses. They provide information about course placement, prerequisites, course sequence, and registration and transfer information.

Personal Counseling

Counselors assist students with personal, social, and college-related programs and help assess personal growth and development.

Graduation Application Assistance

Counselors are available for assistance in applying for graduation. It is highly recommended that all students make an individual appointment prior to their last semester for this important academic check of their progress and completion of degree or certificate requirements. A graduation application and degree/certificate fee must be submitted to the Cashier's Office by the deadline stated in the Academic Calendar.

Career & Transfer Advisory

Counselors provide information regarding transferring from UHMC to other colleges and universities. Early discussions with a counselor may result in a clear and detailed list of requirements for later degrees. Often this process involves a blend of career, academic, and personal counseling that results in careful planning and completion of courses at UHMC that will eventually transfer and fulfill requirements at another institution.

STAR Advising Tool

STAR is an online information and advising tool that enables students to view their academic pathway for their major, register for classes, view grades, transfer credits, financial aid status, academic holds, and more.

Students are strongly encouraged to seek advising to verify degree requirements. Access STAR through MyUH Services at *myuh.hawaii.edu/.*

☙ For more information, contact the Counseling Center at 984-3306.

Orientation

Orientation sessions acquainting new students with College services, programs, and courses are conducted prior to each semester. These sessions may include a campus tour. During the first two days of classes, faculty and staff assist students at "Ask Me" information tables.

☙ For information, call 984-3434.

Lost and Found

The UHMC Mailroom is the official site for College "Lost and Found" items.

☙ For information, call 984-3500 or 984-3374.

STUDENT LIFE & CAMPUS ACTIVITIES

The Office of Student Life and the Associated Students of UH Maui College (ASUHMC) Student Governance Council, are an integral part of the UHMC educational and co-curricular program. A wide spectrum of activities, workshops, and forums that promote student involvement in college governance and provide opportunities for students to enhance their personal, cultural, social, recreational, and leadership skills.

☙ For information, call 984-3434.

Student Government

The Associated Students of UH Maui College (ASUHMC) is the official student organization. The ASUHMC Student Governance Council, the representative governing body of the ASUHMC, is responsible for administering Student Activity fees and for developing and providing programs, services, and activities to meet student needs.

The Governance Council also serves as the collective voice for students in student-related issues.

Students are invited to participate in the College's development by serving on Council committees.

☙ For information, call 984-3434.

Student Publications

The Board of Student Publications (BOSP) serves in an advisory role in the publication of the student newspaper, *Ho'oulu*.
❧ For information, call 984-3434.

SPECIAL POPULATION PROGRAMS
Ku'ina

The Ku'ina Program, funded by the Workforce Innovation & Opportunity Act (WIOA), provides support services for youth experiencing barriers in achieving a secondary school equivalency, transition support into a post-secondary institution, and persistence of obtaining credentials that lead into employment on Maui, Moloka'i, and Lana'i.

The goal of the Ku'ina Program is to provide subsidized and unsubsidized support for each participant to obtain livable wage employment within Maui County. After completion of the program, participants are tracked for one year at quarterly marks to ensure the participant is maintaining employment and has continued wrap-around support towards success.

❧ For more information, contact the Ku'ina Program Coordinator at 984-3532.

Nā Pua No'eau

Nā Pua No'eau is an innovative enrichment program for Native Hawaiian children in grades K-12. The goal is to raise the educational and career aspirations of Hawaiian students and their families by exposing them to numerous educational activities that they may not be able to receive in their home-based schools. Nā Pua No'eau recognizes that every child has gifts and talents. It is the kuleana (responsibility) of our kumu (teachers) and staff to provide educational opportunities and venues that nurture the haumāna (students') learning and educational journey.

Student eligibility and participation varies from program to program in various grade levels. Nā Pua No'eau encourages students from an early age to prepare for college.

❧ For more information, call Nā Pua No'eau Maui Coordinator at 984-3364.

Student Support Services Program
Pai Ka Mana

The mission of the Student Support Services Program (SSSP) is to assist low-income, first generation, and/or disabled program participants in obtaining the knowledge and skills necessary to successfully complete an associate degree or certificate and transfer into a baccalaureate degree program.

Eligible students at UHMC receive services including academic advising, counseling, group and individual tutoring, priority registration, financial aid counseling, cultural and educational explorations, financial literacy, supplemental grant aid to qualifying participants, and assistance in transferring to an upper division four-year institution. Pai Ka Mana serves Moloka'i, Lāna'i, Hāna, and Lahaina students as well.
❧ For more information, call SSSP at 984-3574.

Upward Bound &
Upward Bound Math Science

The UH Maui College Upward Bound and Upward Bound Math Science programs strive to increase postsecondary enrollment and college degree completion for low-income first-generation Baldwin, Maui, Hana, King Kekaulike, Lahainaluna, Lana'i, and Moloka'i High School participants.

The Upward Bound Math Science program aspires to develop high school participant motivation and academic preparation to enroll and complete postsecondary science, technology, engineering, and mathematics degree programs.

Funded by the U.S. Department of Education, these intensive pre-college programs promote high school academic achievement and preparation for a successful college career. After admission into the program, participants receive continuous services until high school graduation. Participants are tracked for an additional six years after program completion.

Services include assistance with college admission, scholarship searches, and completing financial aid forms; engaging 6-week Summer Academy; free college tours to Oahu, Hilo, and the mainland; academic advising, homework club, tutoring, motivational counseling, Saturday Academy workshops, cultural activities, and more. For additional information, call Upward Bound at 984-3299.

Services for Students with Disabilities

Students with disabilities, either permanent or temporary, may be provided with academic accommodations after completing the intake process. Examples of accommodations include alternative text, note taker, sign language interpreter, campus accessibility map, and specifically designed auxiliary equipment to meet the needs of students with disabilities.

In accordance with Section 84.4 of the federal rules and regulations governing Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (1990), no qualified individual with a disability shall, on the basis of their disability, be excluded from participation in, be denied benefits of, or otherwise be subjected to discrimination under any program or activity that receives or benefits from federal financial assistance.

❧ Students desiring academic accommodations are advised to call the disabilities coordinator at 984-3227 or email at uhmcds@hawaii.edu, as early as possible so that services may be arranged on a timely basis.

STUDENT RIGHT TO KNOW

Graduation & Persistence Rates
UH Maui College
First-time, full-time degree/
certificate-seeking undergraduates

GRADUATION RATE

150% of normal time to completion	26%
Gender	
Men	26%
Women	26%

IPEDS Race/Ethnicity

Nonresident Alien	R
Hispanic/Latino	23%
American Indian or Alaska Native	R
Asian	37%
Black or African American	R
Native Hawaiian or Other	
Pacific Islander	16%
White	22%
Two or more races	21%
Race and ethnicity unknown	R
Federal Grant/Loan Recipient	
Recipient of a Federal Grant	25%
Recipient of a subsidized Stafford Loan who did not receive a Pell Grant	32%
Students who did not receive either a Pell Grant or a subsidized Stafford Loan	20%

PERSISTENCE RATE

Still enrolled after 150% of normal time to completion	14%

TRANSFER OUT RATE | 11%

Note – An "R" designates any cohort/ subcohort with fewer than 10 students. This information is provided for the Student Right-to-Know Act, Public Law 101-542. It provides a partial description of the graduation and enrollment patterns of students. It should not be used to infer or predict individual behavior.
Source – Institutional Research and Analysis Office, University of Hawai'i, June 2020, Fall 2016 cohort.

Services for Deaf and Hard of Hearing

Deaf and Hard of Hearing individuals desiring information may contact the College by calling the TTY number at (808) 984-3741, or by using the text telephone relay service at 711 or 1-877-447-5990. A TTY phone is located in Pilina 133.

❧ Call the Disabilities Services Counselor at 984-3227 to obtain information about services available for persons with disabilities.

Safe Zone Program

The Safe Zone program exists to create and maintain a positive social, academic, and employment environment at the UH for lesbian, gay, bisexual, transgendered, and intersex faculty, staff, and students. Trained volunteers who serve the program are nonjudgmental, understanding, and trustworthy advocates for those seeking help and advice, or simply a place to talk story. The Safe Zone program insures the enforcement of Hawai'i State Law (Chapter 386) and established UH policy (Section 105 of the Board of Regents Bylaws and Policies) that explicitly prohibit harassment and discrimination on the basis of sexual orientation.

❧ For information, call 808-956-9250.

Financial Aid

FINANCIAL AID MISSION

The mission of the UH Maui College Financial Aid Office is to promote access to higher education and to support student success.

Several types of financial aid - federal, state, and institutional - are available to eligible UHMC students: grants, part-time employment (Federal Work Study), loans, and scholarships. All financial aid programs are subject to change due to legislative action or availability of funds. Federal awards are made without regard to age, race, gender, or ethnic origin. Complete financial aid policies are available at the Financial Aid Office. For information, call 984-3277.

Eligibility

The majority of aid awarded by UH Maui College is federal and based on demonstrated financial need. Eligibility requirements are determined by federal rules and include the following requirements.

The applicant must:

- be a U.S. citizen or an eligible noncitizen (permanent resident).
- be enrolled in a degree granting program (classified student).
- be making satisfactory academic progress toward a degree at UH Maui College.
- not be in default on a loan or owe a refund on a federal grant.
- have demonstrated financial need.
- have obtained a high school diploma or GED.
- be registered with Selective Service, if required.

UH Maui College students will have their prior academic history at the College reviewed to determine compliance with the Financial Aid satisfactory academic progress policy.

Transfer students should request that an academic counselor review their prior records to determine advanced placement. A review of the UH Maui College academic transcript and/or credits transferred from other institutions may impact the timeframe (semesters of eligibility) at the College.

Students who owe a repayment on financial aid funds, or are in default on an educational loan, will be unable to receive academic transcripts, register for classes in the subsequent semester, or receive further aid until the amount due is repaid in full or prescribed federal requirements have been met.

Students should be aware that the financial aid award is subject to adjustment due to legislative action, changes in eligibility, enrollment, availability of funds, or increases in students' external resources.

✋ For information regarding eligibility requirements, call 984-3277, or email *mauifa@hawaii.edu.*

Application Procedures

To apply for any form of need-based financial aid, including loans, students must submit a Free Application for Federal Student Aid (FAFSA) to the U.S. Department of Education. A FAFSA must be filed for each academic year during which students wish to receive financial aid.

Before you start a FAFSA, please sign-up for an FSA ID at fsaid.ed.gov. The FSA ID is a username and password that you will need to sign your FAFSA.

Students requiring assistance in completing FAFSA forms should call the Educational Opportunity Center (EOC) at 984-3286. Students may also submit their application on the web at: www.fafsa.gov/.

The information contained in the FAFSA is used to determine students' eligibility for all need-based aid. The US Department of Education will send students a "Student Aid Report" (SAR) which reflects the "Expected Family Contribution" (EFC). All schools listed on your FAFSA receive an electronic copy of your SAR and begin working your file. The EFC indicates students' eligibility for financial aid.

The SAR should be reviewed carefully for errors, and corrections should be made quickly. Corrections can be made online by using your FSA ID from the U.S. Department of Education:

1. Log on to: *www.fafsa.gov/*
2. Select *Make correction to a processed FASFA.*

For a lost or misplaced FSA ID number, go to: *fsaid.ed.gov/.*

If requested, the Financial Aid office will process corrections electronically, but additional documents may be needed.

The Financial Aid office will review the SAR and may ask for additional documents. *See Documentation Requirements.* Once a file is complete, the Financial Aid Office can determine eligibility. Anyone not eligible for aid will receive a notification indicating the reason.

✋ For information, call 984-3277 or email *mauifa@hawaii.edu*

Application Deadline

Early submission of the FAFSA is highly recommended because many scholarship programs have a March 1 deadline. The priority deadline for filing a financial aid application at UH Maui College is March 1.

FEDERAL FINANCIAL AID

1. Federal Pell Grants

The Federal Pell grant program is available to qualified, undergraduate students who demonstrate financial need and have not previously earned a Bachelor degree.

2. Federal Supplemental Educational Opportunity Grants (SEOG)

The Federal SEOG grant program is available to undergraduate students with exceptional financial need who attend a minimum of 6 credits. This fund is limited.

3. Federal Work Study (FWS)

The Federal Work Study Program finances student employment wages for a limited number of financial aid recipients. Recipients must be enrolled in at least 6 credits. Federal Work Study jobs are intended to give eligible students employment experience related to their educational goals and to encourage participation in community service activities. Students are limited

to a maximum of 20 hours per week during the academic terms. If Federal Work Study is unavailable, students may pursue regular student employment by contacting CareerLink at 984-3318.

4. Federal Direct Loan Program

The federal loan program is funded by the Department of Education. There are three types of loans:

- **Federal Direct Subsidized Stafford Loan**

  The federal subsidized loan program is for students who demonstrate financial need. Students must be enrolled in at least 6 credits. Interest is subsidized by the U.S. Department of Education while in school. Repayment begins 6 months after a student ceases to be enrolled in at least 6 credits.

- **Federal Direct Unsubsidized Stafford Loan**

  The federal unsubsidized loan program is not based on financial need. Students must be enrolled in at least 6 credits. Interest begins to accrue from the time the loan is disbursed. Interest does not have to be repaid while in school, but will be added to the principal at repayment. Repayment begins 6 months after a student ceases to be enrolled in at least 6 credits.

- **Federal Direct Parent Loan**

  This federal loan program is for parents. This program provides additional loan funds for students' educational expenses. Parents of dependent students may borrow up to the calculated cost of attendance for their child, minus other student aid. The interest rates on PLUS loans are variable. Interest begins accruing upon disbursement of the funds.

STATE & INSTITUTIONAL FINANCIAL AID

1. Hawaiʻi B+ Scholarship

This scholarship is available to recent Hawaiʻi public high school graduates. Students must have a cumulative GPA of 3.0, completed a rigorous high school curriculum, and demonstrate financial need. Official high school transcripts must be submitted to the Financial Aid Office for review. Student must also submit a FAFSA.

2. Hawaiʻi State Incentive Grant (HSIG)

This tuition grant program is available to needy undergraduate students attending a minimum of 6 credits. To qualify, students must be eligible for a Pell Grant and be residents of Hawaiʻi for tuition purposes. Awards are based on availability of funds. Student must also submit a FAFSA.

3. Opportunity Grants

This institutional grant is available for students on a first-come, first-served basis. Students who are interested are encouraged to submit their FAFSA before the priority deadline of March 1. Awards are based on availability of funds. Students must be enrolled in at least 6 credits. To qualify, students must be Pell eligible and have unmet need.

4. UH Maui College Scholarships

Institutional scholarships are available for certain target groups of students. Visit *www.maui.hawaii.edu/scholarships/* for more information.

OTHER SOURCES OF AID

1. Private Scholarships

These scholarships are available from numerous organizations. Some scholarships are not need based.

☞ For listings, call the Educational Opportunity Center at 984-3286, or the Financial Aid Office at 984-3277.

ENROLLMENT STATUS AND ACADEMIC PROGRESS

Financial aid is based on students' financial needs, enrollment levels, living situations, and academic progress toward declared major.

In order to continue to be eligible for aid, students must meet the satisfactory academic progress requirements each semester. These requirements are described in the College Regulations section of this Catalog under *Regulations and Standards for Financial Aid*.

Students should notify the Financial Aid Office immediately if they make any changes to their certified course load or if they withdraw officially or unofficially. Withdrawals may impact student's current eligibility of aid and could result in owing back of funds. Withdrawals may also impact a student's future eligibility.

The Higher Education Amendments of 1998, Public Law 105-244, changed substantially the way financial aid funds are handled when students withdraw officially or unofficially from school. A statutory schedule will determine the amount of funds students have earned up to the time of withdrawal. Unearned funds must be returned to the grant or loan program from which they came. Recipients must make arrangements to return the funds.

It is strongly recommended that students who stop attending classes go through the official withdrawal process with the Admissions & Records Office. Financial aid recipients considering withdrawal should also contact the Financial Aid Office to see what impact their decisions may have on their financial aid eligibility.

Documentation Requirements

In addition to submitting the FAFSA, students may also be required to submit additional documents to the Financial Aid Office for award processing. The College verifies all financial aid applicants chosen for verification by the Federal processor. (Students chosen for verification will be required to submit additional documentation.)

Students must adhere to deadlines required for document submission. Students who experience difficulties in completing documentation or verification requirements should contact the Financial Aid Office before the deadlines expire. Failure to provide the necessary documents can result in termination of all financial aid benefits for the year.

The Financial Aid "Package"

The financial aid "package" is based on student needs, enrollment levels, living situation, and the availability of aid. Financial need is determined by subtracting the Expected Family Contribution (EFC) from the cost of attendance, which includes tuition, fees, books, supplies, transportation, room, board, and miscellaneous personal expenses. The financial aid package offered may be a combination of gift-aid (grants and scholarships) and self-help (loans or part-time employment).

In most instances, students' gift aid will not cover the full amount of need. If eligible, these students will be offered a loan to help meet educational costs. Students who take out any form of student loan must have completed a loan entrance counseling. Students must also complete a loan exit counseling when leaving the College or when enrollment drops below halftime.

Financial aid recipients must notify the Financial Aid office if they receive any outside aid, as these monies are considered part of students' available resources and will affect the amount of aid students are eligible to receive.

Students always make the final decision to accept or decline any part of the financial aid award package offered.

VETERANS ASSISTANCE

The College is an approved institution for education and training under the Veterans Educational Assistance Act (GI Bill) and the Survivors' and Dependents' Educational Assistance Program. Information regarding authorized eligibility, entitlement, and types of training is available from the Veterans Administration Regional Office.

Application for educational benefits and information concerning veterans and eligible dependents is available at the Admissions & Records Office.

The Veterans Resource Center is dedicated to establishing a cohesive network of student veterans, dependents, reservists, and guardsmen to ensure their academic success. The Veterans Resource Center is located in Annex Building. The telephone number is 984-3242. visit our website at www.maui.hawaii.edu/veterans/

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at: https://www.benefits.va.gov/gibill

The Admissions and Records office is responsible for VA enrollment certification. VA enrollment certification will not be processed if the student has a financial obligation to the University of Hawai'i.

VA students must have their prior credits from colleges previously attended and military training evaluated for possible transferring of credits into the college to avoid delay in VA enrollment certification.

Vocational Rehabilitation & Employment and Post-9/11 GI Bill Benefits

Any individual who is entitled to educational assistance under chapter 31, Vocational Rehabilitation and Employment, or chapter 33, Post-9/11 GI Bill benefits.

• College policy permits any covered individual to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs' (VA) website – eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

1. The date on which payment from VA is made to the institution.

2. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility

• College policy ensures that the educational institution will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from VA under chapter 31 or 33.

Admission & Registration

ADMISSION REQUIREMENTS

All high school graduates and transfer students from other colleges and universities may be admitted to the College. Persons 18 years of age or older who are not high school graduates may also be admitted. *Admission to the College does not mean automatic admittance to programs or courses.*

All individuals seeking admission must submit the following three documents:

- UH Application for Admission online form, available at: *www.maui.hawaii.edu/,* then to *How to Apply*.
- Students are required to have a negative Tuberculosis (TB) screening/test at age 16 or older. If starting post-secondary school prior to age 16, must have a current negative TB screening/test with 12 months prior to start date AND a repeat negative TB screen once turning 16.
- Proof of Mumps, Measles, Rubella (MMR) immunization. This requirement is waived for those born before 1957. For those born in or after 1957, take any records of childhood immunization to the Campus Health Center or to an outreach coordinator for review.

The College shall also comply with applicable requirements of the State as may be required by law or by rules and regulations.

Application Assistance

Prospective students may complete the on-line UH Application for Admission and other admission information at:

- *www.maui.hawaii.edu/how-to-apply/.*
- Admissions & Records in Ho'okipa, or by calling 808-984-3267.
- Educational Opportunity Centers: Kahului Office, Ho'okipa, 984-3286; or on Moloka'i by calling 553-4490, ext. 4.
- Hāna, Lahaina, Lāna'i, and Moloka'i Education Centers.

All non-U.S. citizens should obtain the Foreign Student Supplementary Information form and follow the additional instructions in the section *International Student Applications* in this Catalog.

Out-of-state students and international students are reminded that admission decisions are made without regard to availability of financial aid or housing. Students must arrange their own housing and apply separately for financial aid.

❧ For Financial Aid, call 808-984-3277.

Application Deadlines

Fall Semester: August 1
Spring Semester: December 15
Summer Semester: July 1

Acceptance Notification

Applicants applying prior to deadlines are notified of their status. Applicants applying after the deadlines are asked to check with the Admissions & Records Office regarding their admission status and registration information.

Continuing & Returning Students

Continuing students who attended UHMC in the prior semester do not need to reapply. Returning UHMC students should obtain information on an abbreviated Re-Application process by calling Admissions & Records at 808-984-3267.

MYUH SERVICES & STAR GPS

MyUH Services is the online University of Hawai'i student information system. Features include web-based services and the ability to register and pay online for classes at multiple UH campuses.

Star GPS. Newly incorporated is Star GPS, a tool that has evolved from a degree audit system to a robust registration system connected to degree requirements. Star GPS immediately displays to registering students the classes they need to complete unfinished requirements for their major, helping them to keep on an optimal pathway toward graduation.

MyUH Services open to both the public and UH students:

- Online admission/application information.
- Web Registration Tutorial, to preview MyUH Services.
- Check *Class Availability* sites that display "real-time" information on sections, times, location, instructor, seats remaining, and added or cancelled classes.
- Academic advising resources.
- Payment options and deadlines.

MyUH Services for UH students:

- Pre-Registration Checklist to qualify for Quick Registration.
- Web registration and drop/adds.
- Online credit card payments.
- Registration Status check, including holds, academic standing, and credits completed.
- Final grade report and transcript.

❧ All students are required to obtain a MyUH Services account and register online at: *myuh.hawaii.edu/.*

TUITION AND FEES

Payments made by credit card, (Visa, MasterCard, Discover), eCheck, or eSavings must be made online through My UHServices. Payments may also be made in person at any UH campus Cashier's Office and the Moloka'i Education Center by cash, check, cashier's check, travelers' check, debit card, or money order.

For Summer School fees, see the Schedule of Classes posted online. All tuition and fee charges at UH campuses are subject to change in accordance with requirements of state law and/or action by the UH Board of Regents or the University administration.

- **Resident Tuition**
  $131 per credit, lower division
  $306 per credit, upper division

- **Non-Resident Tuition**
  $345 per credit, lower division
  $846 per credit, upper division

- **Out-of-State Application Fee**
  A $25 fee must accompany the Admission application.

- **Pacific Islander/WUE Tuition**
  $196.50 per credit, lower division
  $459 per credit, upper division

- **Student Activity Fee**
  Students enrolled in Kahului campus sections are charged the student activity fee at the time of registration:
  $1.00 per credit for 1-7 credits.
  $7.50 max for 8 or more credits.

- **Student Government Fee**
  All students are charged a student government fee at the time of registration:
  $1.00 per credit for 1-7 credits.
  $7.50 max for 8 or more credits.

- **Moloka'i Student Activity Fee**
  Moloka'i students taking Moloka'i Campus sections are charged a student activity fee at the time of registration.
  $1.00 per credit for 1–7 credits
  $7.50 max for 8 or more credits

- **Student Technology Fee**
  All students are charged a technology fee to provide support for the technology resources used by students.
  $3.00 per credit for 1–11 credits
  $36.00 max for 12 or more credits

- **Student Health Fee**
  Students enrolled in Kahului campus sections are charged a $12.00 student health fee at the time of registration. A Summer Session student health fee of $12.00 is also assessed.

- **Culinary Professional Fee**
  Culinary majors are charged a fee at the time of registration:
  $15 per credit for 1-11 credits
  $180 max for 12 or more credits

- **Late Registration Fee**
  Late fee charges are assessed from the first day of instruction. Students registering from the first day of instruction and after (including modular classes) are assessed a $30 late registration fee in fall and spring semesters.
  A Summer Session late fee of $10 is assessed.

- **Nursing/Allied Health Malpractice Insurance**
  A non-refundable $18.00 nursing malpractice fee is charged at the time of registration for students taking designated nursing courses.

- **Nursing Professional Fee**
  A non-refundable $500.00 nursing professional fee is charged to Nursing Program majors at the time of registration.

- **Dental Hygiene Fee**
  A non-refundable $500.00 Dental Hygiene professional fee is charged to Dental Hygiene program majors at the time of registration.

- **Returned Check Fee**
  A $25 service charge is assessed for checks made out to UH Maui College that are returned for any cause.

- **Course Change Fee**
  A $5 fee is charged for each course change request form. Students are also assessed or rebated tuition and fees, as applicable, according to the *Refund Schedule of Tuition and Fees.*

- **Student Publication Fee**
  A $4 Board of Student Publication (BOSP) fee is charged to all students at the time of registration. The fee covers the cost to produce approximately four student newspapers per semester, as well as an annual literary journal.

- **Associate Degree and Certificate of Achievement English and Hawaiian Diploma Fees**
  A $15 fee is payable at the time the graduation application is submitted. Deadlines are:
    December 8: Fall Semester
    March 15: Spring Semester
  Applicants are issued an English and Hawaiian language Diploma. The $15 fee covers both diplomas and one diploma cover. Students may choose to purchase an additional cover for $10. Any additional diplomas ordered (Hawaiian or English) will require a $15 fee per diploma.

- **Certificates of Professional Development and of Competence Fees**
  A $2 fee per certificate, up to a maximum of $12 for multiple certificates, is payable at the time application is submitted. A $10 fee is charged for each diploma cover.

- **Transcript Request and Fee**
  A $5 fee is charged for a transcript sent outside the University of Hawai'i system. The fee is not charged for transcripts sent to another college within the UH system. Transcripts are usually processed within two weeks. A $15 rush fee is charged for transcripts requested within a two business day period. Transcript Request Forms are available at Admissions & Records; at the Hāna, Lahaina, Lāna'i, and Moloka'i Education Centers; and online at:
  www.maui.hawaii.edu/transcripts/.

Transcript Evaluation

Students may submit official transcripts from regionally accredited colleges and universities for evaluation of prior college credits. Transcripts must be sent directly from the college or university to Maui College Admissions & Records Office. College catalogs, course descriptions, and additional information may be necessary and requested of the student.

Books, Supplies, Tools

The cost of books and supplies for full-time students averages $500 per term. Students in certain career programs are additionally required to purchase personal hand tools, which range from $35 to $625 depending upon the major. Students in need of financial assistance to absorb this cost should refer to the Financial Aid section.

U.S. Passport Acceptance Service

  Contact Admissions & Records Passport Acceptance Agents, Hookipa, 808-984-3474.

REGISTRATION FOR CREDIT COURSES

Students should check MyUH Services or the college homepage each semester for specific registration dates and procedures. The College provides students closest to graduation the highest registration priority.

Concurrent Registration

UH Maui College students may enroll in eClasses or other classes offered by the UH Community Colleges for which they have met the prerequisite. *Concurrent registration* is enabled online through MyUH Services, or by contacting Admissions & Records or an outreach coordinator at Hāna, Lahaina, Lāna'i, and Moloka'i.

Students may view the schedules of classes from all the UH campuses, by assessing the online MyUH Services.

An eLearn website providing information on eClasses and multi-campus distance delivery from the UH Community Colleges is available at: *www.hawaii.edu/dl/courses/*

Attendance and "No-Shows"

Students are expected to attend all their classes, especially the first class session. Instructors reserve the right to drop "no shows" who have neither made prior arrangements nor been granted prior approval for their absence.

Dropped students are eligible for a tuition refund, in accordance with the Refund Schedule. Classes that are dropped during the erase period are not recorded on the student's permanent record. "No Shows" who do not officially withdraw from a class may receive the grade of F in that class.

Placement Testing

Students must take the English and math placement tests, if they are any of:

• Degree-seeking (classified) student.
• Non-degree seeking (unclassified) student taking 8 or more credits.
• Registering for a course with a Placement prerequisite.
• Early Admit student.
• Do not qualify as an exemption.

Multiple Measure Placement

English: Students enrolling UH Maui College may be exempt from the English placement test if one of the following is met:

English ACT score is 18 or higher.
English ACT score is ≥11 and ≤17.
Writing SAT score is 510 or higher.
Writing SAT score is ≥310 and ≤509.
Smarter Balanced English score is 4.
Smarter Balanced English score is 3; and B or better in 12th grade English Language Arts course.
Smarter Balanced English score is 2, and C or better in 12th grade English Language Arts . Language Arts Writing HiSET score is 15 or higher.
Reasoning through Language Arts GED score is 165 or higher.
Cumulative HS GPA is 2.6 or higher.
Cumulative HS GPA is ≥2.0 and ≤2.5. 12th grade English Language Arts course grade is C or better.
12th grade Advanced Placement Language & Composition course grade is C or better.

Math: Students enrolling UH Maui College may be exempt from the math placement test if one of the following is met:

Math ACT score is 22 or higher.
Math SAT score is 510 or higher.
Math Smarter Balanced score is 4.
Math Smarter Balanced score is 3.
Math Smarter Balanced score is 3, and B or higher year-long calculus pathway course.
Math Smarter Balanced score is 2, and B or higher in 12th grade Transition Math course.
Math HiSET score is 15 or higher.
Mathematical Reasoning score on the GED is 165 or higher.
Cumulative GPA is 2.6 or higher, and B or better in Algebra II.
Cumulative GPA is 2.6 or higher, and B or better in Algebra I.

Placement testing is located in The Learning Center (TLC) on a walk-in basis during open hours *(call 984-3240 for hours)*. Bring a photo ID and UH ID number (*obtain from Admission).*

Health and Accident Insurance Requirement

Students are required to have a negative Tuberculosis (TB) Test result within one year before the start of classes. There is also a Measles, Mumps, Rubella (MMR) requirement. The health clearance form may be found at the following url: *http://maui.hawaii.edu/assets/forms/UHMC_Health_Clearance.pdf*. A list of health centers where you can do the testing is available at: *http://maui.hawaii.edu/gettingstarted/#submit*. Low cost health insurance is available to UH Maui College students. All international students are encouraged to enroll in a health and accident insurance program prior to their arrival in the U.S. In compliance with public health regulations, new students must show evidence that they are free of active tuberculosis and measles *with admission application*. The College complies with all applicable requirements of other state health agencies and councils as may be required by law or by rules and regulations. Applications for University approved and sponsored health plans are available online at *www.hmsa.com/portal/?gid=student*. Student Services also has a referral program for those in need of medical attention.

🌿 For information, call 984-3267.

Early Admit College Options

Early Admit students may take any UH Maui College course where the prerequisite is met. Courses taken depend upon a student's ultimate college plan. Enrollment is on a space available basis. The Early Admit program provides educational opportunities for two categories of youth under 18 years of age.

• Academically superior or vocationally gifted Early Admits are permitted to take one or two regular college courses during the summer following completion of their sophomore year, or during their junior or senior year, provided their high school approves and is able to make appropriate schedule adjustments.

• Applicants who are officially released from high school and are under 18 years of age may be considered for early admission in courses or programs if the College determines that the student can benefit from its academic or vocational offerings. In addition to the three required general admission documents, individuals in this category must also submit a written release by the District Superintendent or designee.

Running Start Program

Running Start is a statewide program that provides an opportunity for academically qualified juniors and seniors to enroll in college classes through the UH system as a part of their high school coursework. This unique partnership between the Department of Education and the UH system allows public high school students to attend college classes during the fall, spring, and summer while earning high school and college credits. Currently, nine UH campuses participate in *Running Start:* UH Hilo, UH Maui College, Hawai'i CC, Honolulu CC, Kapiolani CC, Kauai CC, Leeward CC, Windward CC, and UH West Oahu. Interested students should check with their high school counselor regarding participation in the Running Start program.

INTERNATIONAL STUDENT APPLICATIONS

International applicants must comply with all regulations of the U.S. Citizenship and Immigration Service as well as with applicable policy of Board of Regents of the University of Hawaiʻi and the policies of UH Maui College. For purposes of clarifying requirements for admission, international students who are not U.S. citizens and who have not been admitted to live in the U.S. permanently are designated as non-immigrants. The College is authorized under federal law to enroll non-immigrant alien students. Contact Admissions & Records for rules and regulations and admission requirements.

In addition to the two general admission documents required for all students, international students must:

- Complete the International Student Supplementary Information form. Current bank statements and financial aid award letters must accompany the Supplementary Information form. See *www.maui.hawaii.edu/wp/wp-content/uploads/docs/admissions/intl_supplement18-19.pdf*
- You must have a minimum TOEFL score of 61 on the Internet Based Test (IBT) or TOEFL score of 500 on Paper Based Test (PBT) or STEP Eiken 2A.
- In compliance with public health regulations, new students prior to enrollment must show evidence that they are free of active tuberculosis and measles, mumps, and rubella. The College complies with all applicable requirements of other state health agencies & councils as may be required by law or by rules & regulations.
- Demonstrate proof of enrollment in a health and accident insurance plan before being permitted to enroll. The intent of this requirement is to protect international students against the high cost of unanticipated health care expenses resulting from accident or illness. The average cost per year is approximately $4,000. More information is available from Admissions & Records.

International students are required to take a full courseload *(a minimum of 12 credits a semester toward their program)*.

Individuals from foreign countries who reside in the State of Hawaiʻi and who wish to be accepted as students at the College *(and who seek student visas)* should obtain additional info from the Admissions & Records Office.

☙ For information, call 808-984-3267. Arrangements for housing must be made prior to arrival.

Residency Regulations *(condensed)*

Students who do not qualify as *bona fide* residents of the State of Hawaiʻi, according to the University of Hawaiʻi rules and regulations in effect at the time they register, must pay the nonresident tuition. An official determination of residency status will be made prior to enrollment. Applicants may be required to provide documentation to verify residency status. Once classified as nonresidents, students continue to be so classified during their term at the College until they can present clear and convincing evidence to the residency officer that proves otherwise.

Some of the more pertinent University residency regulations follow. The complete rules and regulations are available at Admissions & Records.

☙ For information or interpretation, call the Admissions & Records at 808-984-3267.

Definition of Hawaiʻi Residency

A student is deemed a resident of the State of Hawaiʻi for *tuition purposes* if the student (19* or older) or the student (under 19*) and his/her parents or legal guardian have:

- *Demonstrated intent* to permanently reside in Hawaiʻi *(see below for evidences)*;
- Been *physically present* in Hawaiʻi for the 12 consecutive months prior to the first day of instruction, and subsequent to the demonstration of intent to make Hawaiʻi his/her legal residency; and
- The student, whether adult or minor, *has not been claimed as a dependent for tax purposes* for at least 12 consecutive months prior to the first day of instruction by his/her parents or legal guardians who are *not* legal residents of Hawaiʻi.

*The age of majority is 18 years. However, a person between the ages of 18 and 19, unless emancipated, cannot claim residency solely on the basis of himself/

herself because he/she does not have the minimum 12 months residency which commences on his/her 18th birthday. Therefore, the applicant must claim a portion of the required 12 months on the basis of his/her parent or legal guardian.

To demonstrate the intent to make Hawaiʻi your legal residency, the following evidence applies:

- Filing Hawaiʻi Resident State Personal Income Tax Return.
- Voting/registering to vote in the State of Hawaiʻi.

Other evidence, such as permanent employment and ownership or continuous leasing of a dwelling in Hawaiʻi, may apply, but *no single act is sufficient to establish residency in the State of Hawaiʻi.*

Other legal factors involved in making a residency determination include:

- The 12 months of continuous residence in Hawaiʻi shall begin on the date upon which the first overt action *(see evidence)* is taken to make Hawaiʻi the permanent residence. Residence will be lost if it is interrupted during the 12 months immediately preceding the first day of instruction.
- Residency in Hawaiʻi and residency in another place cannot be held simultaneously.
- Presence in Hawaiʻi primarily to attend an institution of higher learning does not create residence status. *A nonresident student enrolled for 6 credits or more during any term within the 12-month period is presumed to be in Hawaiʻi primarily to attend college. Such periods of enrollment cannot be applied toward the physical presence requirement.*
- The residency of unmarried students who are minors follows that of the parents or of the legal guardian. Marriage emancipates a minor.
- Resident status, once acquired, will be lost by future voluntary action of the resident inconsistent with such status. However, Hawaiʻi residency will not be lost solely because of absence from the State while a member of the United States Armed Forces, while engaged in navigation, or while a student at any institution of learning, provided that Hawaiʻi is claimed and maintained as the person's legal residence.

These considerations do not exhaust all the factors that affect the determination of residency. For information consult *Rules and Regulations Governing Determination of Residency as Applied to Tuition Payments and Admission at All Institutions Under the Jurisdiction of the Board of Regents of the University of Hawai'i.*

Board of Regents Exemptions

Once classified as nonresident status, students continue in this status at the College until submitting satisfactory evidence to Admissions & Records that proves otherwise.

The maximum number of nonresident students that can be accepted by the College is limited by Board of Regents policy. Students classified as nonresidents are required to pay nonresident tuition, unless exempted from paying such tuition through one of the statutory exemptions listed below:

1. *Nonresidents may be allowed to pay resident tuition if they qualify as one of the following:*
   - United States military personnel and their authorized dependents during the period such personnel are stationed in Hawai'i on active duty.
   - Members of the Hawai'i National Guard & Hawai'i-Based Reserves.
   - Full-time employees of the University of Hawai'i and their spouses and legal dependents (as defined under Internal Revenue Service rules.)
   - East-West Center student grantees pursuing baccalaureate or advanced degrees.
   - Hawaiians, descendants of the aboriginal peoples that inhabited the Hawaiian Islands and exercised sovereignty in the Hawaiian Islands in 1778.
2. *Citizens of an eligible Pacific Island district, commonwealth, territory, or insular jurisdiction, state, or nation that does not provide public institutions that grant baccalaureate degrees may be allowed to pay 150% of the resident tuition. At time of publication, these included the following:*
   American Samoa, Commonwealth of the Northern Marianas, Cook Islands, Federated States of Micronesia, Futuna, Kiribati, Nauru, Niue, Republic of Palau, Republic of the Marshall Islands, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu, Wallis.

This list is subject to change. For a current list, contact the Admissions & Records Office or visit: www.hawaii.edu/admissions/.

Misrepresentation

A student or prospective student who provides incorrect information on any form or document intended for use in determination of residency status for tuition purposes will be subject to the requirements and/or disciplinary measures provided for in the rules and regulations governing residency status.

Appeal Process

Residency decisions may be appealed by contacting the Residency Officer/Registrar for information on how to initiate an appeal. Appeals are heard by the Committee on Resident Status only after the resident tuition is paid.

REFUND POLICY

Several refund policies are applicable:

1. Regular Academic Semester

In the event students initiate before the fifth week of instruction a complete withdrawal from the University (or College), changes from full-time to part-time status, or changes from one tuition rate to another, if applicable, tuition and special course fees are refunded as indicated below:

- 100% refund for complete withdrawal only if made before or during the first week of instruction as announced on the College homepage.
- 50% refund if complete withdrawal or change in status or tuition rate is made within the 2nd & 3rd weeks of instruction, unless otherwise stipulated by federal regulations.

When changes by the College to the published schedule of classes precipitate a complete withdrawal, or a change from full-time to part-time status, or a change from one tuition rate to another tuition rate, and the changes to the published schedule have occurred after the student registered, tuition and special course fees are refunded as indicated below upon approval of the Vice Chancellor of Academic Affairs or Vice Chancellor of Student Affairs:

- 100% refund if complete withdrawal is necessary and if application for refund is made within two weeks of

the date of change(s) to the published schedule.
- The difference between the amount assessed at registration at the start of the semester and the amount assessed due to change in status or tuition rate if such a change is necessary and if application for refund is made within two weeks of the date of the change(s) to the published schedule.

After students secure the required approvals, students must submit the application for refund to the campus Business Office for payment. In no case shall payment of a refund be made when a student fails to make application for a refund within two weeks of date of withdrawal, change in status, or change in tuition rate.

2. Special Course Fees

For Summer Session, CCECS, and other short-term courses:

- 100% refund for complete withdrawal if made on or before the last working day before the first day of instruction.
- 50% refund in accordance with the following schedule, based on length of the course term and number of calendar days elapsed, including the first day of class instruction, when the withdrawal is made:

Term	50% Refund
1 week	No refund
2 weeks	1-3rd day
3 weeks	1-4th day
4 weeks	1-5th day
5 weeks	1-7th day
6 weeks	1-8th day
7 weeks	1-10th day
8 weeks	1-11th day
9 weeks	1-12th day
10 weeks	1-13th day
11 weeks	1-14th day
12 weeks	1-15th day
13 weeks	1-16th day
14 weeks	1-17th day
15 weeks	1-18th day
16 weeks	1-19th day

For credit courses with unique distribution of class meeting hours through the term of the course, the refund schedule is based on the elapsed instructional time as a percentage of the total instructional time for that course:

- 100% refund for complete withdrawal if made on or before the last working day before the first day of instruction.
- 50% refund in accordance with the schedule in the previous column, based on length of the course term and number of calendar days lapsed, including the first day of class instruction when the withdrawal is made.

For non-credit courses or workshops:

- One to five weeks in length - 100% refund for complete withdrawal if made on or before the last working day before the first day of class meeting; thereafter, no refund.
- Six weeks or longer - 100% refund for complete withdrawal if made on or before by the sixth working day, after the first day of class instruction; thereafter, no refund.

  Refunds for financial aid students who withdraw completely or stop attending classes will be made in accordance with federal regulations.

🖐 For information, call the Financial Aid Office at 984-3277.

3. Student Life/Activity, BOSP, Student Health, and Student Technology Fees

- 100% refund of student activity fee, student health fee, board of student publications fee, and student technology fee if complete withdrawal is made within the first week of instruction.
- No refund of student activity, student health, board of student publications, and student technology fee if complete withdrawal is made after the first week of instruction.
- No refund of the student activity fee or student technology fee in cases of voluntary change from full-time to part-time status after the first week of instruction.

POLICIES

Employment of Graduates

Section 177.64 of *Rules and Regulations Governing the Guaranteed Loan Program (20 U.S.C. 1071 through 1087-1)* requires that participating institutions make a good faith effort to present prospective students, prior to the time they obligate themselves to pay tuition, with a complete and accurate statement about the institution, its current academic or training program, and its faculties and facilities, with particular emphasis on those programs in which the prospective students have expressed interest. Further, in the case of an institution having courses of study, the purpose of which is to prepare students for a particular vocational, trade, or career field, such statement shall include information regarding the employment of students enrolled in such courses, in such vocation, trade, or career field.

Accordingly, applicants are advised to secure a copy of the current catalog of prospective campuses in order to gain information describing the nature of the campus, its academic and student services programs, its faculties, and its facilities. Further, applicants are advised to contact CareerLink *(UHMC Career Resource Center)* to access information on employment potentials for specific academic programs.

Non-Discrimination and Affirmative Action

It is the policy of the University of Hawaiʻi to comply with federal and state laws which prohibit discrimination in University programs and activities, including, but not necessarily limited to, the following laws which cover students and applicants for admission to the University:

- Titles VI and VII of the Civil Rights Act of 1964 as amended *(race, color, religion, sex, pregnancy, national origin)*
- Age Discrimination Act of 1975 *(age)*
- Title VIII of the Public Health Service Act as amended *(sex)*
- Title IX of the Education Amendments of 1972 *(sex)*
- Executive Order 11246 as amended *(race, color, national origin, religion, and sex)*

- Equal Pay Act of 1963 as amended by Title IX of the Education Amendments of 1972 *(sex)*
- Age Discrimination in Employment Act of 1967 *(age)*
- Section 402 of the Vietnam Era Veteran's Readjustment Assistance Act of 1974 *(veteran status)*
- Sections 503 and 504 of the Rehabilitation Act of 1973 *(disability)*
- American's with Disabilities Act of 1990, as amended (disability)
- Hawaiʻi Revised Statutes, Chapters 76, 78, 378 *(race, sex, sexual orientations, age, religion, color, ancestry, political affiliation, disability, marital status, arrest and court record, domestic or sexual violence victim status, lactation, assignment of income for child support obligation, credit history or credit report)*

The UH Community Colleges strive to promote full realization of equal opportunity through a positive, continuing program including Titles I-IV of the Americans with Disabilities Act (ADA) P.L. 101-336. Accordingly, vocational education opportunities will be offered without regard to race, color, national origin, sex, or disability. American citizens or immigrants with limited English proficiency skills will not be denied admission to vocational education programs.

In addition, employees and applicants for employment are protected under Title IX, Title II, and Section 504.

As an integral part of its Policy on Nondiscrimination & Affirmative Action, the Office of the President, University of Hawaiʻi hereby declares and reaffirms its commitment to the University's pursuit of equal education and employment opportunity and further declares that any harassment of students or employees on the basis of sex is prohibited and will not be tolerated.

🖐 Complaints of this nature are addressed by Debbi Brown, phone 808-984-3601.

Individuals designated to coordinate the UH Community College nondiscrimination and affirmative action programs are:

EEO/AA UH Community Colleges

Mary Perreira
2327 Dole Street
Honolulu, Hawai'i 96822
Phone: 808-956-4650 (VIT)

Title IX Coordinator

Debbi Brown
Title IX Coordinator
UH Maui College
808-984-3601

EEO/AA Coordinator UH Maui College

Debbi Brown
Title IX Coordinator
UH Maui College
808-984-3601

Section 504 Coordinator - Students

Shane Payba
Disability Services Counselor
UH Maui College
808-984-3227

Section 504 Coordinator - Employees

Susan Tokunaga
Personnel Manager
UH Maui College
808-984-3380

Discrimination Complaints

Students, employees, or applicants for admission or employment who believe they have been discriminated against on the basis of race, sex, age, religion, color, ancestry, sexual orientation, national origin, disability, marital status, veteran status, or arrest and court record may file a complaint with:

Debbi Brown, EEO/AA Coordinator
Pilina 133, phone 808-984-3601.

The EEO/AA coordinator will explain the available avenues of recourse and direct the person to the appropriate person or office. The process of addressing allegations of discrimination are described in the *Administrative Procedure A9-920 2210 UH Community College Procedures and Guidelines, Relating to Complaints of Discrimination and in campus Section 504/ADA Grievance Procedure.*

Students may also file complaints of discrimination at the following address:

Mary Perreira
Director of EEO/AA
UH Community Colleges
2327 Dole St.
Honolulu, HI 96822
Phone: 808-956-4650

Family Education Rights and Privacy of Students

Pursuant to Section 99.6 of rules and regulations governing the Family Educational Rights & Privacy Act (FERPA) of 1974 (hereinafter the Act), student in attendance at the University of Hawai'i Maui College are hereby notified of the following:

1. It is the policy of UH Maui College to subscribe to requirements of Section 438 of the General Education Provision Act, Title IV, of Public Law 90-247, as amended, and to the rules and regulations governing the Act, which protect the privacy rights of students.

2. The rights of students under the Act include the following, subject to conditions and limitations specified in the Act:
   a. The right to inspect and review education records.
   b. The right to request to amend the student's education records.
   c. The right of protection from disclosure by UH Maui College of personally identifiable information contained in education records without permission of the student involved.
   d. The right to file complaints concerning alleged failures by UH Maui College to comply with the Act.

3. Students are advised that institutional policy and procedures required under the Act have been published as Administrative Procedure AP 7.022-Procedures Relating to Protection of the Educational Rights and Privacy of Students. Copies of AP A7.022 may be obtained from the Office of the Vice Chancellor of Student Affairs at UH Maui College.

4. Students are advised that certain personally identifiable information is considered by the College to be Directory Information and, in response to public inquiry, may be disclosed in conformance with state law, at the College's discretion, without prior consent of the student unless the student otherwise so informs the College not to disclose such information.

   - Name of student
   - Major field or study
   - Educational level *(freshman, sophomore, etc.)*
   - Fact of participation in officially recognized activities or sports
   - Weight and height of members of athletic teams
   - Dates of attendance
   - Degrees and awards received

   Students have the right to request that any or all of the above items not be designated Directory Information with respect to themselves. Should students wish to exercise this right, they must, in person and in writing, not earlier than the first day of instruction nor later than 14 calendar days from the first day of instruction for the academic term or semester, or the fourth day of a summer session, inform Admissions & Records which of the above items are not to be disclosed without the prior consent of the student.

5. A parent or spouse of a student is advised that information contained in educational records, except as may be determined to be Directory Information, will not be disclosed to him/her without the prior written consent of the son, daughter, or spouse.

Visit: *http://maui.hawaii.edu/privacy-policies/* for more information.

Emergency Situations: In case of an emergency requiring contact information, inquiries may be directed to the Office of the Vice Chancellor for Student Affairs (808) 984-3512 or the UH Maui College Admissions & Records Office (808) 984-3267.

College Regulations

Classification of Students

Full-time students are enrolled for 12 or more credits per semester.

Part-time students are registered for fewer than 12 credits per semester.

Classified students are defined as individuals who have declared *(i.e., notified the College of)* a specified major.

Unclassified students are enrolled but do not wish to earn a degree or certificate.

Continuing Student Status

Enrollment in at least one UH Maui College class each fall and spring term is required to maintain active student status with Maui College. Students who are not enrolled or completely withdraw from Maui College and reapply for admission may be subject to the catalog requirements that are in effect at the time of readmission.

Class Standing

Class standing is a designation that defines a student's progress toward their graduation goal based on the number of credits earned (including transfer credits). Effective Fall 2015 sophomore status is reached after the student earns 30 credits. Associate and bachelor degrees require, respectively, at least 60 and 120 credits, so an average of 15 credits per semester, or 30 credits per year, is necessary to complete the minimum number of credits required for on-time graduation. Class standing levels provide students with a more accurate indicator of the progress they are making toward their degree. *Note: Federal financial aid awards for full-time status will continue to be based on 12 credits.*

Admission to Classes

Before attending any class, students must have completed the registration process. Students who attend classes without completing the registration process will not be considered as officially enrolled.

Payment deadlines are posted on the College homepage for each semester and academic calendar.

Change of Information

Changes in student information (address and phone number) may be made online at MyUH Services. A Change of Information form is also available at Admission and Records and Outreach Centers at Hāna, Lahaina, Lāna'i, and Moloka'i. Students may also consult with a counselor regarding a change to their major.

Change in Registration: Add, Withdrawal, Erase Period

Students may add courses up to the final day of Late Registration in each semester. Requests to add courses after this period must be approved by the instructor of the course and an appeal. Forms for such action may be obtained at Admission & Records. *See section on Tuition & Fees.*

Credit Load

Students are allowed to register for up to 18 credits. Starting the week before the first week of instruction, students may enroll for additional credits with approval of a counselor.

Course Credit

All classes require students to spend out-of-class time, as well as in-class time for face-to-face classes. Face-to-face classes expect that for each 1-credit, students spend 1 hour of in-class time and 2 hours out-of-class time. For a typical 3-credit class, students attend 3 hours/week of class time, and spend 6 hours of out-of-class time on class work. Online classes combine these hours for a total of 9 hours/week spent on each 3-credit course.

Course Load

It is important for students to balance their class and study time, employment, and other commitments. The following table is a guide for balancing work with school.

Employed hrs./wk.	Recommended load
40 hrs.	3 - 7 cr.
30 hrs.	6 - 9 cr.
20 hrs.	9 -12 cr.
10 hrs.	12 -15 cr.
none	15 -18 cr.

Repeating Courses

Students may repeat any UH Maui College course once with the instructor's permission, then may repeat a course only with permission of the Vice Chancellor of Academic Affairs. The credit from a repeated course is entered once toward the credit earned and applied only once toward a certificate or degree requirement, unless specified otherwise in the course description. All grades are reflected on the transcript, but only the highest grade is computed into the grade point average.

Final Exams

A final evaluation period is designated for the end of each semester. The schedule is available on the College homepage and on Room Use fliers posted on classroom doors.

GRADE REPORTS

Grade Reports are viewable online at MyUH Services. Requests for a hard copy may be made at Admission & Records or from the Hāna, Lahaina, Lāna'i, or Moloka'i Education Center coordinators by completing a transcript request and paying the applicable fees.

Grading System

The system of grades and grade points are:

Option I		A-F Grading
A	Excellent	4 grade points
B	Above Average	3 grade points
C	Average	2 grade points
D	Minimal passing	1 grade point
F	Failure	0 grade points
N	Work in Progress	0 grade points
W	Withdrawal	No grade points
I	Incomplete	No grade points
L	Audit	No grade points
RD	Record Delayed	Temporary grade

Option II		Credit/No Credit
CR	Credit	No grade points
NC	No Credit	No grade points
I	Incomplete	No grade points
W	Withdrawal	No grade points

Students may select the grading option desired via MyUH Services at the time of registration. Most courses may be taken as either the graded Option I *(A, B, C, D, F, N, W, I, L)* or the Credit/No Credit Option II *(CR, NC, I, W)*.

If students do not change the grading option, they will receive a letter grade for the course. If they wish to change the option to CR/NC, they must change it via the MyUH Services up to the deadline published on the homepage. Change of option to Audit must be done in person at Admission and Records. It is the responsibility of students to inform instructors of the grading option elected prior to the deadline to change grade option. Without a declaration, instructors will assume that students have elected Option I.

N *(Work in Progress)* grade is used only in specific developmental courses: ENG 10, 19, 21, 22, 90v, and 98; LSK 30 and 90v; MATH 75X, and 82. The N grade indicates that the student is not yet prepared to succeed at the next level. N grades do not affect the GPA and may be repeated as specified in the College Repeat Policy.

I *(Incomplete)* grade is given to students who were progressing satisfactorily during the semester, but failed to complete the semester because of illness or other condition beyond the students' control. The Incomplete will become the grade the instructor has indicated depending upon the grading option (I or II) selected; e.g., an I/D becomes a D if the work is not completed before the Incomplete Deadline of the next academic term. It is the responsibility of students to inform their instructor if they wish to request an Incomplete.

CR *(Credit)* grade is equal to grade C or better. Credits are awarded for CR grades, but no grade points are calculated.

L *(Audit)* grade is given to students who enroll in courses as auditors. Credits are not awarded under this option. Students must be declared as an auditor by the Change of Grade deadline published on the homepage under *Academic Calendar.*

GPA *(Grade Point Average)* is determined by multiplying the credit received for a course by the number of grade points and dividing by the total number of credits attempted.

Note these exceptions:

- A maximum of 30 credits of CR grades may be applied toward a degree program at UH Maui College. It is strongly recommended that students take courses in their major on a letter grade basis.
- Certain courses are designated as CR/NC only. These courses may be taken only on a credit/no-credit basis.

Note these cautions:

- Students planning to transfer to a 4-year institution should consult that institution's catalog regarding its policy regarding acceptance of CR grades.
- The Credit/No Credit option at UH Mānoa is limited to elective courses. The CR/NC option is not allowed for any course taken to fulfill a University or College core requirement nor a Department requirement, with the exception of those courses designated Credit/No Credit only. Students planning to transfer to UH Mānoa should follow this UH Mānoa policy when taking courses at UH Maui College.
- Scholarships are often contingent upon successful graded scholastic performance.
- Students opting to take courses for CR/NC when the letter grade option is available are not eligible for the Dean's Honor List.
- No audited classes are allowed for financial aid.

PROFESSIONAL LICENSURE INFORMATION

If you are not a resident of Hawai'i and you are taking an online course or program leading to professional licensure, UH Maui College cannot confirm whether the course or program meets your state's professional licensure requirements. Please verify with the appropriate licensing board in the state you intend to practice.

ACADEMIC PROBATION POLICY

A cumulative GPA of 2.0 is required to remain on satisfactory academic progress at UH Maui College. Students who do not meet this minimum GPA at the end of any semester will receive a warning of unsatisfactory academic progress. If satisfactory progress is not made in ensuing semesters, students will be placed on academic proba-

tion and eventually suspended or dismissed from the College.

All students notified of unsatisfactory academic progress are required to meet with an academic counselor prior to registration so that an academic plan can be created.

1. Warning

Students are placed on academic warning at the end of any semester in which their cumulative GPA falls below 2.0. A warning is not notated on the permanent academic record. Warned students may continue to attend UH Maui College but must raise their cumulative GPA to 2.0 or higher in the semester immediately following. Failure to do so will result in academic probation.

2. Probation

If students on warning fail to raise their cumulative GPA to a 2.0 or higher, they will be placed on academic probation. Notation of probation is made on the student's permanent academic record. Probationary students may continue to attend UH Maui College under the following terms:

- Students will be allowed to enroll only in courses approved by an academic advisor.
- Students will meet regularly, thereafter, with that advisor to review progress.
- Students must earn a semester GPA of 2.0 or higher in each probationary semester.
- Students will remain on probation until their cumulative GPA is raised to 2.0 or higher.
- Students on probation receiving term GPA below 2.0 for two consecutive semesters will face suspension.

3. Suspension

Students will be suspended for failing to meet the terms of probation. Notation of academic suspension is made on the student's permanent academic record. Suspended students are eligible to apply to UH Maui College after a wait period of at least two full semesters *(not including summer session)*. Students returning after suspension will be placed on probation during the semester of re-

entry. Under extenuating circumstances, a waiver of the wait period may be granted, allowing the student to enroll. The student must apply for a waiver from the Vice Chancellor of Academic Affairs prior to the official first day of instruction for the following semester. Suspension can occur only once; failure to meet the terms of probation after returning from suspension will result in dismissal.

4. Dismissal

Students returning after suspension may be dismissed for failing to meet the terms of probation. A dismissed student may be readmitted only after careful review of their academic record and meeting with the Vice Chancellor of Academic Affairs.

5. Removal from Probation

Students will be removed from probation once the cumulative GPA is raised to 2.0 or higher.

6. Appeals

Students may appeal a decision regarding academic probation, suspension, or dismissal by filing a formal petition with the Vice Chancellor of Academic Affairs. Appeals must be filed as soon as notification of probation or suspension is received, and prior to the first day of instruction of the following semester.

ACADEMIC RENEWAL POLICY

Academic Renewal, if student's application is approved by UHMC, allows students with coursework three (3) years old or older an opportunity to exclude that coursework for select purposes once they have demonstrated new academic responsibility. The Academic Renewal Policy and student Request Form found at maui.hawaii.edu/wp-content/uploads/2018/05/Academic-Renewal-Application-Form_12.29.17.pdf establishes the policy and procedures for students to initiate academic renewal. For the purposes of this policy, academic renewal is defined as the elimination of up to four (4) consecutive semesters' credits from the calculation of the grade point average.

SCHOLASTIC HONORS

1. Dean's List

Each semester a Dean's List is compiled recognizing students with a grade point average of 3.5 or better in 11 or more credits with a letter grade. The CR grade may be used only when the letter grade option is not available.

2. Phi Theta Kappa

Phi Theta Kappa, a national honor society for two-year colleges, was chartered at the College in 1972 as the Psi Sigma chapter. Objectives are to recognize academic achievement and to promote scholarship, service, leadership, and fellowship among talented students on campus and internationally. To qualify for membership, students must have completed 12 credits at the 100-level or above and have a cumulative GPA of 3.5 or higher.

For more information, email epeterso@hawaii.edu or visit *www.ptkmaui.org*

3. Graduation with Honors

Students who achieve a cumulative grade point average of 3.5 for credit earned at UH Maui College will receive their degrees or Certificates of Achievement with honors. Only students who earned a minimum of 27 credits at the College, of which at least 24 credits were taken for a letter grade, are eligible for graduation with honors.

GRADUATION

In order to receive a degree or certificate, students must complete the Graduation Application process. A graduation checklist outlining the requirements is available at the Counseling Center or on STAR. Preparation for graduation, including meeting all requirements, is the responsibility of the student. A commencement ceremony takes place at the end of each Spring semester.

Students are required to schedule an appointment with a counselor to complete the appropriate graduation application and to make payment of degree/certificate fees at the Cashier's Office.

Continuing students *(with no break in enrollment)* may meet the program require-

ments stated in the catalog for their year of entry into a program major, or they may choose to meet the requirements of any subsequent change in the program. However, students who stop-out must meet program requirements of the Catalog in effect upon their re-entry, or may choose to meet the requirements of subsequent program revisions that occurred while they were continuously enrolled.

Academic Exception

Students wishing to request an exception to program requirements as stated in the Catalog should consult with a counselor and then contact the Vice Chancellor of Academic Affairs for specific application procedures.

COLLEGE CREDIT EQUIVALENCY

Students with knowledge and skills obtained through previous coursework or experience have several options to apply for additional credit to their College program.

1. Transfer Credit

Courses completed at other regionally accredited colleges and universities with a grade D or better may be transferable toward a UH Maui College degree. The transcript evaluation is applicable only to UH Maui College degrees and certificates and may not apply to other UH system institutions. Students are responsible to have official transcripts from the institution sent directly to the Admission and Records Office. Some institutions use an online delivery method or use National Student Clearinghouse to deliver transcripts which can be accepted by UH Maui College. Course descriptions and Student Learning Outcomes may be requested for clarification purposes. A Transcript Evaluation Request form must be submitted to the Admission and Records Office. This form is available at the Admission and Records Office, the Counseling Department, or on the UH Maui College website.

Transcripts sent from international institutions must be translated to English through an accredited translation company and students must provide official transcripts for all courses they wish to have transferred. International transcripts must be approved by the UH System Transcript Evaluator and may take additional time for processing.

The UH Maui College Admission and Records Office reserves the right to transfer applicable courses based on the student's declared major. If a student changes program of study or notices a discrepancy in their transfer credit evaluation, the student can request a re-evaluation of their transcripts. If a student chooses to request a re-evaluation, the student must provide additional information to the Admission and Records Office. UH Maui College will not transfer in developmental courses, which are generally courses numbered below 100. For more information about transfer credit evaluation policies visit our website at *maui.hawaii.edu/transfer-credit*

2. Hawaiian or Second Language Back Credits

Students who placed above the 101 level in Hawaiian or foreign languages offered at the College can receive, at no additional cost, credits for the courses for which they are exempted upon completing the next course in the sequence with grade C or better. For example, upon completing 102 with a C or better, students will also earn the credit for 101; upon completing 202 with a C or better, students will also earn the credit for 101, 102, and 201.

Students who place above the 202 level, including a native speaker of the language, can receive credit for the full course sequence provided they complete, with grade C or better, any course in any field (e.g., history, literature, culture, language, Hawaiian studies, anthropology, education, or musicology) in which they make significant use of the language. The judgment as to "significant use" is normally made by the instructor of the course students have taken. If no classes above 202 are available that provide "significant use," students or native speakers must pass the 202 course with grade C or better.

Back Credit Implementation Guidelines

- **Eligibility:** The UH Maui College back credit policy went into effect in Fall 2006. Classified students at the College may apply for back credits in language. The back credits will count toward the College's degrees and cer-

tificates. *Note: The University of Hawai'i at Mānoa (UHM) allows back credits only to those students who entered the University of Hawai'i system in Fall 2001 or later, or who have chosen to graduate under the UHM General Education Requirements adopted in Fall 2001. Other colleges or universities in the UH system and elsewhere may have different policies regarding back credits or policies that may prevent the transfer of UH Maui College back credits.*

- **Placement Examination:** See Hawaiian or foreign language departments to schedule a placement exam. Based on results of the placement tests and/or oral interviews with language teachers at the College, students are placed in 100 or 200 level language courses.

- **Bilinguals:** Bilinguals and native speakers are eligible for back credits, providing they complete with grade C or better in an appropriate post-202 language course. Students should contact the Hawaiian or foreign language departments for a list of courses above 202 that may be available in language at UH Maui College, or via distance education.

- **Back Credits/Grades:** Back credits are awarded with no grade designation.
- **Transfer Credits:** Students may not apply for back credits based on courses above 101 taken outside the UH system or in high school, including those courses for which AP credits have been granted by UH Maui College.

- **Number of Languages:** Back credits may be earned for only one language.

- **Number of Credits:** Students may earn from 3 to 16 back credits: 6 to 8 for first-year language courses, and 6 to 8 for second-year language courses.

- **Petition Forms:** Back credits will not be awarded automatically. Students interested in obtaining back credits must initiate the process. Forms for back credit requests are available through language course instructors or the Humanities Department office.

3. Prior Learning Assessment

Students with personal and professional learning obtained outside the traditional classroom that is equivalent to college-level learning may earn credits toward a degree or certificate through Prior Learning Assessment (PLA). The measures offered on this campus vary by program, but in general, include a) Credit By Examination, b) Equivalency Exam, c) Non Collegiate-Sponsored Education Credit, and Portfolio. Where specific policies are not identified, prior learning related to a student's educational program may be reviewed and credit awarded at the discretion of the appropriate academic program. Students must consult with their academic and faculty advisors to assess the advisability of seeking credit for PLA, to choose the most appropriate type of PLA, and to

determine a PLA assessment strategy. Credits earned through PLA will carry a grade of CE, CR, or PA, which does not impact grade point average. Fees accessed are based on the PLA option.

❧ Contact The Learning Center at 984-3240 for further information.

a. Credit-by-Examination

All students officially registered in a course who present evidence to the instructor that through experience or training they have had the equivalent of the course, but have not received college credit for it, may apply for credit-by-examination.

Upon application by students and approval by the appropriate instructor and department chair, a comprehensive test shall be administered and evaluated by the instructor. Students are encouraged to apply for and take the exam prior to the end of the late registration period. An examination may not be repeated. A grade of CE is recorded on the student's transcript to indicate credit earned through credit-by-exam. A CE grade will not be computed in the GPA, but credits earned can be counted toward graduation. Credits earned by examination are not eligible for financial aid.

b. Equivalency Examinations

CLEP. Credit may be earned for courses parallel to those offered by the College by taking College Level Examination Program (CLEP) tests. To receive credit, one must be enrolled at the College, but not necessarily in the course(s) for which examined. The number of credits awarded is based upon the credit value of parallel courses at the College. Only the CE grade is given.

Minimum test scores for receiving credit will be those published by the College Board. Credit-by-examination through CLEP in an elementary foreign language course is not available if the applicant is a native speaker of that language.

❧ For information, call 984-3530.

DSST. Credit may be earned for courses parallel to those offered by the College by taking DANTES Subject Standardized Tests (DSST). The American Council in Education Guide will be used for determining credit value and relevance to UH

Maui College programs. Only CE grades are given.

AP Exams. Students who take the College Board Advanced Placement (AP) Examination may be granted college credit for equivalent courses offered at the College in accordance with the criteria established by the UH Mānoa College of Arts & Sciences. Application forms for Advanced Standing Credits are available at Admission & Records and the Counseling Center. Because Advanced Placement policies vary with each college, those who plan to transfer elsewhere should seek information regarding applicability of such scores to their particular majors.

IB Exams. Advanced Standing credit may be awarded for coursework completed in the International Baccalaureate (IB) Program. Contact the Admission & Records Office for equivalencies.

c. Credit for Non-Collegiate Instruction

College credit may be awarded for successful completion of a formal course offered by an institution other than a college (e.g., labor union courses, agency training programs, professional workshops, military courses) if that course is found comparable to college-level material.

An evaluation will be done only for enrolled students who have completed at least 12 credits of regular offerings at the College. Only credits applicable toward a designated associate degree or certificate will be evaluated. No more than one-third of the credits required for a degree or certificate may be earned through non-traditional methods. The College will record a grade of CE or CR as appropriate. If students transfer to another college, transfer of non-collegiate credits is subject to the policies of the admitting institution.

TRANSFER TO 4-YEAR INSTITUTIONS

Four-year colleges and universities have different lower division requirements, which change frequently. Students should select UH Maui College courses according to their intended major at the four-year institution where they plan to transfer.

Students are responsible for identifying requirements of the institution and program to which they plan to transfer. Students are encouraged to consult a counselor.

Transfer to UH Hilo, UH Mānoa, or UH West Oahu

Before transferring to the UH Hilo, Mānoa, or West Oahu, students should plan their UH Maui College academic program according to requirements of their intended major at the receiving institution. Students who intend to transfer are urged to verify UH Maui College course selections with a counselor for equivalency at the receiving institution before each semester's registration.

Articulated AA Degree

Students who have earned an articulated Associate in Arts (AA) degree from a UH Community College shall be accepted as having fulfilled the general education core requirements at all other UH campuses. While an articulated AA degree satisfies general education core requirements, students must also complete all specialized lower-division, major, college, and degree/graduation requirements.

Additional campus-specific requirements, such as competency in Hawaiian or a foreign language or writing-intensive courses, may be required. With planning, most if not all of those requirements may be incorporated into the AA degree; if not, they are required in addition to the AA degree.

As requirements will differ among the UH colleges, students should be guided by the most current information and consult UH Maui College counselors for assistance.

Reverse Transfer

A reverse transfer is a process in which academic credits for coursework completed at one of the UH 4-year universities (UH Mānoa, UH Hilo, or UH West O'ahu) and are transferred back to Maui College to satisfy associate degree requirements.

❧ Contact the counseling department at 808-984-3306 for further information.

Automatic Awarding of Degrees and Certificates

A student is notified of the potential to earn a credential when enrolled in coursework that will fulfill requirements to complete a certificate or degree. Upon successful completion of requirements, an academic credential is notated on the student's official transcript, unless the student notifies awarding institution not to notate the completed credential. Notation of the academic credential is completed at no cost to the student.

ꙮ Contact the counseling department at 984-3306 for further information.

Automatic Admission

Students graduating from any of the University of Hawai`i seven community colleges with an AA degree or selected AS degrees will be notified that they may be eligible for automatic admission to UH Manoa, Hilo, or West O`ahu. Qualified students receive an email notification informing them of their eligibility and must respond in order to take advantage of this opportunity.

ꙮ Contact the counseling department at 984-3306 for further information.

Attendance & "No-Shows"

Students are expected to attend all their classes, and especially the first class session. Instructors reserve the right to drop "no shows" who have neither made prior arrangements nor been granted prior approval for their absence. Dropped students are eligible for a tuition refund, in accordance with the Refund Schedule. Classes that are dropped during the erase period are not recorded on the student's permanent record. "No Shows" who do not officially withdraw from a class may receive the grade of F in that class.

Core Courses

College catalogs, published once per year or less frequently, do not always reflect the most recent campus actions involving UH system core courses. For current information about core courses, visit: *www.hawaii.edu/*

SAFETY REGULATIONS

In classrooms, labs, and shops, and on field trips, the personal safety of students and instructors is extremely important. Safety lectures, demonstrations, quizzes, and other activities are a regular part of the College's instructional program.

Certain types of protective equipment are required for participation in many activities taking place in classrooms, labs, and shops. Students are required to participate fully in safety-related instruction, furnish their own personal protective equipment, supplies, and uniforms when required, and utilize College protective equipment when provided. Failure to act in a safe, responsible manner may result in immediate removal from class.

Campus Security

The College is concerned about the safety and welfare of all campus members and guests, and is committed to providing a safe and secure environment. Because no campus is isolated from crime, the College has developed a series of Policies and Procedures that are designed to ensure that every possible precautionary measure is taken to protect persons on the campus.

ꙮ In an emergency on Kahului campus:
- Campus Security at 984-3255;
- Maui Police Department at 911 (or 9-911 from an inside line);
- Campus Security Chief at 984-3576

Campus Parking and Vehicles

The College has in place rules governing campus parking and vehicles to increase pedestrian safety, reduce traffic congestion, and provide for safe and orderly parking on the campus. Any motor vehicle may be removed from the campus at the expense of the owner/driver of the vehicle if it is in violation of these rules.

Violations include parking in prohibited areas such as, but not limited to, on grassed areas, medial strips, sidewalks, in reserved or loading stalls, in "No Parking" areas, fire lanes or along areas painted red and yellow (e.g., too close to intersection, in loading zones and driveway areas); driving on areas other than streets, roads, or parking areas; speeding over 10 miles per hour or other posted limits; reckless driving; failure to heed directions of a duly authorized officer; and failure to heed directions given on an official sign (e.g., failure to stop at stop sign, failure to obey a traffic sign).

All owners and operators of motor vehicles parked or operated on campus shall assume the risk of, and the College and University shall not be responsible, or liable for, any loss or damage occasioned by fire, theft, or other casualty to motor vehicles or any

contents therein. Each such owner and operator of a motor vehicle parked or operated on campus shall indemnify and save harmless the College and University from and against all claims, demands, costs, and expenses whatsoever arising out of or in connection with parking or operation of such motor vehicle on campus.

In addition, use of skateboards and scooters is not allowed on College property.

Smoke-and Tobacco-Free Campus

Effective July 10, 2018: all University of Hawai`i campuses and facilities became tobacco-free, joining more than 2,000 U.S. universities and colleges in an effort to provide a healthy environment for all students, faculty, and staff.

Hawai`i state law (SB 134, Act 160, SLH 2018) now prohibits the use of tobacco products at the University of Hawai`i Maui College, and at all 10 UH campuses and university-owned facilities.

We encourage all persons, including students, faculty, staff, contractors, and visitors, to refrain from using tobacco products while on property owned or operated by the University of Hawai`i for a healthier environment. "Tobacco products" include, but are not limited to, cigarettes, cigars, pipes, smoking tobacco, electronic cigarettes, vapes, and chewing tobacco. Mahalo!

ꙮ For the College smoking policy and more information, contact the Vice Chancellor of Administrative Affairs at 984-3253.

Animals on Campus

This policy establishes regulations regarding all domestic, feral, wild, stray, and service animals found on the UH Maui College main campus in Kahului. For the complete policy refer to *www.maui.hawaii.edu/policies/*.

Illicit Drugs and Alcohol

In conformance with existing law, University faculty, staff, and students are not permitted to manufacture, distribute, possess, use, dispense, or be under the influence of illegal drugs and/or alcohol as prohibited by state and federal law, at University-sponsored or approved events or on University property or in buildings used by the University for education, research, or recreational programs.

Consistent with its mission, the University will cooperate with law enforcement agencies responsible for enforcing laws related to use of illegal drugs and alcohol.

Students found in violation of this part shall be subject to provisions of the Student Conduct Code. Faculty and staff found in violation of this part are subject to disciplinary action as provided in collective bargaining agreements, University policy, and other applicable state laws and rules. The University recognizes that substance abuse is a complex problem that is not easily resolved solely by personal effort and may require professional assistance and/or treatment. Students, faculty, and staff members with substance abuse problems are encouraged to take advantage of available diagnostic, referral, counseling, and prevention services. The University will not excuse misconduct by employees and students whose judgment is impaired due to substance abuse.

The purchase, possession, or consumption of alcoholic beverages is regulated by state law. Students are expected to know and abide by state law and by University rules and regulations governing the use and consumption of alcoholic beverages on campus. Students are referred to Board of Regent policy, executive policies, and campus guidelines regulating the use and consumption of alcoholic beverages on campus.

Students are not permitted to be under the influence of, possess, manufacture, distribute, or sell illicit drugs, as prohibited by state law, at University sponsored or approved events, on University property, or in buildings used by the University for its educational or recreational programs. Reasonable suspicion of possession or use of illegal drugs and substances on campus may subject the students involved to investigation.

Sanctions that may be imposed on violators of the alcohol and drug related sections of the Student Conduct Code include disciplinary warning, probation, suspension, expulsion, or rescission of grades or degree. Copies of the full text of the Student Conduct Code are available in the Office of the Vice Chancellor of Student Affairs; the Hawai'i Penal Code is available in the Library.

Campus-sponsored activities on campus that involve either the serving or selling of alcoholic beverages must be approved by the Chancellor and be in compliance with applicable College/University policies and state law.

To read the full Drug and Alcohol Abuse Prevention Policy: *maui.hawaii.edu/daapp.*

☙ Hard copies of the college's Drug and Alcohol Abuse Prevention Policy governing the possession, consumption, serving, and sale of alcoholic beverages at UH Maui College may be requested from the Vice Chancellor of Student Affairs Debra Nakama at (808) 984-3515 or debran@hawaii.edu.

Lethal/Illegal Weapons

Weapons, Dangerous Substances or Materials or Compounds: Possession or use of any weapon (as defined by statutes*) or weapon replica on campus is strictly prohibited.

Also prohibited is the possession or use of the following: an object which is designed for the purpose of inflicting bodily harm or death; any object which is diverted from normal use and is prepared for threat or combat; any dangerous substance or material or compound which is used for other than its primary intended purpose and outside its prescribed license or safety guidelines.

Prohibited items include, but are not limited to: firearms, ammunition, explosives, knives or blades, arrows, spears or spear guns, powerheads (bang sticks), batons, fighting sticks, edged throwing stars, keychain weapons, defensive sprays. Exceptions for items authorized by the respective agency/campus: 1) University Campus Security Officers; 2) Sworn law enforcement response personnel; 3) Sworn personnel who are required to possess an off-duty weapon; 4) Personnel for formally coordinated events/occasions in which an exception must be requested, providing the request is made in writing no less than two weeks in advance of the event date and such request is approved by the campus Chancellor.

Note: As defined by the Hawai'i Revised Statutes 134 Part III: Dangerous Weapons (134-51 to 134-53)

Policy on Sexual Harassment

Sexual harassment is a form of sex discrimination that is prohibited by UH Executive Policy EP1.204, which prohibits sex discrimination and gender-based violence. Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, *and other verbal or physical conduct of a sexual nature:*

• when submission to or rejection of the conduct is either an explicit or implicit term or condition of an individual's employment, education, or participation in a University program, activity, or service;

• when submission to or rejection of the conduct by an individual is used as a basis in decisions affecting that individual's employment, education, or participation in a University program, activity, or service; or

• when such conduct is unwelcome to the person to whom it is directed or to others directly aware of it, and when such conduct is severe or pervasive and has the purpose or effect of either (a) unreasonably interfering with the employee's work performance or student's academic performance or (b) creating an intimidating, hostile, or offensive work or educational environment.

☙ To view the complete policy, visit *www.maui.hawaii.edu/title-ix/*, see "EP1.204: Policy and Procedure on Sex Discrimination and Gender-Based Violence"; or for more information, contact:

Debbi Brown
Title IX/EEO/AA Coordinator
Phone: 984-3601

Academic Dishonesty

Academic dishonesty cannot be condoned by the University. Such dishonesty includes cheating and plagiarism *(examples of which follow)* which violate the Student Conduct Code and may result in expulsion from the University.

Cheating includes but is not limited to giving unauthorized help during an examination, obtaining unauthorized information about an examination before it is administered, using inappropriate sources of information during an examination, altering the record of any grade, altering answers after an examination has been submitted, falsifying any official University record, and misrepresenting the facts in order to obtain exemptions from course requirements.

Plagiarism includes but is not limited to submitting, to satisfy an academic requirement, any document that has been copied in whole or part from another individual's work without identifying that individual; neglecting to identify as a quotation a documented idea that has not been assimilated into the student's

language and style, or paraphrasing a passage so closely that the reader is misled as to the source; submitting the same written or oral material in more than one course without obtaining authorization from the instructors involved; or dry-labbing, which includes (a) obtaining and using experimental data from other students without the express consent of the instructor, (b) utilizing experimental data and laboratory write-ups from other sections of the course or from previous terms when the course was conducted, and (c) fabricating data to fit the expected results.

Student Conduct Code

The UH Maui College has a Student Conduct Code which defines expected conduct for students and specifies those acts subject to University sanctions. Students should familiarize themselves with the Student Conduct Code, since upon enrollment at UH Maui College, students have placed themselves under the policies and regulations of the University and its duly constituted bodies.

The disciplinary authority is exercised through the Student Conduct Committee. The Committee has developed procedures for hearing allegations of misconduct.

Student Conduct Code information is available at: *www.maui.hawaii.edu/services-for-students/*, see *Student Rights and Responsibilities.*

Student Academic Grievance Procedure

It is a historically established rule of higher education that an instructor has authority to conduct classes, provide for the discussion of ideas, make assignments or other exercises, require examinations, and render judgments on the performance of students. This exercise of authority provides the foundation for an academic relationship between individual faculty members and individual students that is unique to colleges and universities. Certain basic expectations relevant to teaching and learning are spelled out in this procedure. If issues arise the University of Hawai'i has provided for the consistent and equitable resolution of legitimate student academic grievances.
☙ The procedures for a student academic grievance is found at: *www.maui.hawaii.edu/services-for-students/*.

REGULATIONS AND STANDARDS FOR FINANCIAL AID

Financial Aid Requirements

Title IV of the Higher Education Act of 1965 as amended: Section 484(a)(2) and (c), Section 485(a) and (k); and 34 CFR Part 668.16(e), 668.34 and 668.43 (c) (2) set forth certain conditions that must be met if a student is to receive aid under Title IV. In order to comply with these requirements, all financial aid recipients are required to meet the Satisfactory Academic Progress Policy.

Satisfactory Progress Policy & Financial Aid

All courses that appear on students' transcripts are considered in determining academic progress. This includes periods of enrollment for which students did not receive financial aid funds.

Satisfactory academic progress for financial aid recipients at UH Maui College is based on both qualitative and quantitative measures. To meet qualitative standards, students must maintain a cumulative grade point average (GPA) of 2.0. and complete at least 67% of their cumulative coursework. *The Financial Aid GPA is calculated by dividing the total grade points earned by the total class units attempted.* Quantitative standards dictate that financial aid recipients must complete coursework at a rate that assures completion of their academic program within a specific timeframe. The maximum financial aid time frame cannot exceed 150 percent of the published length of students' declared major for their degree.

Students who do not meet the cumulative qualitative and/or quantitative standard may be ineligible for financial aid. To regain financial aid eligibility, students must earn sufficient grades and/or complete the necessary credits to meet the qualitative and/or quantitative standards of progress. Students ineligible for financial aid based on the terms of our Satisfactory Academic Progress Policy (grades and/or time frame) may be reinstated through an appeals process with the Financial Aid Office.
☙ The full Financial Aid Satisfactory Academic Progress Policy statement is available at *maui.hawaii.edu/financial* and click on *Satisfactory Ac*ademic *Progress*.

Selective Service Registration and Federal Student Aid

Military Selective Service Act (P.L. 97-252) requires that beginning July 1, 1983, students who are required to register with the Selective Service System and fail to do so shall be ineligible to receive Federal Title IV student financial aid or incur other negative consequences.

This requirement affects all male students who are at least 18 years of age, who were born after December 31, 1959, and who are not currently on active duty with the armed forces. Members of the Reserves and National Guard are not considered on active duty and must be registered.

The group of affected males includes citizens and noncitizens eligible to receive Federal financial aid except permanent citizens of the Federated States of Micronesia, the Republic of Marshall Islands, or the permanent residents of the Republic of Palau.
☙ For information, call the Financial Aid Office at 984-3277.

Financial Obligations to the University

Students who have not satisfactorily adjusted their financial obligations (such as tuition and fees, traffic violations, parking tickets, unreturned library books, library fines, other fines, locker fees, laboratory breakage fees, transcript fees, loans past due, rental payments, financial aid overawards, etc.) may be denied registration, grades, transcripts, and diplomas. A copy of the *Rules and Regulations Governing Delinquent Financial Obligations Owed the University of Hawai'i* promulgated by the Board of Regents is on file at Student Services.

Pay Transparency Nondiscrimination Provision

The contractor will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. However, employees who have access to the compensation information of other employees or applicants as part of their essential job functions cannot disclose the pay of other employees or applicants to individuals who do not otherwise have access to compensation information, unless

the disclosure is (a) in response to a formal complaint or charge, (b) in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or (c) consistent with the contractor's legal duty to furnish information. If you believe that you have experienced discrimination contact OFCCP at 1.800.397.6251 | TTY 1.877.889.5627 | *www.dol.gov/ofccp*

Policy on Email Communication

The electronic communications policy adopted in December 2005 establishes the UH internet service as an official medium for communication among students, faculty, and staff. Every member of the UH system has a *hawaii.edu* address, and the associated username and password provide access to essential web announcements and email. You are hereby informed of the need to log regularly into UH email and web services for announcements and personal mail. Failing to do so will mean missing critical information from academic and program advisors, instructors, registration, and business office staff, classmates, student organizations, and others.

Consumer Information Disclosures

The Higher Education Act of 1965 (HEA), as amended by the Higher Education Opportunity Act of 2008 (HEOA), includes many disclosure and reporting requirements that post-secondary institutions participating in federal student aid programs make to enrolled and prospective students, parents, employees, and the public.

In compliance with federal law, a brief description of the information that must be disclosed, where to find the information online, and contact information for the responsible department is provided at *maui.hawaii.edu/consumerinfo.*

If you have questions or would like to request a printed copy of any materials, please contact call or email the appropriate office or contact the Vice Chancellor of Student Affairs Debra Nakama at (808) 984-3515 or *debran@hawaii.edu.*

Campus Services

The Library

The Library is a full-service, vibrant hub of student support and interaction. Features include in-person and online reference assistance for your research projects, designated group and silent study spaces, and thousands of print and electronic books, articles, music and films to help with your research and stimulate your intellectual curiosity.

☙ Access to library materials and research help is available at the physical library or online at *www.maui.hawaii.edu/library/*

Computing Services

The UH Maui College Computing Services manages and provides support for all UHMC campus and outreach computers, software, network, telephones, and related technology devices.

Faculty, staff and students in need of assistance can contact the UHMC IT Help Desk by submitting a ticket via maui.hawaii.edu/helpdesk or by simply emailing uhmchelp@hawaii.edu with a description of your issue.

☙ The help desk can also be reached via phone at 808-984-3283 or by visiting the help desk center located on the second floor of the Ka'a'ike building in room 203.

Bookstore

The UH Maui College Bookstore serves as a resource for the campus community by offering textbooks, school and office supplies, apparel, spirit items, and more.

As the authorized on-campus retailer for books, the Maui Bookstore provides required textbooks and supplemental study guides for courses. The Bookstore also offers many affordable options for textbook purchases including new, used, rental, and/or digital books, when available. For students who wish to sell books they no longer need, the Bookstore hosts a textbook buyback during the fall and spring semesters.

In select courses, the bookstore provides the Interactive Digital Access Program (IDAP), which converts books into digital interactive content. Students are able to access digital course material before the first day of the semester at an affordable price.

In addition, the Bookstore carries official UH and UH Maui College logo apparel, commencement regalia, art supplies/clay, gifts, sundries, and snacks. Most items are tax-free, and all purchases support the University of Hawai'i.

The Bookstore is open Monday through Friday, from 8:30 am–4:00 pm, (excluding state and federal holidays).

☙ For more information, call 984-3248 or email mauibook@hawaii.edu. Or visit the Bookstore website at: *www.bookstore.hawaii.edu/maui/*

The Learning Center

The Learning Center (TLC) helps students become successful, independent learners by providing tutorial assistance, face-to-face and online writing assistance, study skills instruction, placement testing, make-up exam services, distance learning testing, and computer laboratories with email and Internet access.

Tutorial support includes professional and peer assistance in reading, writing, math, study skills, foreign languages, and other subject areas upon tutor availability. Campuswide workshops on study skills, reading, and writing skills are offered.

Testing services include English and mathematics placement testing, course make-up testing, and distance learning testing. Testing assistance is also provided for students in need of special accommodations.

Textbooks, skills books, and educational software are available to students for independent study in TLC. Computer-assisted instructional software includes reading, writing, mathematics, and study skills.

Professional staff, student assistants, and peer tutors are available in TLC to assist students. Students may receive assistance on an appointment or walk-in basis.

☙ For more info, call 984-3240 or visit TLC website at *www.maui.hawaii.edu/tlc/.*

Printing Capabilities

Printing from computers is available in The Learning Center and the Library and costs ten cents per page for black and white printing and one dollar per page for color printing. Students may credit their free

Student ID card at any of the three locations or purchase a printing card at The Learning Center or the Library.

Food Court

The UH Maui College Culinary Arts program operates the Pa'ina Food Court that showcases cuisine prepared by chefs-in-training. Students and the public are invited to enjoy freshly prepared pastries, hot lunches, snacks, sushi, breakfast, beverages, and specialty coffees.

Six quick-serve outlets offer a broad selection of local and international foods. With its 175-seat capacity and a stage for cooking demonstrations and musical entertainment, the Pa'ina Food Court is a primary gathering place on the Kahului campus.

Pa'ina Food Court quick-serve outlets are:
- **Raw Fish Camp** – delicious sushi and premade Maui favorites.
- **Paniolo Grille** – distinctive pizzas, sandwiches, burgers, and fries.
- **World Plate** – foods with an international flavor, including Chinese stir fry, Italian pastas, and Hawaiian favorites.
- **Ramen** – traditional and contemporary ramen.
- **Campus Cafe** – grill service for breakfast and lunch.
- **Sugar Cubed Cafe & Bakery** – provides drinks, fresh baked pastries, and grab & go breakfast menu items.

The Leis Family Class Act Restaurant offers a memorable dining experience where students practice skills they will use in the hospitality industry. At the center of this living classroom is an exhibition kitchen, where patrons can watch up-and-coming chefs prepare their dishes. Appetizers, salads, soups, entrees and desserts highlight Maui's freshest locally-grown produce. Tucked into the corner of the restaurant is a beautifully appointed 18-seat private dining room available for reservations and private parties.

The Pa'ina facility operates daily as scheduled below when lab classes are in session.
- **Pa'ina Facility**
  Monday - Thursday: 7:30 am - 2:00 pm
  Friday: 7:30 am - 1:00 pm
- **The Leis Family Class Act Restaurant**
  Wednesday & Friday:
   Reservations from 11:00 am-12:30 pm
  Call 984-3280 • Online at *OpenTable.com*

- **Catering Services**
  Call Douglas Paul at 984-3684
- **Bakery Orders**
  Call 984-3683
- **Tours and Shadowing Program**
  Call 984-3683
- **Taste of Maui**
  The Maui Culinary Academy published *Taste of Maui* (2008), a diverse collection of recipes created, shared, and prepared by Maui Culinary Academy graduates as well as chef instructors. Ranging from pantry food to delectable desserts, *Taste of Maui* features recipes that appeal to those looking to prepare an island dish with a tempting twist or aimed for a special occasion.

  ☙ For more info call 984-3690 or visit: *www.maui.hawaii.edu/culinary/*

Campus Health Center

The Campus Health Center provides affordable and accessible health care to UH Maui College students, faculty, and staff. The center accepts HMSA, HMAA, HMA, and UHA insurance, but is unable to accept Kaiser.

The center offers confidential low cost or free care for reproductive health, birth control options including IUDs and implants, pregnancy testing, prevention and treatment for sexually transmitted diseases, and emergency contraception. In addition, diagnosis and treatment for minor illnesses or injuries such as influenza, sore throat, UTI and lacerations are offered. The center does health screening and TB testing as well as a wide variety of adult vaccinations that are discounted for students, faculty, and staff.

The center is open 9-1 pm on Mondays and Fridays, and 9-4 pm on Tuesdays, Wednesdays, and Thursdays, except on federal, state, and school holidays.
☙ To book an appointment or for more information, call 984-3493.

Media Center

The Media Center provides a variety of multimedia services for instruction. Audiovisual assistance, desktop workstations (PC and Mac), printing, photocopying services, and graphic arts are some of the services provided to faculty and staff.

The center is also home to MCTV Digital Cable 354 and the HITS Distance Education network that provides "live" two-way audio/video connectivity to Molokaʻi, Lānaʻi, Hāna, and Lahaina education centers as well as other campuses within the UH system.

☙ For more information, call 984-3283 or email *uhmchelp@hawaii.edu*.

UH Maui College-MEO Head Start Preschool

UH Maui College and Head Start of the Maui Economic Opportunity are partners in the UH Maui College-MEO Head Start, a preschool for 3-5 year olds on the west end of the Kahului campus. First priority for this free program for eligible families is to children of UH Maui College students. Hours are 7:30 am - 3:00 pm, Monday through Thursday and Friday 7:30-12:00. Children must attend daily. A breakfast and lunch, plus an afternoon snack, are provided.

Interested families may apply at the MEO Head Start office in February for the next school year by specifying the UH Maui College center, as there are several centers in the central area.

To apply, families must take the child's state birth certificate and proof of the previous year's income (4-6 current pay stubs or TANF financial printout and previous years' W-2 or income tax returns.)
✋ Call the MEO Head Start office at (808) 249-2988

Course Descriptions

Courses of Instruction

Courses of instruction are listed alphabetically by subject *(course alpha)*.

Course Credit

One credit is assigned to a course for one or more hours per week of class time during a typical 15-week semester. This time may be assigned to lecture, lecture-lab, or lab instruction.

The credit value of each course is indicated by a number at the end of each course description. For example, "3cr" indicates the course carries three credits; "3,3" indicates each course module "BC" carries three units of credit.

Following the credits is the number(s) indicating the contact hours per semester of lecture *(lec)*, lecture-lab *(lec-lab)*, and/ or laboratory *(lab)*. For example, "45hr lec" indicates the course meets in a lecture format for 45 hours per semester (plus the two-hour exam/evaluation). The instructor workload follows with the specified teaching equivalent (TE).

Methods of Instruction

The College delivers classes in a variety of modes beyond the traditional classroom setting. The alternative delivery is conveyed by the *"classroom"* listed for that class, as viewed online at *Class Availability.*

Internet classes are those where course materials and assignments are conducted over the Internet, denoted with WWW.

Hawai'i Interactive Television System (HITS) enables live interaction among classrooms in Hāna, Kahului, Lahaina, Lāna'i, Moloka'i, and throughout the state via closed-circuit television.

Cable classes are broadcast over the College channel to Spectrum digital cable subscribers.

Hybrid-Technology Intensive (HTI) courses make intensive use of online and offline technologies to such an extent that the schedule of class meetings is altered. The HTI designation may apply to campus-based course or to a distance learning course for which distant students can participate in scheduled meetings either off-site or via interactive video technologies.

Prerequisite Terminology

Prerequisite (Prereq): Course that must be satisfactorily completed or competency that must be met before the student can enroll in the desired course.

Corequisite (Coreq): Course that the student must take concurrently with the desired course.

Recommended: Prior course or competency that should help the student succeed in the specified course or program.

Consent: Term used at the end of a stated prerequisite, meaning a student not meeting the requirement may gain entry to the class through Consent of Instructor. The student may petition the instructor via email or office visit, explaining reasons for requesting consent; if the justification is found acceptable, the instructor may give an electronic override, thereby enabling the student to register for the class online.

Electronic Prerequisite Checking

The Star GPS registration system within MyUH Services checks a student's electronic UHMC transcript to assess whether the prerequisite course, grade, or score is met. When the prereq is not met, Star GPS does not allow the student to register for that class.

There is one exemption, called "prerequisite in progress". When students register before the end of a term, and they are currently enrolled in a course that is a prerequisite for a course to be taken in the subsequent term, GPS will allow the prerequisite override because the prerequisite is "in progress". However, once grades are assigned, a report is issued showing "in progress" students who did not subsequently earn the required passing grade. These students with the unmet prerequisite may subsequently be dropped from the course.

A second exclusion is "Consent of Instructor". Students may petition an override to the prerequisite by demonstrating evidence to support achievement of the requirement through other means. Overrides for due cause may be granted by the course instructor, program coordinator, or counselor.

Courses completed at a non-UH campus are not automatically entered into the student's UHMC electronic transcript, and thereby unavailable to Star GPS during prerequisite checking. All non-UH system courses must be transferred, articulated, and input into Star GPS before electronic checks take place.

✋ To transfer courses completed outside the UH system, complete and submit the Transcript Evaluation Request form, available at: *http://maui.hawaii.edu/wp-content/ uploads/2016/02/FINAL-Transcript-Evaluation-Request-Form.pdf*

Numbering System

Course numbers portray the level of difficulty and the transferability of courses.

Pre-Transfer Level Courses

Courses generally not transferable to four-year colleges but transferable within the UHCC System 10-99

Lower Division Transfer Courses

Freshmen normally take these transfer-level courses 100-199
Sophomores normally take these transfer-level courses, which are also open to qualified freshmen 200-299

Upper Division Transfer Courses

Junior level..................................300-399
Senior level 400-499

Laulima

Laulima is the online, virtual classroom used by classes offered throughout the University of Hawai'i system. Laulima means *cooperation,* or *joint action* and *many hands.* Many instructors use Laulima to support their face-to-face as well as online classes.

Via Laulima students are able to access and download handouts, take exams and quizzes, communicate with instructors and classmates, participate in discussions, turn in assignments, maintain a personal calendar, save documents to access from any computer, see their personal Gradebook, and much more.

✋ Access Laulima at *laulima.hawaii.edu.*

Writing Intensive Courses

WI (writing intensive) courses use writing to promote the learning of course subject material.

WI courses provide interaction between instructor and student while the student plans and completes assigned writing. This interaction can occur in a variety of ways:

- Guided and free writing;
- Directed peer-writing groups;
- Class discussions concerning the rhetorical/mechanical requirements of writing assignments before, during, and after papers are submitted;
- Written comments of instructor and/or Learning Lab staff on student outlines and drafts;
- One-on-one student/instructor conferences before, during, and after papers are submitted;
- Tutorial support for both instructor and student from Learning Lab professional staff.

Writing plays a major role in determining the grade for WI courses. Students complete the equivalent of sixteen (16) typed pages of writing - a minimum of four thousand (4,000) words, of which roughly 40% (6-7 pages, or 1600 words) should be edited and finished prose. Depending on the course, this may include informal, as well as formal writing, short essays, critical reviews, lab reports, etc.

The College offers a series of writing intensive courses in which students engage in formal and informal writing assignments. Students strengthen writing skills as well as learn course content and understand how to apply what they learn through writing.

Students also satisfy degree requirements at the College (two required for the AA degree), and at UH Mānoa (a minimum of five writing-intensive classes required). The WI classes are designated with WI prefacing the course title (e.g., HIST 284 WI-Hawaiian History).

Sustainability Designation Classes (S-Focused and S-Related)

Some classes offered are designated sustainability-related or sustainability-focused. Sustainability designated classes expose students to some core concepts of sustainability and their application to issues such as climate change, system thinking, social justice, biodiversity, as well as the transition of Hawai'i's food, water, energy, and transportation systems to more sustainable delivery models.

Sustainability-Related (SR) courses introduce topics of sustainability in some portion of the course through assignments and content, addressing sustainability issues through distinct course components or emphasizing a sustainability principle or issue throughout the course. Sustainability-related classes are offered for students who have an interest in gaining an understanding of the principles of sustainability through their application in another discipline such as the Humanities or Social Sciences.

Sustainability-Focused (SF) courses embody sustainability as a core requirement with a significant portion of course content directly and explicitly related to addressing concepts of sustainability as a lens.

Taking a sustainability-related class is **not** required for graduation or as a requirement for any program. The designation is indicated in the explanatory notes for the class as listed on Banner (Class Availability site).

AA Degree Requirement Codes

These codes are used by UHMC and by most UH colleges, to facilitate the articulation and the transfer of courses within the UH system.

For example, a DA-coded course at UHMC not only satisfies the DA requirement at UHMC, but also satisfies the DA requirements at the other UH campuses.

DA   Diversification Arts
DH   Diversification Humanities
DL   Diversification Literatures
DB   Diversification Biological Science
DP   Diversification Physical Science
DS   Diversification Social Sciences
DY   Diversification Laboratory
FW   Foundations Writing
FGA Foundations Global (Before 1500 CE)
FGB Foundations Global (Since 1500 CE)
FGC Foundations Global (Prehistory to now)
FQ   Foundations Quantitative Reasoning [1,2,3]
FS   Foundations Symbolic Reasoning [3]
HI   Hawai'i Emphasis [1]

[1] *Note: For courses meeting Hawaiian, Asian, and Pacific Issues (HAP) requirement at other UH colleges, check with an academic advisor.*

[2] *Note: For courses meeting the Hawaiian Second Language (HSL) requirement at other UH colleges, check with an academic advisor. HSL is not required for the AA degree in Liberal Arts.*

[3] *Note: See Quantitative Reasoning (FQ) in the next section.*

Quantitative Reasoning (FQ) Requirement: 3 credits

Important! Quantitative Reasoning (FQ) replaces Symbolic Reasoning (FS) as a General Education requirement for the three UHMC Liberal Arts programs, effective Fall 2018.

To ensure there is adequate time for students who entered the UH System prior to Fall 2018 to complete their FS requirements, FS courses will be offered through Summer 2020 at UHMC and at the other UH community colleges. Students entering the UH System in Fall 2018 and beyond may select courses with the FQ designation.

Students who entered the UH System prior to Fall 2018 and have been continuously enrolled should refer to their original catalog year requirements. Students should contact their designated School/College academic or faculty advisor for more information.

The primary goal of FQ courses is to develop mathematical reasoning skills at the college level. Students apply mathematical concepts to the interpretation and analysis of quantifiable information in order to solve a wide range of problems arising in pure and applied research in specific disciplines, professional settings, and/or daily life.

☘ Accounting (ACC)

K. Watanabe

124 Principles of Accounting I

Prereq: ENG 19 with grade C or better or placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces basic accounting principles and practices for service and/or merchandising types of businesses. Areas include: accounting as an information system, the accounting cycle, financial statements, and internal control, current and/or long-term assets, current liabilities and payroll. Special emphasis will be placed upon the practical application of accounting principles. 3cr; 45hr lec, TE 3.00

125 Principles of Accounting II

Prereq: ACC 124 with grade C or better, or consent.
Continues the study of financial accounting procedures. Areas include: long-term assets, long-term liabilities, accounting for corporations and/or partnerships. 3cr; 45hr lec, TE 3.00

132 Payroll & Hawai'i General Excise Tax

Prereq or coreq: ACC 124 or ACC 201 (or concurrent), or consent.
Introduces principles, manual and computerized procedures, and terminology for business applications of payroll accounting. Includes preparation and filing of federal and Hawai'i state forms for payroll taxes and Hawai'i General Excise and Use Tax. 3cr; 45hr lec, TE 3.00

134 Individual Income Tax Preparation

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces the preparation of federal and State of Hawai'i individual income tax returns with an emphasis on tax laws and regulations and their application to the tax returns. This course is intended for an individual preparing basic tax returns under the supervision of an accounting professional. 3cr; 45hr lec, TE 3.00

137 Business Income Tax Preparation

Prereq: ACC 134 with grade C or better, or consent.
Introduces Federal and Hawai'i tax laws and regulations and basic return preparation for business entities. This course is intended for an individual preparing basic tax returns under the supervision of an accounting professional. The student will learn to conduct basic tax research using online databases and resources. The student will also learn to prepare tax returns both manually and using commercial tax software. 3cr; 45h lec, TE 3.00

201 Introduction to Financial Accounting

Prereq: ACC 124 with grade C or better; or both ENG 22 with grade C or better (or placement at ENG 100) and MATH 75X with grade C or better (or placement at least MATH 82); or consent.
Introduces accounting principles and practices used to record and communicate financial information. Analyzes methods for valuating assets, liabilities, and equity of an organization. *(Letter and Audit grades only.)* 3cr; 45hr lec, TE 3.00

202 Introduction to Managerial Accounting

Prereq: ACC 124 and 125, or ACC 201, or consent.
Introduces methods for evaluating financial performance, including cost accounting, budget, break-even analysis, ratio analysis, and sources and uses of funds. *(Letter and Audit grades only.)* 3cr; 45hr lec, TE 3.00

252 Using QuickBooks® in Accounting

Prereq or coreq: ACC 125/201, and BUSN 150 or ICS 101, both with C or better, or consent.
Provides "hands-on" approach to computerized accounting using QuickBooks®. Applies previously acquired accounting skills and knowledge in a computerized environment to set up and maintain accounting records. Emphasis will be placed on the application of QuickBooks® to the accounting cycle. 3cr; 45hr lec, TE 3.0

255 Using Excel in Accounting

Prereq: ACC 202 (or concurrent) and either BUSN 150 or ICS 101, both with grade C or better, or consent.
Provides "hands-on" training in the use of spreadsheets on computers to solve accounting problems. Applies previously acquired accounting skills and knowledge. Emphasizes financial and managerial accounting. 3cr; 45hr lec, TE 3.00

295 Accounting Capstone

Prereq: ACC 132, 134, and 202, all with grade C or better, and ACC 255 (or concurrent), or consent.
Provides an opportunity to demonstrate the knowledge and understanding gained during the Accounting program. Includes projects on financial, managerial, payroll accounting, and income tax preparation with use of computers. Emphasizes the use of ethics in business decisions. 3cr; 45hr lec, TE 3.00

300 Intermediate Financial Accounting I

Prereq: ACC 202, or consent.
Emphasizes application of generally accepted accounting principles to the preparation and use of financial statements in decision-making. Special emphasis placed on recognition and measurement of revenues, cash, receivables, inventories, property, plant and equipment, depreciation and depletion, and intangibles. Includes use of spreadsheets. 3cr; 45hr lec, TE 3.00

✋ Administration of Justice (AJ)

R. Daniels

101   Introduction to Administration of Justice

Examines history and philosophy of the administration of justice in United States with overview of major sub-systems within the criminal justice system: law enforcement, courts, and corrections. Examines expectations and interrelationships of officials, theories of crime, punishment, and rehabilitation. Surveys career opportunities. 3cr; 45hr lec, TE 3.00

103   Criminal Investigation

Prereq: AJ 101, or consent.
Introduces initial investigatory steps relating to crime scenes. Acquaints student with specific offenses and methods of obtaining information. 3cr; 45hr lec, TE 3.0

104   Criminalistics

Prereq: AJ 103, or consent.
Emphasizes identification and reproduction of physical evidence. Studies specialized scientific methods and their relationship to court procedures.
3cr; 45hr lec, TE 3.00

150   The Correctional Process

Introduces the field of corrections. Includes the history and philosophy of punishment and methods used to protect society and rehabilitate the offender.
3cr; 45hr lec, TE 3.00

170   Introduction to Private Security

Surveys concepts and issues in the administration of security. Defines public vs. private security roles for retail business, industry, and governmental agencies. Provides an overview of the functions of various security activities.
3cr; 45hr lec, TE 3.00

200   Principles of the Hawai'i Justice System

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Reviews criminal justice systems in the United States, with special emphasis on Hawai'i. Analyzes law enforcement and the judicial and corrections procedures from time of arrest until final disposition of the case. Studies federal and state laws and constitutional principles through legal research. 3cr; 45hr lec, TE 3.00

210   Juvenile Justice

Prereq: AJ 101, and ENG 22 with grade C or better or placement at ENG 100, or consent.
Studies principles and procedures of arrest, detention, petition, summons, records and adjudication of juvenile offenders. Introduces organization and function of the police juvenile unit, community diversion practices, and organization of the Family Court. Reviews Hawai'i statutes and United States Supreme Court decisions affecting juvenile rights of due process. Considers societal context of juvenile problems, delinquency prevention, and treatment. *(Crosslisted as SOC 231.)*
3cr; 45hr lec, TE 3.00

221   Criminal Law

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Studies history and philosophy of criminal law. Examines United States Constitution, especially the Bill of Rights. Considers nature of law, legal institutions, criminal court procedures, offenses against persons and property. Includes case briefs.
3cr; 45hr lec, TE 3.00

223   Laws of Arrest, Search, Seizure

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Analyzes statutes and cases pertaining to the problems and procedures in effecting valid arrests, searches, and seizures. Considers Hawai'i Supreme Court decisions and controlling opinions of the United States Supreme Court.
3cr; 45hr lec, TE 3.00

224   Rules of Evidence

Considers origin, development, philosophy, kinds and degrees of evidence. Surveys pertinent federal constitutional amendments, landmark Supreme Court decisions affecting the admissibility of evidence, and changes in Federal and Hawai'i case law. Case briefs. 3cr; 45hr lec, TE 3.00

226   Economic Crimes

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Provides information about major economic crimes such as embezzlement, computer crime, and others. Discusses investigative techniques relating to each of the major economic crimes. 3cr; 45hr lec, TE 3.00

230   Principles of Police Supervision

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Analyzes supervisor's function and principles of organization and personnel management. Stresses communication, training, disciplines, psychology of supervision, essentials of leadership, promotion methods, and selection of supervisors.
3cr; 45hr lec, TE 3.00

231   Stress in Policing

Surveys major sources of stress in police work and effects of stress on the officer. Considers stress management programs.
3cr; 45hr lec, TE 3.00

232   Officer Survival

Emphasizes positive tactics police officers can employ to effectively use their own firearms to defeat those of assailants. Covers techniques that work for survival in real-life situations. 3cr; 45hr lec, TE 3.00

234   Police-Community Relations

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines philosophies and styles of policing. Encourages effort of the police and community to share in the common goal of understanding mutual problems.
3cr; 45hr lec, TE 3.00

240   Hawaiian Cultural & Natural Resources Management

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Recommended: AJ 101, and one of COM 145, COM130/BUS 130, or SP 151.
Provides a background for onsite management of Native Hawaiian cultural and natural resources. Relates traditional Native Hawaiian resource conservation practices to current governmental policies, rules, and regulations. Introduces duties and responsibilities of conservation and resource enforcement officers.
3cr; 45hr lec, TE 3.00

250   Community Based Corrections

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Explores juvenile and adult probation, after-care parole, halfway houses, work and educational release-furlough. Examines dilemma of custody-control vs. supervision-treatment. Investigates citizen-agency relationships, along with potentials for utilizing citizen volunteers in corrections.
3cr; 45hr lec, TE 3.00

270   Principles of Loss Prevention

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Considers various theories of managing security countermeasures. Acquaints students with loss prevention measures for retail businesses, government agencies, hotels and motels, hospitals, schools, and other organizations.
3cr; 45hr lec, TE 3.00

293v Administration of Justice Internship

Prereq: AJ 101 with grade C or better, or consent.
Offers flexible, customized, supervised school-to-work experiences in all aspects of the administration of justice field. Integrates and applies classroom theory to work situations via field experiences. *(Note: 3 credits required for AAS degree; student may take up to 6 additional credits.)* 1-3cr; 75hrs per cr, student must complete minimum 75hr/cr per semester.

❦ Agriculture (AG)

A. Emmsley

92U   Open Topic

Meets local interests in agriculture. Varies specific content for each topic to match job site or geographical needs and conditions. *Credit in AG 92U is not applicable toward a degree in Agriculture. AG 92U may be repeated without limit for credit.*
1cr; 15hr lec, TE 1.0

101   Home Gardening

Introduces ornamental and vegetable gardening for the home gardener. Includes landscape installation and maintenance. *Intended for non-majors.*
3cr; 30hr lec, 30hr lec-lab, TE 3.33

103   Sustainable Agriculture Systems

Explores sustainable agriculture systems in Hawai'i and the world. Compares various sustainable models. Examines various sectors of production agriculture and related agribusinesses in Hawai'i. *Field trips to farms, processors, and wholesalers.*
2cr; 15hr lec, 30hr lec-lab, TE 2.50

104   Food Safety & Post Harvest Handling

Examines Food Safety Certification requirements for farms. Explores and evaluates post harvest handling of farm products including vegetables, fruits, meats, and flowers. Identifies and evaluates standard wholesale and retail packaging for various farm products. Reviews worker protection standards.
1cr; 15hr lec, TE 1.00

113   Organic Certification

Outlines the requirements for certified organic farms. Examines process of transitioning to organic farming. Examines and evaluates record keeping requirements and accepted products and practices.
1cr; 15hr lec, TE 1.00

122   Soil Technology

Recommended: Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Studies identification, preparation, and fertilization of soils; amendments, sterilization, mulching, and composting methods. Includes soil testing, microbiology, and soil moisture. Emphasizes sustainable management systems.
3cr; 30hr lec, 45hr lab, TE 4.17 **(DB, DY)**

162   Introduction to Beekeeping

Recommended: AG 174.
Introduces the biology and behavior of honeybees and best management practices for hive management. Develops hands-on skills for hive inspection, maintenance, and management techniques to control honeybee diseases and pests. Investigates alternative pollinators.
2cr; 15hr lec, 30hr lec-lab, TE 2.50

163   Advanced Beekeeping

Prereq: AG 162 with grade B or better, or consent.
Provides the student with additional hands on training in all aspects of beekeeping. Honeybee hive inspection, maintenance, and best management practices carried out under limited supervision of instructor. Examines honeybee diseases and pests and the management techniques for these problems. Primary topics include and not limited to: Swarm Trapping, Swarm Management, Hive Splits, Queen Rearing and Value Added Products.
2cr; 15hr lec, 30hr lec-lab, TE 2.50

174   Insects & Their Control

Recommended: Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces basic morphology and classification of insects. Studies destructive and beneficial insects. Covers principles of cultural, mechanical, legislative, biological, and chemical control. Investigates sustainability of control methods. 3cr; 30hr lec, 30hr lec-lab, TE 3.33 **(DB, DY)**

200   Principles of Horticulture

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Coreq: AG 200L.
Introduces plant botany and physiology. Discusses plant nutrients, moisture, and environmental requirements and plant propagation. Studies culture and production techniques for selected ornamental crops.
3cr; 45hr lec, TE 3.00 **(DB)**

200L Principles of Horticulture Lab

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Coreq: AG 200
Lab to accompany AG 200. Examine internal and external plant anatomy, plant growth, and physiology. Propagate plants by sexual and asexual methods. Produce a commercial horticulture crop.
1cr; 45hr lab, TE 2.50 **(DY)**

201   Introduction to Plant Disease

Recommended: Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces classification, morphology, and biology of fungi, bacteria, viruses, and nematodes that attack economic crops. Covers diagnosis and control of plant diseases. Investigates sustainability of control methods.
3cr; 30hr lec, 30hr lec-lab, TE 3.33

230   Agricultural Business Management

Recommended: Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces farm and landscape management practices including decision making, record keeping, cash flow, financial statements, ratio analysis, use of computers as a management tool, and marketing of agricultural products and services.
3cr; 45hr lec, TE 3.00

232   Farm Tractor & Equipment Operation

Prereq: Consent.
Teaches operation of a rototiller and wheel type tractor with allied implements on the College farm. Includes safety, maintenance, three point hitch hookups, hydraulics, and field adjustments.
1cr; 45hr lab, TE 2.50

235   Irrigation Principles & Design

Prereq: MATH 75X with grade C or better or placement at least MATH 82, or consent.
Examines types of irrigation systems including materials, equipment, and installation. Discusses evapotranspiration and soil moisture relations. Calculates hydraulic and operational parameters of irrigation systems. Designs an irrigation system to scale.
3cr; 30hr lec, 30hr lec-lab, TE 3.33

251   Sustainable Crop Production

Prereq or coreq: AG 103 and AG 104, or consent. Recommended: ENG 19 with grade C or better or placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces production methods for selected crops including propagation planting, fertilization, irrigation, pest control, harvesting, and marketing. Evaluates conventional and alternative methods of production and analyzes effects of these practices. Examines economic and social impacts. *Field trips to production areas.*
4cr; 30hr lec, 90hr lab, TE 6.67

252   Sustainable Crop Production II

Prereq: AG 251 with grade C or better, or consent. Recommended: AG 200.
Reinforces production practices for sustainable agriculture. Develops skills in designing, planning, and executing a sustainable production system for wholesale and retail sales. Determines cost of production and integrates multiple marketing practices. Evaluates products, cultural practices, and marketing methods. Practices farm record keeping. 2cr; 90hr lab, TE 5.00

253   Hawaiian Food Plants: Traditional and Contemporary Production

Prereq: AG 200 or BOT 105/HWST 211, either with grade C or better, or consent.
Explores commercial production of traditional food crops of Hawai'i. Compares traditional geographical centers of production to contemporary production areas. Compares and contrasts traditional and contemporary cultural production practices. Explores modern markets for traditional crops. Teaches production techniques including propagation, planting, fertility, harvest, and post harvest methods. Identifies common varieties of traditional crops.
3cr; 45hr lec, TE 3.00 **(HI, DB)**

253L   Hawaiian Food Plants: Traditional and Contemporary Production Lab

Prereq: AG 200 or BOT 105/HWST 211, either with grade C or better, or consent. Coreq: AG 253.
Lab to accompany AG 253.
1cr; 45hr lab, TE 2.50 **(HI, DY)**

260   Tropical Landscape

Prereq: Either AG 265 and 265L, or AG 269, or consent.
Introduces the student to the elements of landscape design, planning and plan implementation. The areas covered include design principles, functional aesthetics, reading and development, landscape plants, and cost estimates. *(Formerly AG 250.)* 4cr; 45hr lec, 45hr lab, TE 5.00

261   Turfgrass Management

Recommended: Placement at ENG 100, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Studies identification, planting, and maintenance of turfgrasses for home, park, and golf areas. Discusses watering and fertilizing. Treats insect, disease, and weed control. *(Formerly AG 260.)*
3cr; 30hr lec, 30hr lec-lab, TE 3.33

264   Plant Propagation

Prereq: AG 200, or consent.
Introduces theoretical and applied aspects of sexual and asexual reproduction of plants. Discusses propagation of selected plants by seed, cuttings, grafting, budding, layering, and division.
3cr; 30hr lec, 30hr lec-lab, TE 3.33

265   Horticulture of Hawaiian Plants

Prereq: AG 200 or BOT 105/HWST 211, either with grade C or better, or consent. Coreq: AG 265L.
Explores the biology, ecology, and adaptations of plants focusing on endemic and indigenous Hawaiian and Polynesian introduced. Teaches techniques of horticulture including propagation, cultivation, and management. Introduces uses of plants in landscaping and native habitat restoration projects. 3cr; 45hr lec, TE 3.00 **(HI, DB)**

265L   Horticulture of Hawaiian Plants Lab

Prereq: AG 200 or BOT 105/HWST 211, either with grade C or better, or consent. Coreq: AG265.
Lab to accompany AG 265.
1cr; 45hr lab, TE 2.50 **(DY)**

266   Greenhouse & Nursery Management

Recommended: Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces management practices for production and operation of nurseries and greenhouses in Hawai'i. Includes environmental factors, structures, materials, sanitation, pests, and diseases.
3cr; 30hr lec, 30hr lec-lab, TE 3.33

269   Ornamental Plant Materials

Presents identification, use, propagation, and cultural requirements of trees, shrubs, vines, and ground covers used in Hawaiian landscapes.
3cr; 30hr lec, 30hr lec-lab, TE 3.33

281   Weed Science

Recommended: Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Teaches weed classification, identification, ecology, and principles of weed control. Emphasizes properties, uses, action, and safety of herbicides and pesticides.
3cr; 30hr lec, 30hr lec-lab, TE 3.33

Anthropology (ANTH)

M. Kirkendall

150 Human Adaptation

Studies human evolution. Examines prehistoric and recent developments of culture, and common features and principle variations in cultural behavior.
3cr; 45hr lec, TE 3.00 **(DS)**

151 Emerging Humanity: Introduction to human biological evolution and the archaeology of culture in the world prior to AD 1500.

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces human biological evolution, concepts and practices of archaeology and anthropology. Topics include the fossil record of human biological evolution, archaeology of culture of the world prior to AD 1500, the development of technology, the origins of plant and animal domestication, the genesis of cities and urbanism, and the political and ecological consequences of human impact on the natural environment.
3 cr; 45 hr. lec. TE 3.00 **(FGA)**

152 Culture and Humanity

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Provides an introduction to Cultural Anthropology. Students examine the interaction between the natural environment, human cultures, using a multi-cultural perspective through which they interpret the post-1500 world.
3cr; 45 lec, TE 3.00 **(FGB)**

165 Heritage Sites in Archaeology

Prereq: ENG 100 with grade C or better, or consent.
Introduces the concepts and practices of archeology, historical research, historic site preservation, and heritage management. Combines lecture, laboratory, and field-work. 3cr; 45hr lec, TE 3.00 **(HI, DS)**

200 Cultural Anthropology

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Studies the concept of culture and basic tools for analyzing cultural behavior. Topics include patterning and integration, dynamics of culture, culture and the individual, cultural change, and anthropology and the future.
3cr; 45hr lec, TE 3.00 **(DS)**

210 Archaeology

Recommended: ANTH 150, 200, or 215.
Introduces prehistoric archaeology. Surveys cultural growth in prehistoric times. Explains methods and techniques of excavation and laboratory analysis.
3cr; 45hr lec, TE 3.00 **(DS)**

210L Archaeology Laboratory

Prereq: ANTH 210 with grade C or better (or concurrent), or consent.
Teaches methods and techniques of archaeological excavation. Uses laboratory techniques to analyze data.
1cr; 45hr lab, TE 2.50 **(DY)**

215 Biological Anthropology

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces students to the study of human biological make-up, origins of that make-up, and the pre-history of human biological and cultural development.
3cr; 45hr lec, TE 3.00 **(DB)**

225 Medical Anthropology

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Recommended: ANTH 200 or 215 (or concurrent).
Surveys human health and disease, and how they relate to cultural practices, belief systems, and environmental factors. Seeks to bridge the health sciences and anthropology by focusing on how social and environmental factors affect health. Explores alternative ways of understanding and treating disease. Includes ethno-medicine, the traditional healing and health practices of a selection of cultures, paleopathology, epidemiology, and human adaptation.
3cr; 45hr lec, TE 3.00 **(DS)**

235 Peoples of the Pacific

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Recommended: HIST 152 or ANTH 200.
Surveys the cultural areas of the Pacific from pre-contact to present day. Covers prehistoric migration patterns, historical movements, and present day distributions, including western colonization and current problems. *(Crosslisted as HIST 288.)*
3cr; 45hr lec, TE 3.00 **(DH)**

281 Archaeological Field Techniques

Prereq: ANTH 210 with grade C or better (or concurrent), or consent.
Applies archaeological techniques including survey, excavation, mapping, and photography. *Taught entirely in the field at an archaeological site.*
4cr; 120hr lec-lab, TE 6.67 **(DS)**

Aquaculture (AQUA)

S. Calder

362 Aquaculture and Mariculture

Prereq: BIOL 171, CHEM 151 or 161 (or concurrent), and ZOOL 200/L, all with grade C or better, or consent.
Coreq: AQUA 362L.
Examines the principles and practices of aquaculture and mariculture as well as the historic and current status of aquaculture. Explores fish production, commercial species currently being cultivated, traditional Hawaiian aquaculture, water quality dynamics, aquaponics, and hatchery technology. Investigates aquaculture as a case study for global food production.
2cr; 30hr lec, TE 2.00 **(DB)**

362L Aquaculture and Mariculture Lab

Prereq: BIOL 171, CHEM 151 or 161 (or concurrent), ZOOL 200 and ZOOL 200L, all with grade C or better, or consent.
Coreq: AQUA 362.
Laboratory to accompany AQUA 362
1cr; 45hr lab, TE 2.50 **(DY)**

466 Fisheries Science

Prereq: OCN 201, 201L, ZOOL 200, and ZOOL 200L, all with grade C or better, or consent.
Coreq: AQUA 466L.
Recommended: MATH 115 and AQUA 362.
Examines general characteristics of fisheries, harvesting methods, principles and techniques to derive data and analyze fished populations.
2cr; 30hr lec, TE 2.00 **(DB)**

466L Fisheries Science

Prereq: OCN 201, 201L, ZOOL 200, and ZOOL 200L, all with grade C or better, or consent.
Coreq: AQUA 466.
Recommended: MATH 115 and AQUA 362.
Laboratory to accompany AQUA 466.
1cr; 45hr lab, TE 2.50 **(DY)**

🌿 Architectural Engineering & CAD Tech (AEC)

C. Rutherford

110   Basic AutoCAD

Prereq: BLPR 101 or equivalent training/experience with consent.
Recommended: ICS 101 or BUSN 150, and placement at ENG 100.
Introduces the foundation of AutoCAD. Covers basic commands and operations from 2D drawing and editing to creating solid models and rendering. Teaches 2D drawing, text, dimensions, blocks, hatching, reference files, sharing data, 3D drawing, and plotting. Prepares students for Autodesk certification. 4cr; 4hr lec, TE 4.00

🌿 Art (ART)

M. Takemoto

101   Intro to Visual Arts

Introduces the basic elements of visual arts and their expressions in various forms.
Meets the UH Mānoa Arts & Science core requirement.
3cr; 45hr lec, TE 3.00 **(DA)**

104   Intro to Printmaking

Recommended: ART 113.
Introduces basic technical information and hands on experience in the multiple facets of printmaking media.
3cr; 90hr lec-lab, TE 4.29 **(DA)**

105   Intro to Ceramics

Studies ceramic form. Emphasizes hand building, glazing techniques, and surface treatment. Involves lectures and projects.
Meets the UH Mānoa Arts & Science core requirement.
3cr; 90hr lec-lab, TE 4.29 **(DA)**

107   Introduction to Photography

Introduces the history of film and non-silver photography from its 19th century invention to its current practice as an art form. Students will learn the basics of film photography, including the proper use of a 35mm manual camera and the darkroom techniques of black and white photography.
3cr; 90hr lec-lab, TE 4.29 **(DA)**

107D   Introduction to Digital Photography

Prereq: Access to digital camera (manual settings preferable).
Introduces the fundamental, technical, and aesthetic practices of digital photography. Students will learn camera operation, computer editing techniques, basic lighting concepts, composition and print production.
3cr; 90hr lec-lab, TE 4.29 **(DA)**

113   Introduction to Drawing

Emphasizes two-dimensional visualization and rendering of forms, spaces, and ideas through a variety of approaches and media.
Meets the UH Mānoa Arts & Science core requirement.
3cr; 90hr lec-lab, TE 4.29 **(DA)**

115   Introduction to 2D Design

Recommended: ART 101.
Introduces the theory and practice of composing and arranging two-dimensional forms in black, white, and color through manipulation of the basic elements and their interrelationships. *Meets the UH Mānoa Arts & Science core requirements.*
3cr; 90hr lec-lab, TE 4.29 **(DA)**

123B   Introduction to Water Color Painting

Introduces the theory and practice of watercolor painting. Includes basic materials and technical procedures.
1cr; 30hr lec-lab, TE 1.43 **(DA)**

123C   Introduction to Oil Painting

Introduces the theory and practice of oil painting. Includes basic materials and technical procedures.
1cr; 30hr lec-lab, TE 1.43 **(DA)**

123D   Introduction to Acrylic Painting

Introduces the theory and practice of acrylic painting. Includes basic materials and technical procedures.
1cr; 30hr lec-lab, TE 1.43 **(DA)**

161   Introduction to Computer Graphics

Prereq or coreq: ICS 101 or BUSN 150, or consent.
Introduces computer graphics tools and concepts in digital image editing, illustration graphics, print and web design, and 2D and 3D animation. *(Crosslisted as ICS 161.)* 3cr; 45hr lec, TE 3.00 **(DA)**

205   Photoshop and Illustrator

Prereq: ICS 101 or BUSN 150, or consent.
Introduces the basic tools and features of digital image editing, photo retouching, and color correction of images. Focuses on the fundamental drawing techniques of illustration graphics including pen tool paths, objects, and type. *(Crosslisted as ICS 205.)* 3cr; 45hr lec, TE 3.00 **(DA)**

218   Intermediate Computer Graphics

Prereq: ICS 161, 205, or 214, or consent.
Provides instruction with the tools and concepts of computer graphics utilizing digital media technology. Offers experience that integrates digital image editing, illustration graphics, print publishing, web authoring, and 2D and 3D animation. *(Crosslisted as ICS 261.)*
3cr; 45hr lec, TE 3.00 **(DA)**

221   Design for Print and Web

Prereq: ICS 101 or BUSN 150, or consent.
Introduces development principles related to graphic design terminology, tools and media, and layout and design concepts. Topics include integration of type, images, and other design elements, developing computer skills in industry standard computer programs, and study of design development pertaining to color theories, publications, and advertising. Projects emphasize relating form to content through selection, creation and integration of typographic, digital imaging, illustrative and design elements in print and web environments. *(Crosslisted as ICS 214.)*
3cr; 45hr lec, TE 3.00 **(DA)**

223   Intermediate Painting

Prereq: ART 113 and 123BCD, or consent.
Practices the development of painting skills following the chronological progression of Western Modernism. Explores painting work by studying the foundations of major developments in the late 19th century and early 20th century painting styles. Examines and compares the two parallel tendencies of Structuralism and Expressionism. Teaches control and management of pictorial space and paint application. Develops personal sources of imagery, and explores the effects of scale and color interaction in personal work.
3cr; 90hr lec-lab, TE 4.29 **(DA)**

243 Intermediate Ceramics: Hand Building

Prereq: ART 105, or consent.
Develops vessel and sculptural concepts using hand-building techniques. Introduces the elements of art through the making of ceramic form. Progresses beyond basic hand building techniques to advanced skills: various forming and embellishing techniques, work with plaster and molds, colored slip, colored clay, glaze work, and the firing of kilns. Students work towards development of individual creative expression. 3cr; 90hr lec-lab, TE 4.29 **(DA)**

244 Intermediate Ceramics: Wheel Throwing

Prereq: ART 105, or consent.
Develops vessel and sculptural concepts using wheel-throwing techniques. Introduces the elements of art through the making of ceramic form. Progresses beyond basic throwing techniques to intermediate throwing skills, various forming and embellishing techniques both on the wheel and subsequent to throwing, colored slip work, glaze work, and the firing of kilns. Students work towards development of individual creative expression. 3cr; 90hr lec-lab, TE 4.29 **(DA)**

263 Advanced Ceramics: Sculpture

Prereq: ART 243 or ART 244, either with grade C or better, or consent.
Explores sculptural concepts and techniques specifically related to the medium of clay; advanced hand-building, throwing, glazing, and firing techniques.
3cr; 90hr lec-lab, TE 4.29 **(DA)**

264 Advanced Ceramics: Vessels

Prereq: ART 243 or ART 244, either with grade C or better, or consent.
Explores the ceramic vessel as function, metaphor, and expression. Advanced hand-building, throwing, glazing, and firing techniques.
3cr; 90hr lec-lab, TE 4.29 **(DA)**

270 History of Western Art

Surveys Western Art from prehistoric to modern times. Emphasizes the historical aspects of art including an overview of each historical period.
3cr; 45hr lec, TE 3.00 **(DH)**

✻ Astronomy (ASTR)

H. Shih

110 Survey of Astronomy

Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Recommended: High school science
Introduces the history and methods of astronomy, with descriptive treatments of planets, the solar system, stars, galaxies, and cosmology. Discusses the concepts of size, distance, and time in the observable universe. 3cr; 45hr lec, TE 3.00 **(DP)**

110L Introduction to Astronomy Laboratory

Prereq: ASTR 110 with grade C or better (or concurrent), and MATH 82 with grade C or better or placement at least MATH 100.
Recommended: ICS 101 or equivalent.
Introduces instrumentation and methods used in astronomical observations and research. Demonstrates astronomical principles through laboratory observations and analysis of astronomical data, and provides experience using instrumentation and software for observations, data collection and analysis, and image processing.
1cr; 45hr lab, TE 2.50 **(DY)**

✻ Auto Body Repair & Painting (ABRP)

T. Hussey

120G Auto Sheet Metal

Prereq: AMT 100 with grade C or better(or concurrent), or consent. Student must maintain a valid driver's license throughout duration of the Auto Body course of studies.
Explains the theory and principle of the basic skills required for automotive sheet metal panel repair. Introduces picking and filing, shrinking of damaged sheet metal, and corrosion repair. *(Formerly ABRP 20G)*
3cr; 90hr lec-lab, TE 3.75

120H Body & Fender Repair

Prereq: ABRP 120G with grade C or better, or consent. Student must maintain a valid driver's license throughout duration of the auto body course of studies.
Introduces basic auto body skills and procedures. Covers the proper and safe handling of hand and power tools and materials used in the auto body industry. *(Formerly ABRP 20H)*
3cr; 90hr lec-lab, TE 3.75

122E Basic Auto Refinishing

Prereq: AMT 100 with grade C or better , or consent. Student must maintain a valid driver's license throughout duration of the Auto Body course of studies. Recommended: ABRP 120H.
Presents the basics of automotive refinishing. Emphasizes shop and personal safety in using hand tools, power tools, supplies, and materials for vehicle preparation for painting.
4cr; 120 hr lec-lab, TE 5.00

122G Complete and Touch Up Refinishing Techniques

Prereq: ABRP 122E with grade C or better, or consent. Student must maintain a valid driver's license throughout duration of the Auto Body course of studies.
Explains the complete painting process. Covers preparation and application of sealers to surface, to the final detailing of the vehicle.
6cr; 180hr lec-lab, TE 7.50

141G Plastic Panel Repair

Prereq: ABRP 120H with grade C or better(or concurrent), or consent. Student must maintain a valid driver's license throughout duration of the auto body course of studies.
Introduces the repairing of damaged plastic and fiberglass panels and components. *(Formerly ABRP 41G)*
3cr; 90hr lec-lab, TE 3.75

141H Management & Estimating

Prereq: ABRP 122G with grade C or better(or concurrent), or consent. Student must maintain a valid driver's license throughout duration of the Auto Body course of studies.
Introduces the student to the fundamentals of writing and understanding repair estimates and repair orders. Discusses management, business procedures, and industrial relations. *(Formerly ABRP 41H)*
2cr; 60hr lec-lab, TE 2.50

✻ Automotive Technology (AMT)

T. Hussey, L. Martinson

80 Small Engine Repair

Explores the theory and practice in the operation, repair, and maintenance of small displacement internal combustion engines including two-cycle and four-cycle types found on single cylinder lawn mowers, power plants, garden tillers, and chain saws.
2cr; 30hr lec, TE 2.00

100 Introduction to Automotive Technology

Prereq: Student must maintain a valid Driver's license throughout duration of the automotive course of studies, or consent.
Recommended: Placement at ENG 21 or higher.

Introduces principles for the operation of automotive systems. Explains the selection and use of basic automotive tools, equipment, and procedures for the preventive maintenance and minor repair service. Includes lectures, demonstrations, and lab work on shop training units and "live" service vehicles. *(Formerly AMT 20)*
2cr; 60hr lec-lab, TE 2.50

129 Engines Repair

Prereq: AMT 100 with grade C or better; and ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Student must maintain a valid Driver's license throughout duration of the automotive course of studies.
Recommended: At least 10th grade reading skill.

This course will cover shop safety, tools, and all components found in the modern internal combustion engine. The course is designed to provide students with an understanding of the fundamental operation and construction of internal combustion engines. Instruction will include theory and laboratory(shop) activities in which students will learn how to inspect, service, maintain, diagnose, and repair automobile engine malfunctions. This course includes live work. Students are required to have valid driver's license. *(Formerly AMT 30)*
7cr; 210 hr lec-lab, TE 8.75

141 Electrical/Electronics Systems I

Prereq: AMT 100 with grade C or better(or concurrent), and ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Student must maintain a valid Driver's license throughout duration of the automotive course of studies.

Examines principles of operation, diagnosis, service and repair of the electrical/electronic system. Covers the electron theory, circuits and schematics, batteries, starting and charging system. Explains use of automotive tools and testing equipment. *(Formerly AMT 40C)*
5cr; 150hr lec-lab, TE 6.25

144 Heating and Air Conditioning

Prereq: AMT 100 with grade C or better, and ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Student must maintain a valid Driver's license throughout duration of the automotive course of studies.

This course provides an understanding of the theory, diagnosis, service, safety handling of refrigerant and repair of automotive heating, ventilation, and air conditioning (HVAC) systems. The course presents the operation and function of vacuum, electrical, refrigeration circuits, and computer controls. Training is provided on the use of tools and equipment while performing diagnostics, repairs, and service on HVAC systems. *(Formerly AMT 43)*
4 cr; 120hr lec-lab, TE 5.00

145 Manual Drive Trains and Axles

Prereq: AMT 100 with grade C or better, and ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Student must maintain a valid Driver's license throughout duration of the automotive course of studies.
Recommended: At least 10th grade reading skill, or consent.

Examines principles of operation, diagnosis, and repair of standard transmissions and transaxles, clutches, drive shafts, and drive axles. Explains use of automotive tools and testing equipment.
(Formerly AMT 46)
4cr; 120hr lec-lab, TE 5.00

149 Automatic Transmissions and Transaxles

Prereq: AMT 241 with grade C or better(or concurrent), and ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Student must maintain a valid Driver's license throughout duration of the automotive course of studies.
Recommended: At least 10th grade reading skill, or consent.

Examines principles of operation, diagnosis, and repair of automatic transmissions and transaxles. Explains use of automotive tools and testing equipment.
(Formerly AMT 50)
4cr; 120hr lec-lab, TE 5.00

152 Brake Systems

Prereq: AMT 100 with grade C or better(or concurrent), and ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Student must maintain a valid Driver's license throughout duration of the automotive course of studies.
Recommended: At least 10th grade reading skill, or consent.

Examines principles of operation, diagnosis, service, and repair of drum, disc, and power brake systems. Explains use of automotive tools and testing equipment.
(Formerly AMT 53)
4cr; 120hr lec-lab, TE 5.00

154 Suspension and Steering Systems

Prereq: AMT 100 with grade C or better(or concurrent), and ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Student must maintain a valid Driver's license throughout duration of the automotive course of studies.
Recommended: At least 10th grade reading skill, or consent.

Examines principles of operation, theory, design, and repair of standard and power steering systems, front and rear suspension, tires, wheels, alignment, and balancing. Explains use of automotive tools and testing equipment. *(Formerly AMT 55)*
4cr; 120hr lec-lab, TE 5.00

240 Fuel & Emission Systems

Prereq: AMT 241 with grade C or better, or consent.
Recommended: Eng 21; and QM 107C or MATH 100 or higher.

Examines principles of operation, diagnosis, and repair of fuel systems and emission systems. Explains fuel injection, direct injection supercharging, turbocharging, fuel pumps, electronic control systems, and emission controls. Explains use of automotive tools and testing equipment.
(Formerly AMT 40B)
4cr; 120hr lec-lab, TE 5.00

241 Electrical/Electronics Systems II

Prereq: AMT 141 with grade C or better, and ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Student must maintain a valid Driver's license throughout duration of the automotive course of studies.
Recommended: At least 10th grade reading skill, or consent.

This course covers essential theories and practical skills in diagnosing and repairing automotive accessory circuits such as power windows, power door locks, power antennas, power mirrors, audio systems, anti-theft systems, power seats, horns, blower fan, and wiper/washer. Also covered are conventional instrumentation, digital instrumentation, and supplemental inflatable restraint (SRS). *(Formerly AMT 41C)*
4cr; 120hr lec-lab, TE 5.00

246   Ignition Systems

Prereq: AMT 241 with grade C or better, and ENG 19 with grade C or better, or placement at least ENG 22, or consent.

Student must maintain a valid Driver's license throughout duration of the automotive course of studies.

Recommended: At least 10th grade reading skill; or consent.

Examines principles of operation, diagnosis, service, and repair of the ignition and computer systems. Explains the use of automotive tools and equipment. *(Formerly AMT 40G)*

4cr; 120hr lec-lab, TE 5.00

262   Advanced Diagnostic and Repair

Prereq: AMT 100, 129, 141, 144(or concurrent), 145, 149, 152, 154, 240, 241, and 246, all with grade C or better; and ENG 19 with grade C or better or placement at least ENG 22, or consent.

Student must maintain a valid Driver's license throughout duration of the automotive course of studies.

Applies diagnostic skills and techniques in advanced automotive mechanics technology with emphasis on realism in lab and shop operations. Includes students being prepared to take the ASE certification exam in the following areas: suspension and steering, electrical/electronics, engine performance, automatic transmission/transaxle, manual drive train and axles, brakes, heating and air conditioning, and engine repair. *(Formerly AMT 60)*

8cr; 240hr lec- lab, TE 10.00

⚜ Biochemistry (BIOC)

S. Calder

141   Fundamentals of Biochemistry

Prereq: MATH 82 with grade C or better, or placement at least MATH 100, or consent.
Recommended: High school science.

Introduces biological chemistry stressing integration of the fundamental concepts of general chemistry, inorganic chemistry, and organic chemistry with broad application of these principles to the study of living systems. *(Formerly BIOC 241)*

3cr; 45hr lec, TE 3.00 **(DP)**

142 Elements of Biochemistry

Prereq: BIOC 141or CHEM 151 or CHEM 161, or consent.

Introduces chemical principles and concepts of living systems. Emphasizes the composition, function, and transformation of biological substances in animals, plants, and microorganisms. Provides sufficient organic chemistry to supplement a thorough understanding of the general concepts of biochemistry. *(Formerly BIOC 244)*

3cr; 45hr lec, TE 3.00 **(DP)**

⚜ Biology (BIOL)

S. Calder, S. Irwin, M. Gould

100   Human Biology

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.

Surveys human anatomy and physiology. Introduces students to the structure and function of cells, tissues, organs, and systems of the human body. Includes disease processes and recent scientific advances.

3cr; 45hr. lec, TE 3.00 **(DB)**

101   Biology and Society

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.

Introduces characteristics of science, historical development of scientific concepts, and interactions of society with science, illustrated by topics from biological sciences. *(Crosslisted as SCI 121.)*

3cr; 45hr lec, TE 3.00 **(DB)**

101L Biology and Society Lab

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. Coreq: BIOL 101.

Laboratory to accompany BIOL 101. *(Crosslisted as SCI 121L).*

1cr; 45hr lab, TE 2.50 **(DY)**

102   General Botany

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.

Studies growth, function, and evolution of plants. Analyzes human interactions with plants and plant interactions with their environment. *(Crosslisted as BOT 101.)*

3cr; 45hr lec, TE 3.00 **(DB)**

102L General Botany Lab

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. Coreq: BIOL 102.

Lab to accompany BIOL 102. *(Crosslisted as BOT 101L.)*

1cr; 45hr lab, TE 2.50 **(DY)**

103   Principles of Zoology

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.

Surveys major animal groups with emphasis on structure, physiology, development, reproduction, evolution, ecology, behavior, and interactions with humans. *(Crosslisted as ZOOL 101.)*

3cr; 45hr lec, TE 3.00 **(DB)**

103L Principles of Zoology Lab

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Coreq: BIOL 103.
Lab to accompany BIOL 103.
(Crosslisted as ZOOL 101L.)
1cr; 45hr lab, TE 2.50 **(DY)**

105 Hawaiian Field Biology

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. Surveys, in the classroom and on location, ecosystems from near-shore ocean waters to mountain top. Considers geological history, physical geography, and natural history. Discuss pre-Polynesian establishment of organisms, origins of endemic species, and the influences of human populations on island ecosystems.
3cr; 45hr lec, TE 3.00 **(HI, DB)**

105L Hawaiian Field Biology Lab

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Coreq: BIOL 105.
Lab to accompany BIOL 105.
1cr; 45hr lab, TE 2.50 **(HI, DY)**

124 Environment and Ecology

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines the biological and physical principles affecting human interactions with the environment. Explores the impacts of science, technology, values, and perceptions on global ecology. Discusses problems of pollution, overpopulation, and resource depletion with an emphasis on island ecosystems. Evaluates alternatives to current actions and public policies stressing responsibility of the individual.
3cr; 45hr lec, TE 3.00 **(DB)**

124L Environment and Ecology Lab

Prereq: BIOL 124 with grade C or better (or concurrent), or consent.
Laboratory to accompany BIOL 124.
1cr; 45hr lab, TE 2.50 **(DY)**

151 Introduction to Genetics

Prereq: ENG 100, or consent.
Recommended: BIOL 100 or 101.
Introduces basic concepts in genetics and explores how they are used in research. Investigates human gene structure and function, including the genetic basis of development, causes of birth defects, mental retardation, genetic diseases, sexual determination, and behavior. Surveys current topics in genetic research.
3cr; 45hr lec, TE 3.00 **(DB)**

152L Introduction to Biotechnology Lab

Prereq: BIOL 100 or 151, and ENG 100, both with grade B or better, and at least MATH 82 with grade B or better or placement at least MATH 103, or consent.
Recommended: High school or college level chemistry
Provides and overview of the impact of biotechnology in the achievement of contemporary objectives in the fields of medicine, ecology, food science, and forensics. Introduces the concepts of bioethics, patenting, and regulatory issues in biotechnology. Focus on laboratory section with hands-on applications in DNA and protein technologies. Course serves as a complimentary lab for BIOL 151.
2cr; 90hr lab, TE 5.00 **(DY)**

171 General Biology I

Prereq or coreq: CHEM 151 or 161, or consent. Coreq: BIOL 171L.
Introduces cell structure and chemistry, growth, reproduction, genetics, evolution, viruses, bacteria, and simple eukaryotes.
Required for life science majors.
3cr; 45hr lec, TE 3.00 **(DB)**

171L General Biology I Lab

Prereq or coreq: CHEM 151 or 161, or consent. Coreq: BIOL 171, or consent.
Laboratory to accompany BIOL 171.
1cr; 45hr lab, TE 2.50 **(DY)**

172 General Biology II

Prereq: BIOL 171, or consent.
Continues BIOL 171. Includes anatomy, physiology, and systematics of plants and animals. Studies behavior, ecosystems, populations, and communities.
3cr; 45hr lec, TE 3.00 **(DB)**

172L General Biology II Lab

Prereq: BIOL 171, 171L, and 172 (or concurrent), or consent.
Laboratory to accompany BIOL 172.
1cr; 45hr lab, TE 2.50 **(DY)**

200 Coral Reefs

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces the biology, ecology, and geology of stony corals and the reef structures they build. Identifies the roles of other members of the coral reef community including algae, other invertebrates, and fishes. Explores the use of corals as resources and the impacts of human activities on coral reefs.
3cr; 45hr lec, TE 3.00 **(HI, DB)**

200L Coral Reefs Lab

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Coreq: BIOL 200.
Laboratory to accompany BIOL 200.
1cr; 45hr lab, TE 2.50 **(DY)**

282 Global Change

Prereq: ENG 100 with grade C or better, or consent. Recommended: College science course.
Introduces principal components of global change and explores the impacts on the environment. Focuses on the interdisciplinary nature of global change and Interrelationships to biological, physical, anthropological, economic, and political concepts. 3cr; 45hr lec, TE 3.00 **(DB)**

331 Marine Mammal Biology

Prereq: Either BIOL 171 or ZOOL 200, and MATH 115, both with grade C or better, or consent.
Provides an overview of marine mammal science, significance and roles of marine mammals in their ecosystems, and marine conservation issues. Covers current research topics in marine mammal science.
3cr; 45hr lec, TE 3.00 **(DB)**

331L Marine Mammal Biology Lab

Prereq: BIOL 331 (or concurrent).
Introduces current field and laboratory techniques and equipment used to collect and analyze data on marine mammal population structure and dynamics.
1cr; 45hr lab, TE 2.50 **(DY)**

424 Protected Species Management

Prereq: BIOL 171 and ZOOL 200/L, all with grade C or better, or consent.
Recommended: ENG 225, and MATH 115.
Examines policy and management issues related to protected species. Explores methods for monitoring and estimating population sizes. Provides opportunities for students to assist agencies with monitoring and assessment activities.
2cr; 30hr lec, TE 2.00 **(DB)**

424L Protected Species Management Lab

Prereq: BIOL 171 and ZOOL 200/L, all with grade C or better, or consent.
Coreq: BIOL 424 Recommended: ENG 225, and MATH 115.
Laboratory to accompany BIOL 424.
1cr; 45hr lab, TE 2.50 **(DY)**

Blueprint (BLPR)

C. Rutherford

101 Blueprint & Drafting Foundations

Prereq: ENG 22 with grade C or better, or placement at ENG 100, and MATH 75X with grade C or better or placement at least MATH 82, or consent

Introduces the fundamental principles of pictorial and architectural drawing and blueprint reading. Focuses on the use of mechanical drawing instruments and freehand sketching to make shop drawings and develop interpretation and visualization techniques as they refer to detailed artistic renderings and construction drawings, and concepts essential to related fields of carpentry, architecture, engineering, and graphic arts. 3cr; 45hr lec, TE 3.00

Botany (BOT)

A. Emmsley

101 General Botany

Studies growth, function, and evolution of plants. Analyzes human interactions with plants and plant interactions with their environment. *(Crosslisted as BIOL 102.)* 3cr; 45hr lec, TE 3.00 **(DB)**

101L General Botany Lab

Coreq: BOT 101.
Laboratory to accompany BOT 101. *(Crosslisted as BIOL 102L.)* 1cr; 45hr lab, TE 2.50 **(DY)**

105 Ethnobotany

Identifies endemic, indigenous, and Polynesian introduced flora of Hawai'i. Examines the many uses of Hawai'i's flora by the indigenous people. Reveals the relationship of gods/plants/man, and connects belief and practices with the intentional migration of specific plants. *(Crosslisted as HWST 211.) Meets Social Science requirement, not Natural Science requirement.* 3cr; 45hr lec, TE 3.00 **(HI, DS)**

105L Ethnobotany Lab

Prereq: BOT 105 or HWST 211, either with a C or better (or concurrent).
Studies the interactions between the Hawaiian culture and plants/plant environments. Considers different levels and types of interactions and patterns of interactions between people and plants. Places emphasis on the importance of cultural upbringing. Includes field trips in lieu of lab. *(Crosslisted as HWST 211L.)* 1cr; 45hr lab, TE 2.50 **(DY)**

Business (BUS)

D. Battacharya, G. Logan, F. Mabie, K. Watanabe

120 Principles of Business

Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent. Recommended: ENG 22 with grade C or better, or placement at ENG 100.
Surveys the fundamentals of American business enterprise and examines the foundations and responsibilities of accounting, management, finance, marketing, and the business environment. 3cr; 45hr lec, TE 3.00

125 Starting a Business

Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent. Recommended: ENG 22 with grade C or better, or placement at ENG 100.
Surveys the business environment, establishing a business entity, decision-making processes, marketing assessments, financing, operations considerations, and government regulations as they relate to the development of a formal business plan. It is designed for those who wish to start or are currently operating their own business. 3cr; 45hr lec, TE 3.00

130 Business Communication - Oral

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Develops competence in oral communication within business and organizational context. Provides the theory and practical skills to be a confident and effective communicator in a variety of business and organizational settings. *(Crosslisted as COM 130.)* 3cr; 45hr lec, TE 3.00 **(DA)**

150 Personal Finance

Prereq: ENG 19 with grade C or better or placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces financial planning, money management and tax planning. Includes financing real and personal property, purchasing insurance and managing investments. *(Crosslisted as ECON 150.)* 3cr; 45hr lec, TE 3.00

310 Statistical Analysis for Business Decisions

Prereq: MATH 115 with grade C or better, or consent.
Emphasizes problem recognition, formulation, and stress on cross-disciplinary complex problem solving and communication. Covers descriptive statistics, probability, and hypothesis testing with emphasis on quality, productivity, and regression analysis. *(Computer intensive.)* 3cr; 45hr lec, TE 3.00

318 Principles of Finance

Prereq: ACC 300 with grade C or better, or consent.
Introduces the theory and practice of financial management: analysis and decision making for asset management, capital budgeting, capital structure, and dividend policy. 3cr; 45hr lec, TE 3.00

320 Entrepreneurship – Opportunity Recognition and Evaluation

Prereq: MGT 310 and MKT 300, or consent.
Develops skills necessary to recognize an opportunity, and evaluate the viability of an idea, prior to the investment of significant time and money. *Uses student teams to develop, present, and critique entrepreneurial startups.* 3cr; 45hr lec, TE 3.00

322 New Venture Leadership

Prereq: MGT 310, or consent. Recommended: PSY 100 or SOC 100.
Focuses on organizational leadership. Emphasizes the human dimension within organizations. Provides a foundation for understanding the process and stages of organization dynamics. Includes the management of change and innovation. 3cr; 45hr lec, TE 3.00

420 Global Business Strategies

Prereq: MKT 300 and MGT 310, or consent.
Focuses on understanding the global environment and the interconnections of cultural, political, legal, economic, and ethical systems. Identifies forms of business ownership and international opportunities. Explores basic concepts underlying international finance, management, marketing, and trade relations. 3cr; 45hr lec, TE 3.00

495   ABIT Capstone I

Prereq: BUS 320 with grade C or better, or consent.
Provides the skills necessary to utilize and demonstrate the tools and understanding developed during the ABIT program. Includes strategy formulation and implementation, competitive analysis, and e-commerce as models for problem solving and decision-making in an organizational setting. A comprehensive business and marketing plan is required.
(Letter grade only.)
3cr; 45hr lec, TE 3.00

496   ABIT Capstone II

Prereq: BUS 495 with grade C or better, or consent.
Provides the skills necessary to utilize and demonstrate the tools and technologies developed during the ABIT program. Includes Internet technology design, prototyping, and implementation. *Requires demonstration of business plan and supporting technology to external stakeholders. Extension of Capstone I project using latest Internet technologies. (Letter grade only.)*
3cr; 45hr lec, TE 3.00

Business Law (BLAW)

G. Logan

200   Legal Environment of Business

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces legal environment in which businesses operate with particular attention to principles of law relating to contracts, agency, commercial paper, partnerships, corporations, and government regulations.
3cr; 45hr lec, TE 3.00

324   Business Law for Entrepreneurs

Prereq: ENG 100 with grade C or better, or consent.
Explores the legal challenges the entrepreneur faces throughout the course of a project or business venture. Identifies and develops skills and tools used to increase or realize value and grow the business while mitigating risks. 3cr; 45hr lec, TE 3.00

360   International Business Law

Prereq: ENG 100 with grade C or better, or consent.
Examines international and national laws as the apply to international trade. Readings and case studies focus on the legal environment of selected areas in the Asia Pacific region and strategies for doing business overseas. 3cr; 45hr lec, TE 3.00

Business Technology (BUSN)

S. Low

50   Basic Computing Skills for College Success

Introduces the basics of how computers are used by college students. Covers the parts and operations of personal computers, the graphical user interface and file management techniques. Provides instruction and practice with E-Mail, Internet and the Laulima course management system. Provides instruction and practice with word processing and presentation programs.
3cr; 45hr lec, TE 3.00

110   Office Computer Troubleshooting and Maintenance

Prereq: BUSN 150 or ICS 101, either with grade C or better, or consent.
Introduces basic troubleshooting and maintenance procedures for personal computers used in typical office environments. Develops basic understanding of computer hardware modules and operating system software. Covers system assembly, disassembly, configuration, booting up, preparing disk drives, loading operating system software, diagnosing problems, and upgrading. 3cr; 45hr lec, TE 3.00

121   Introduction to Word Processing

Introduces the parts of a personal computer and how the computer keyboard and mouse are used. Develops the ability to key alphabetic, punctuation, number, symbol keys, and the ten-key pad by touch. Further develops speed, accuracy, and technique keying. Introduces document formatting. 3cr; 45hr lec, TE 3.00

123   Word Processing for Business

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. Recommended: 35 gross words a minute (gwam) or BUSN 121 with grade C or better.
Uses advanced features from a word processing program to create business documents emphasizing production and proofreading. Integrates knowledge of the Internet and computer. Includes timed computer keyboarding skills for creating and editing business documents and sending electronic attachments.
3cr; 45hr lec, TE 3.00

150   Introduction to Business Computing

Recommended: BUSN 50 or 121.
Introduces the role of computers in the evolution of an information-based society. Reviews history and need for information processing, the basic information processing cycle and functions, processing capabilities of computers, system development, and program development. Provides students with experience in an operating system and business applications, such as word processing, database management, spreadsheets, and presentation software.
3cr; 45hr lec, TE 3.00

151   Intermediate Business Computing

Prereq: BUSN 150 or ICS 101, either with grade C or better, or consent.
Expands the concepts of business computing introduced in BUSN 150. Develops greater proficiency in creating, modifying, and printing documents, spreadsheets, database queries, reports, and forms. Broadens knowledge of word processing, spreadsheet, database, and presentation software. Provides experience with typical business applications that utilize Intranet and Internet technologies.
3cr; 45hr lec, TE 3.00

157   Desktop Publishing for Business

Prereq: BUSN 150 or ICS 101, either with grade C or better, or consent.
Introduces desktop publishing on the personal computer. Develops proficiency in creating and modifying layout for brochures, business cards, fliers, and newsletters. Covers basic principles of graphics designs, formatting techniques, importing text files from word processing programs, preparing and importing various types of graphics, and creating special effects with graphics and text. 3cr; 45hr lec, TE 3.00

158   Social Media and Cloud-Based Collaboration for Business

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. Recommended: Basic computer, Internet, and keyboarding skills.
Introduces students to social media and collaboration tools as they relate to business. Students create, maintain, and update blogs, social media sites, and internal/external collaboration and communication tools. Organizational management of cloud storage is included.
3cr; 45hr lec, TE 3.00

159 Creating and Managing the Virtual Office

Prereq: BUSN 121 or 123, and BUSN 150/ ICS 101, and BUSN 164, all with grade C or better, and ENG 22 with grade C or better, or placement at ENG 100, or consent. Recommended: Basic computer, Internet, and keyboarding skills.

Explores concepts and issues involved in establishing a virtual assistant business. Students apply integrated software applications to complete assignments, create projects, conduct research, and prepare a basic business and marketing plan.
3cr; 45hr lec, TE 3.00

161 Customer Service

Prereq: ENG 22 or placement at ENG 100, or consent.

Builds and maintains the critical skills and understanding necessary to be a dynamic and successful member of today's rapidly growing service economy. Individuals who work with customers gain insight into customer behavior and attitudes and develop strategies to create positive customer relationships encountered in various situations on the job. 3cr; 45hr lec, TE 3.00

164 Career Success

Prereq: ENG 22 with grade C or better (or concurrent), or placement at ENG 100, or consent. Recommended: Computer experience using word processing.

Presents concepts and theories relating to workplace behavior and managing one's attitude and relationships for workplace effectiveness. 3cr; 45hr lec, TE 3.00

166 Professional Employment Preparation

Facilitates employment search by emphasizing professional techniques and standards in the preparation of application forms, resumes, cover letters, and employment interviews. *(Crosslisted as IS 105C.)*
1cr; 15hr lec, TE 1.00

170 Records and Information Management

Prereq or coreq: ENG 100, or consent.
Studies principles and procedures for organizing and operating Records and Information Management (RIM) programs. Topics include: selection of filing systems, equipment, and supplies, procedures for storage, retrieval, transfer, retention, and disposal of record; records inventory and analysis; records protection and disposition; and study and application of ARMA (Association of Records Managers and Administrators) rules for alphabetic, alpha-numeric, geographic, numeric, and subject methods. Helps a business or organization meet its fiscal, legal, governmental, requirements by managing its information systems. 3cr; 45hr lec, TE 3.00

185 Processing Physician's Orders

Prereq: NURS 50 and BUSN 123, both with grade C or better, or consent.
Introduces skills for transcribing physician orders. Includes transcribing medication, intravenous, admission, pre-operative, post-operative, and referral orders. Includes computer transcription.
3cr; 45hr lec, TE 3.00

189 Business Mathematics

Prereq: MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces various quantitative computational procedures used in accounting and finance such as present and future value concepts, payroll, inventory, and international currency exchange rates. Utilization of the electronic 10-key pad as a tool for calculating is stressed.
3cr; 45hr lec, TE 3.00

193v Business Technology Cooperative Education

Prereq: BUSN 123, BUSN 151, and BUSN 170, all with grade C or better; or BUSN 159 (or concurrent) and BUSN 158, both with grade C or better; or consent.
Provides practical career-related work experience through a program used nationally in colleges and universities to apply classroom knowledge and to develop job competencies. Full-time or part-time work in private and public sectors of the business, government and industrial communities is utilized for this program. *(Letter grade only.)* 1-3cr; 1.25hr seminar, plus minimum 75hr/cr documented field experience (e.g., 1cr-75hrs, 2cr-150hrs)

232 Business Computer Spreadsheets

Prereq: BUSN 151 and BUSN 189, both with grade C or better, or consent.
Covers business spreadsheets with special attention to advanced techniques required by experts. Develops critical thinking skills for applying software tools to business problems. Covers financial and logical functions, custom formatting, charts and graphs, multi-sheet and shared workbooks, formula auditing, data importing, Web features, one-variable and two-variable data tables, and application development tools.
3cr; 45hr lec, TE 3.00

237 Business Computer Databases

Prereq: BUSN 151 and BUSN 189, both with grade C or better, or consent.
Covers business databases with special attention to advanced techniques required by experts. Develops critical thinking for applying software tools to business problems. Covers databases and table creation and modification, queries, forms, reports, defining data relationships, importing and exporting data, multi-user databases, operations on the Web, and creating database applications.
3cr; 45hr lec, TE 3.00

261 Web Page Construction Fundamentals and Marketing

Prereq: BUSN 150 or ICS 101, either with grade C or better, or consent.
Introduces web page construction including HTML code, Internet service providers, and web page construction software. Examines World Wide Web marketing strategies. 3cr; 45hr lec, TE 3.00

292 Integrated Office Procedures

Prereq: BUSN 123, 151, and 193v, all with grade C or better, or consent.
Designed to bring together, within a portfolio, all elements of learning from the Business Technology program. Includes advanced word processing, spreadsheet, database, integration of applications, and creation of a web site. Utilizes Microsoft applications. Applies electronic presentations for projects. *Prepares for Microsoft Office Specialist (MOS) Core certification. (Letter grade only.)* 3cr; 45hr lec, TE 3.00

⚜ Carpentry (CARP)

C. Rutherford

120   Basic Carpentry Skills

Prereq: ENG 19 with grade C or better or placement at least ENG 22, and at least MATH 75X with grade C or better (or concurrent) or placement at least MATH 82, or consent.
Introduces proper use and maintenance of carpentry hand and power tools. Practices selecting and using construction materials and fastening systems. *(Formerly CARP 20)*
3cr; 15hr lec, 60hr lec-lab, TE 3.13

121   Framing and Exterior Finish

Prereq: CARP 120, or consent.
Introduces theoretical and job related skills necessary to lay out and construct foundations, wall and ceiling framing, roofing systems, and apply exterior finish components for residential and light commercial construction. *(Formerly CARP 40)*
3cr; 15hr lec, 60hr lec-lab, TE 3.13

122   Interior Finish

Prereq: CARP 120, or consent.
Introduces interior finish of floors, walls, ceiling, trim and special feature applications in residential and light commercial construction. *(Formerly CARP 43)*
3cr; 15hr lec, 60hr lec-lab, TE 3.13

⚜ Chemistry (CHEM)

M. Ferguson

100   Chemistry and Society

Prereq: ENG 22 with grade C or better or placement at least ENG 100, and MATH 75X with grade C or better or placement at least MATH 115, or consent.
Provides an introduction to chemistry for non-science majors. Reviews basic chemistry concepts and their application to everyday life. Provides a survey of concepts and applications of chemistry with emphasis on the role of chemistry in the real world.
3cr; 45hr lec, TE 3.00 **(DP)**

100L   Chemistry and Society Lab

Prereq: CHEM 100 (or concurrent) with grade C or better; and ENG 22 with grade C or better or placement at ENG 100, and MATH 75X with grade C or better or placement at least MATH 115; or consent.
Laboratory to accompany CHEM 100. Lab introduces fundamental applications of chemistry, with special emphasis on relevant topics and how chemistry relates to the real world. *(Intended for students preparing for careers in non-science fields.)*
1cr; 45hr lab, TE 2.50 **(DY)**

131   Preparation for General Chemistry

Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 82 with grade C or better or placement at least MATH 103; or consent.
Provides background in algebra and elementary concepts of chemistry in preparation for entering the General Chemistry sequence. 3cr; 45hr lab, TE 3.00

151   Elementary Survey of Chemistry

Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 82 with grade C or better or placement at least MATH 103; or consent.
Provides the beginning student with background in the fundamentals of chemistry. Intended for students needing a one-semester science course. Presents films, demonstrations, and experiments of introductory laboratory techniques illustrating chemical principles. 3cr; 45hr lec,TE 3.00 **(DP)**

151L   Elementary Survey of Chemistry Lab

Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 82 with grade C or better or placement at least MATH 103; or consent. Coreq: CHEM 151
Laboratory to accompany CHEM 151
1cr; 45hr lab, TE 2.50 **(DY)**

161   General Chemistry I

Prereq: ENG 22 with grade C or better, or placement at ENG 100, and MATH 103 with grade C or better (or concurrent) or placement at least MATH 135, or consent. Coreq: CHEM 161L.
Covers basic principles of chemistry including introduction to units, equations, atomic structure, chemical bonding, gases, crystals, and solutions.
3cr; 45hr lec, TE 3.00 **(DP)**

161L   General Chemistry I Lab

Coreq: CHEM 161, or consent.
Presents laboratory experiments illustrating fundamental principles of chemistry.
1cr; 45hr lab,TE 2.50 **(DY)**

162   General Chemistry II

Prereq: CHEM 161 and at least MATH 135, or consent. Coreq: CHEM 162L.
Covers reaction thermodynamics, chemical kinetics, chemical equilibrium, acids and bases, solubility, complex ions, oxidation-reduction, and the various groups of elements including their differences, production, uses, and reactions.
3cr; 45hr lec, TE 3.00 **(DP)**

162L   General Chemistry II Lab

Coreq: CHEM 162, or consent.
Presents laboratory experiments illustrating fundamental principles of chemistry.
1cr; 45hr lab, TE 2.50 **(DY)**

272   Organic Chemistry I

Prereq: CHEM 162 with grade C or better, or consent. Coreq: CHEM 272L.
Introduces the first semester of a comprehensive organic chemistry course including molecular structure, nomenclature, stereochemistry, spectroscopy, reactions and reaction mechanisms, synthesis, and applications to biology. *Intended for science majors.* 3cr; 45hr lec, TE 3.00 **(DP)**

272L   Organic Chemistry I Lab

Prereq: CHEM 162L with grade C or better, or consent. Coreq: CHEM 272.
Introduces standard laboratory principles of organic chemistry including proficient use of laboratory equipment, manipulation of organic materials, laboratory safety, molecular structure, nomenclature, stereochemistry, spectroscopy, reactions and reaction mechanisms, synthesis, and applications to biology. *Intended for science majors.* 2cr; 60hr lab, TE 3.33 **(DY)**

273   Organic Chemistry II

Prereq: CHEM 272 with grade C or better, or consent. Coreq: CHEM 273L.
Covers the second semester of a comprehensive organic chemistry course including molecular structure, nomenclature, stereochemistry, spectroscopy, reactions and reaction mechanisms, synthesis, and applications to biology.
3cr; 45hr lec, TE 3.00 **(DP)**

273L   Organic Chemistry II Lab

Prereq: CHEM 272L with grade C or better, or consent. Coreq: CHEM 273.
Covers the second semester of standard laboratory principles of organic chemistry including proficient use of laboratory equipment, manipulation of organic materials, laboratory safety, molecular structure, nomenclature, stereochemistry, spectroscopy, reactions and reaction mechanisms, synthesis, and applications to biology.
2cr; 60hr lab, TE 3.33 **(DY)**

⚜ Communication (COM)

W. Hashimoto

130   Business Communication - Oral

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Develops competence in oral communication within business and organizational context. Provides the theory and practical skills to be a confident and effective communicator in a variety of business and organizational settings.
(Crosslisted as BUS 130.)
3cr; 45hr lec, TE 3.00 **(DA)**

145 Interpersonal Communication I

Provides the theory and practical skills to be a competent communicator in a one-to-one setting.

3cr; 45hr lec, TE 3.00 **(DS)**

210 Intercultural Communication I

Prereq: ENG 100, or consent.

Explores problems and opportunities of communicating in a variety of intercultural contexts. Focuses on theory and practice in managing intercultural communication effectiveness.

3cr; 45hr lec, TE 3.00 **(DS)**

215 Conflict Resolution & Mediation

Prereq: COM 145, BUS/COM 130, or PSY 100, any with grade C or better, or consent. Recommended: ENG 100 with grade C or better.

Explores the reason for conflict and the different approaches for seeking resolution for conflict. Studies personal and societal value systems, the psychology of how people respond to conflict, the impact of culture on conflict styles, communication skills useful in dealing with conflict, and alternative resolution strategies. Practices mediation skills as a third party intervention method. *(Crosslisted as PSY 253.)*

3cr; 45hr lec, TE 3.00 **(DS)**

353 Conflict Management & Resolution

Prereq: ENG 100, PSY 100, or SOC 100, any with grade C or better; and BUS/COM 130, COM 145, or COM 210, any with grade C or better; or consent. Recommended: PSY 253/COM 215.

Examines communication and behavior in interpersonal conflict through analysis of professional and personal relationships. Assesses political, social, and cultural influences on conflict, and applies Western and Polynesian models of dispute resolution processes in relational conflict. *(Crosslisted as PSY 353.)*

3cr; 45hr lec, TE 3.00 **(DS)**

459 Intercultural Communication II

Prereq: ENG 100 with grade C or better, or consent.

Surveys the major factors affecting interpersonal communication between/among members of different cultures. Expands breadth and depth of knowledge of cultural, social, and political influences on intercultural communication. Focuses on theory, research, and managing intercultural effectiveness globally.

3cr; 45hr lec, TE 3.00 **(DS)**

☙ Community Health Worker (CHW)

S. LeGare

135 Health Promotion/Disease Prevention

Prereq: HSER 101 with grade C or better, or consent.

Explores the role Community Health Workers play in health promotion and disease prevention. Introduces the major causes of premature mortality and morbidity, behavioral and environmental contributions to illness and injury, and strategies for promoting health, wellness and risk reduction. Provides opportunities to practice developing and teaching health promotion/disease prevention classes.

3cr; 45hr lec, TE 3.00

☙ Cooperative Arts & Sciences Education (CASE)

J. Patao

See Special Curricula section for details.

193v, 293v Work-Based Learning
393v, 493v Work-Based Learning

Prereq for 393v and 493v: Students must be upper division program majors, or consent.

Cooperative Education is an academic course awarding college credits to students who participate in a field experience that is related to their major or career goals.

☙ Cooperative Vocational Education (CVE)

J. Patao

See Special Curricula section for details.

93v, 193v, 293v Work-Based Learning

☙ Creative Media (CM)

B. Kohne

105 Storytelling: Find Your Voice in Creative Media

Introduces students to core principles of Digital Storytelling as a career, and inspires passion, focus, and commitment. Students explore the nature of storytelling and storytellers through media such as movies, literature, spoken word, television, web, news, classic and commercial art, and are exposed to media professionals as guest presenters. Students then apply what they learn by creating a/their digital story in video or website form.

3cr; 45 hr lec, TE 3.00 **(DA)**

119 Movies from Script to Screen

Introduces the interconnected processes of screenwriting, production, editing and marketing for digital motion pictures. Examines primary considerations when planning digital video projects. *(Formerly CM 115)*

3cr; 45 hr lec, TE 3.00 **(DA)**

120 Introduction to Digital Video

Prereq: CM 152 with grade C or better(or concurrent), or consent

Develops foundational skills in pre-production and production for both studio and field-based video projects. The course emphasizes technical aspects of digital cinematography and sound recording as well as fundamentals of field and TV studio production in terms of conceptual development, planning, writing, storyboarding, editing, and project management. In addition, students will be introduced to basic rules of visual composition, sequencing and storytelling.

3cr; 45 hr lec, TE 3.00 **(DA)**

123 Photoshop and Illustrator

Prereq or coreq: ICS 101 (or concurrent), or consent.

Introduces the basic tools and features of raster image editing, photo retouching, and color correction of images. Focuses on the fundamental drawing techniques of vector illustration graphics, including pen tool paths, objects, and type with specific attention to practical applications.

3cr; 45 hr lec, TE 3.00 **(DA)**

125   Introduction to Graphic Design
Prereq: CM 123 with grade C or better, or consent.
Plan, develop and produce visual communications for print and electronic formats. Elevate skills and prepare for a career in graphic design with hands-on experience while utilizing industry-standard software to explore your creativity in a design-centric and project-focused environment.
3cr; 45 hr lec, TE 3.00 **(DA)**

139   Media Analysis: Comedy
Explores literary humorists such as Mark Twain and Hunter S Thompson, the rise of comedy in Radio/TV/Film in the mid-twentieth century, groundbreaking stand-up comedians such as Lenny Bruce, George Carlin, and Chris Rock, plus iconic classics Saturday Night Live and Monty Python's Flying Circus. Students will discover the science of comedy and utilize proven techniques to inject humor into both their writing and commercial art.
3cr; 45 hr lec, TE 3.00 **(DH)**

144   Media Analysis: Graphic Novel
Examines the history, evolving art forms and cinematic interpretations of comic books. Topics include the process of artistic adaptation, contrasting approaches to creating narrative and visual structures, historical and social responses to the material and how the creation of graphic novel artistry on film can accelerate or condescend the intent of the original author.
3cr; 45 hr lec, TE 3.00 **(DH)**

146   Media Analysis: Horror Cinema
Explores the subtext, artistic influences and social relevance within the history of horror films. Covers the varying definitions of the genre, the social and political means in which the subject is examined and focuses on the need for the genre to address and confront troubling societal norms. Students will work at developing abilities at constructive criticism and become familiar with tropes and possibilities within the genre. 3cr; 45 hr lec, TE 3.00 **(DH)**

147   Mass Media and Culture
Examines the historical beginnings of electronic media and its global impact by delving into the advent and rise of radio, cinema, television, home computers, the internet, social-media, and emerging technologies. Students develop critical-thinking skills as they further understand the potential of shaping understanding, creating art, commerce, and sharing of ideas on an international scale.
3cr; 45 hr lec, TE 3.00 **(DS)**

148   Media Analysis: World Cinema
Introduces students to indigenous, Hawaii, and world cinema history, and encourages creative writing and critical thinking. Subjects cover the origin and growth of international cinema, lingering stereotypes, and perceptions of culture. Students will work on research projects, delve into histories of international and/or island-based cultures, broaden understanding and perspectives on creative arts, explore established norms within narrative and documentary media, and explore the possibilities for future careers in digital media, production, writing and social causes.
3cr; 45 hr lec, TE 3.00 **(DH)**

152   Principles of Video Editing
Prereq: CM 123 with grade C or better, or consent.
Develops technical and creative skills essential for video editing. Students learn to manipulate existing footage into thoughtful and creative video edits by using Adobe Premier Pro software and discover the technical and creative elements essential for success. *(Formerly CM 149)*
3cr; 45 hr lec, TE 3.00 **(DA)**

175   Motion Graphics and Animation
Prereq: CM 152 with grade C or better, or consent.
Introduces two-dimensional digital illustration, animation principles, and techniques. Topics include drawing and manipulating objects, scaling and rotating, creating symbols, tweens, frame by frame animations, nested animations, and animating along a path. Additionally, lessons will include audio integration, synching and basic interactive elements. Projects will utilize the use of vector and raster images, typology and effects to create integrated motion graphics for use in advertising, education or demonstration purposes.
3cr; 45 hr lec, TE 3.00 **(DA)**

180   Intermediate Web Technology
Prereq: CM 125 with grade C or better, or consent.
Studies and practices creative strategies for the build and maintenance of professional websites using powerful industry-standard tools and advanced methodologies. Explores social media, search-engine optimization, business and advertising paradigms, and emphasizes effective client and project management skills. Students are not required to have prior web-coding experience, but would benefit greatly if they do. This is a hands-on, intensive course for graphic artists and web developers to prepare them for either entry level or advanced work in the field.
3cr; 45 hr lec, TE 3.00 **(DA)**

220   Intermediate Digital Video
Prereq: CM 120 with grade C or better, or consent.
Develops advanced skills in pre-production and production for both studio and field-based video projects. The course emphasizes technical and creative aspects of digital cinematography and sound recording as well as essential skills for field and TV studio production in terms of conceptual development, planning, writing, storyboarding, editing, and project management. Students must produce, deliver, and exhibit a graduate-level narrative or documentary short film to complete this course.
3cr; 45 hr lec, TE 3.00 **(DA)**

225   Intermediate Graphic Design
Prereq: CM 125 with grade C or better, or consent.
Explore higher-levels of communication design with in-depth refinement of the creative process and emphasis on typography, composition, and layout. Assigned projects demand effective branding and marketing solutions, compelling logo design, and professional multiple-page interactive document design and layout. Working with industry-leading software including Adobe Illustrator, Photoshop and InDesign this course prepares students to manage complex projects, and the expectations of their clients.
3cr; 45 hr lec, TE 3.00 **(DA)**

252 Intermediate Video and Audio Editing

Prereq: CM 152 with grade C or better, or consent.

Emphasizes next-level editing considerations, and professional editorial techniques while also providing support in the completion of Graduate projects for Creative Media filmmaking majors. Editing is at its core communication; students in this course develop strategies within a grand scale of intent, meaning, and impact, while elevating their capabilities with sound effects, dialog preparation, score, and fundamental sound design principles.
3cr; 45 hr lec, TE 3.00 **(DA)**

285 Creative Media Capstone

Prereq: CM 175 with grade C or better, or consent. Recommended: Completion of the majority of Creative Media requirements for an A.S. degree.

Evaluates the scope of understanding accumulated during the student's years in the program, with requires delivery of an ambitious final project encompassing their overall knowledge, familiarity and process in their chosen subject area. For designers/ photographers that might be a portfolio, a reel for filmmakers/animators, or for web developers a comprehensive site. Through job market research and development of employment strategies, we also aim to prepare students as entrepreneurs, for the workforce, or continuation to a four-year college. 3cr; 45 hr lec, TE 3.00 **(DA)**

✋ Culinary Arts (CULN)

T. Lelli, C. Omori, T. Shurilla, C. Speere

100 Math for the Culinary Arts

Prereq: MATH 75X with grade C or better or placement at least MATH 82, or consent.

Introduces the quantitative methods, reasoning, and operations necessary to perform tasks and solve problems needed by culinary professionals. The quantitative methods covered include computation measurement, ratio, proportion, and percent; conversions, recipe scaling, yield percent, and recipe costing; baker's percent and kitchen ratios; purchasing, and proportioning. Applications include interpretation and analysis of quantitative information needed in culinary situations. *The course is designed for Culinary Arts degrees and certificates but does not satisfy the Foundation Symbolic Reasoning (FS) and Foundation Quantitative Reasoning (QR) core requirement of an Associate in Arts degree. (Letter grade only.)*
3cr; 45 hr lec, TE 3.00

111 Introduction to the Culinary Industry

Provides an overview of the culinary industry within the aspects of the entire hospitality industry. It provides students with an introduction to the historical, social, and cultural forces that have affected and shaped the industry of today. Students identify job qualifications and opportunities, professional standards, communication skills, and attitudes essential for successful workers in the industry *(Letter grade only.)*. 2cr; 30hr lec, TE 2.00

112 Sanitation and Safety

Provides the study and application of the principles and procedures of sanitation and safety in the hospitality industry. Includes the study of food-borne illnesses, biological, chemical, and physical hazards, and cross-contamination as they may occur during the flow of food. An introduction to HACCP (Hazard Analysis Critical Control Point) and other sanitation and safety programs will also be presented. Safety issues, ServSafe certification or equivalent, and OSHA (Occupational Safety and Health Administration) guidelines and standards will be covered as they apply to the hospitality industry. *(Letter grade only.)*
2cr; 30hr lec, TE 2.00

115 Menu Merchandising

Studies the factors involved in planning effective menus for a variety of food service operations. Includes the design, format, selection, costing, pricing, and balance of menu items based on an understanding of the needs of various target markets. *(Letter grade only.)*
2cr; 30hr lec, TE 2.00

120 Fundamentals of Cookery

Prereq: CULN 112 with grade C or better(or concurrent), or consent.

Introduces the fundamental concepts, skills, and techniques of food preparation. Includes the use of standardized recipes, basic cooking methods for meats, stocks, soups, sauces, seafood, vegetables, and starches. Students will learn to identify, use, and maintain all equipment, tools, and utensils in a safe and sanitary manner. *(Letter grade only.)*
5cr; 180hr lec-lab, TE 7.50

130 Intermediate Cookery

Prereq: CULN 112 and CULN 120, both with grade C or better, or consent.

Focuses on the application of basic concepts, skills, and techniques in fundamentals of cookery to short order cookery, including breakfast cookery, as found in coffee shops, snack bars, and other quick service outlets, with emphasis in American Regional Cuisine; to quantity food production with emphasis on menu development, recipe standardization and conversion, and quality control. Includes experience in both quantity food production and short-order cookery. *(Letter grade only.)*
5cr; 180hr lec-lab, TE 7.50

132 Batch Cookery

Prereq: CULN 112 and CULN 120, both with grade C or better, or consent.

Focuses on fundamental concepts, skills, and techniques of cookery. Includes the use of standardized recipes. Covers basic cooking methods for meats, poultry, seafood, vegetables, and starches. Teaches identification, use and maintenance of equipment, tools, and utensils in a safe and sanitary manner. Special focus on batch cookery, and larger production cooking, and just-in-time preparation as needed throughout the serving period in order to preserve food quality and prevent waste. *(Letter grade only.)*
5cr; 180hr lec-lab, TE 7.50

150 Fundamentals of Baking

Prereq: CULN 112 with grade C or better (or concurrent), or consent.

Introduces the fundamental concepts, skills, and techniques of basic baking. Special emphasis is placed on the study of ingredient functions, product identification, weights, measures, and proper use and maintenance of bakeshop tools and equipment. Students identify the basic baking concepts and techniques in preparing items such as quick breads, yeast breads, pies, cakes, cookies, dessert sauces, custards, and creams. *(Letter grade only.)*
5cr; 180hr lec-lab, TE 7.50

155   Intermediate Baking

Prereq: CULN 150 with grade C or better, or consent.

Studies international culinary terms, ingredient identification, and safety and sanitation practices. Examines science of lean and rich yeast dough products, flat breads, breakfast goods, and a wide variety of yeast breads, along with application in the production of laminated dough products such as classical French puff pastry dough, croissants, and Danish pastries. Introduces the theory of chocolate and emphasizes skills involved in chocolate tempering, bonbons, and decor. Provides instruction and demonstrations in beginning petit fours and confections. *(Letter grade only.)*
5cr; 180hr lec-lab, TE 7.50

160   Dining Room Operations

Prereq: CULN 112 with grade C or better (or concurrent), or consent.

Studies and applies a variety of service styles and techniques practiced by industry with special emphasis on the importance of the relationship coordination between the front and the back of the house. Includes the study of the principles, practices, responsibilities and liabilities associated with alcohol service. *(Letter grade only.)*
5cr; 180hr lec-lab, TE 7.50

191   Catering Field Experience

Prereq: CULN 112 with grade C or better (or concurrent), or consent.

Provides broad-based exposure to principles and practice of the fundamentals of catering within the food service industry. Utilizes practical hands-on experiences to teach the facets of sales, planning, preparation, and service of catered on and off-premise affairs covering: theme, receptions, buffets, and banquets. Also provides a means for experiencing a diversity of on-site food service through field trips. *(Letter grade only.)*
1cr; 75 hours per semester documented industry catering experience.

220   Advanced Cookery

Prereq: CULN 130 and 132, both with grade C or better, or consent.

Develops skills in the preparation of pates, terrines, galantines, canapes, hot and cold hors d'oeuvres, appetizers, mousses and gelatins. Also covered are the techniques of cold food decoration, cold platter design and presentation and the design and planning of buffets. *(Letter grade only.)*
5cr; 165hr lec-lab, TE 6.88

240   Garde Manger

Prereq: CULN 130 with grade C or better, or consent.

Provides instruction and demonstration in the preparation of hot and cold hors d'oeuvres, canapes, aspics, chaud-froids, mousses, pates and terrines, buffet centerpieces, and vegetable and ice carvings. Discusses buffet catering, set-up, and menu planning. *(Letter grade only.)*
3cr; 135hr lab, TE 5.63

250   Advanced Baking I

Prereq: CULN 155 and ENG 100, both with grade C or better, or consent.

Develops skills used in the production of more advanced baked pastry and confectionery products: especially chocolates, candies and decorated specialties which include, specialty cakes, wedding cakes, pastillage, gum paste, royal icing, and chocolate decor. Students will define, describe, and prepare various types of meringues and filling, and develop advanced decorating and finishing techniques for cakes. *(Letter grade only.)*
5cr; 180hr lec-lab, TE 7.50

251   Advanced Baking II

Prereq: CULN 250 with grade C or better, or consent.

Develops skills used in the production of more advanced baked pastry and confectionery products. Emphasizes the techniques required to produce items such as souffles, parfaits, ice creams, and sorbets, plated desserts, marzipan, decorated specialties, sugar and isomalt decoration, and pastillage. *(Letter grade only.)*
5cr; 180 hr lec-lab, TE 7.50

271   Purchasing and Cost Control

Prereq: CULN 120 and CULN 130, both with grade C or better, or consent.

Analyzes purchasing and food control systems in commercial food service operations. Practices cost and sales analysis, comparative buying, and inventory control. *(Letter grade only.)*
4cr; 165hr lec-lab, TE 6.88

291   Culinary Field Experience

Prereq: CULN 130 and CULN 132, both with grade C or better (or concurrent), or consent.

Offers flexible, customized, and supervised school to work experiences in all aspects of the culinary arts industry. Integrates and applies classroom theory to work situations via numerous field experiences. Infuses the "Culinarian's Code" into field experiences. *(Letter grade only.)*
2 cr; 150 hours per semester documented industry work.

❦ Dental Hygiene (DH)

R. Vierra

150   Oral Histology & Embryology

Prereq: Admission to Dental Hygiene program.
Describes general and oral histology including an overview of oral embryology, a study of the fundamentals of cytology, and the normal microscopic anatomy of oral tissues. *(Letter grade only.)*
2cr; 30hr lec, TE 2.00

153   Assessment Procedures in Dental Hygiene

Prereq: Admission to Dental Hygiene program.
Provides an orientation to dental hygiene practice. Focuses on the assessment techniques of the dental hygiene process of care model. Introduces infectious diseases important to dentistry, hazardous materials management, waste management, and rules of regulatory agencies (DCCA, OSHA, CDC and ADA). Teaches disinfection, instrument decontamination, sterilization procedures, tray set-up preparation and protocols, and emergency procedures for hazardous and biohazardous waste and materials. Focuses on dental hygiene assessment procedures including: review of health/dental history, vital signs, extra/intraoral examination, assessment of the dentition, and comprehensive periodontal examination. Discusses rationale for collection of assessment data and associated clinical procedures. *(Letter grade only.)* 2cr; 30hr lec, TE 2.00

155   Dental Emergencies

Prereq: Admission to Dental Hygiene program.
Provides an overview of medical and dental emergencies including prevention of and preparedness for management of emergencies, client observation, and vital signs. Discusses basic principles of pharmacology related to emergencies including drug actions and interactions, toxicity and allergy, dental drugs in common use, and drugs used in the treatment of medical problems. Describes legal and ethical aspects of emergency procedures in dentistry.
(Letter grade only.) 1cr; 15hr lec, TE 1.00

156   Pre-clinical Dental Hygiene

Prereq: Admission to Dental Hygiene program.
Introduces clinical procedures and techniques of dental hygiene including prevention of disease transmission, health/dental history, extra/intraoral examination, gingival evaluation and description, comprehensive periodontal examination, suspicious caries examination, and classification of occlusion. Demonstrates operation of the dental unit, basic instrumentation techniques, and ergonomic practice.
(Letter grade only.)
3cr; 15hr lec, 90hr lab, TE 4.38

158 Anatomical Sciences

Prereq: Admission to Dental Hygiene program.
Examines dental anatomy focusing on the development, morphology and functions of the teeth, head and neck including mastication. *(Letter grade only.)*
2cr; 30hr lec, TE 2.00

252   Dental Materials

Prereq: DH 158 with grade C or better.
Coreq: DH 252L.
Examines the study of materials utilized in the practice of dentistry and dental hygiene. Reviews properties of dental materials and presents ADA requirements. *(Letter grade only.)* 1cr; 15hr lec, TE 1.00

252L Dental Materials Lab

Prereq: DH 158 with grade C or better.
Coreq: DH 252.
Develops laboratory experience providing students with techniques in preparation and utilization of dental materials. *(Letter grade only.)* 2cr; 90hr lab, TE 3.75

254   Pathology in Dental Hygiene and Special Patient Populations

Prereq: Admission to Dental Hygiene program.
Introduces general pathology and specific pathologic processes, repair, healing, and regressive changes. Discusses social significance of pathology. Correlates pathology and diseases related to the dental hygiene client, including the indications and contraindications for care, modifications to treatment, and appointment planning for special patient/client populations. Uses client case studies. *(Letter grade only.)*
3cr; 45hr lec, TE 3.00

255   Oral Pathology in Dental Hygiene

Prereq: DH 254 with grade C or better, or consent.
Examines pathology of the head, neck, and oral structures. Differentiates developmental conditions, caries, diseases of bacterial, viral, and fungal origin. Describes neoplasms of the oral cavity. *(Letter grade only.)* 2cr; 30hr lec, TE 2.00

256   Applied Pharmacology in Dentistry

Prereq: PHRM 203 with grade C or better, or licensed dentist or dental hygienist.
Examines drugs by groups with special emphasis on those used in dentistry including their physical and chemical properties, dosage, and therapeutic effects. Describes implications for client dental hygiene care using case studies. *(Letter grade only.)*
2cr; 30hr lec, TE 2.00

257   Periodontics 1 and Advanced Clinical Techniques

Prereq: DH 156 with grade C or better.
Focuses on fundamental principles of periodontology including normal periodontium, etiology, and classification of periodontal disease and relationship of dental deposits to periodontal diseases. Correlates basic sciences with the clinical aspects of periodontal diseases. Describes etiology and pathogenesis of periodontal diseases. Identifies development of periodontal pocket, abscess, and process of bone loss. Demonstrates advanced instrumentation techniques, ultrasonic devices, root planing, curettage, subgingival irrigation, and hypersensitivity. *(Letter grade only.)*
2cr; 15hr lec, 45hr lab, TE 2.50

258   Periodontics 2 and Advanced Clinical Techniques

Prereq: DH 257 with grade C or better.
Focuses on diagnosis, treatment planning, and therapeutic procedures. Explains preventive and therapeutic measures within scope and responsibility of the dental hygienist. Utilizes advanced instrumentation in periodontal treatment. Compares types of periodontal surgery and therapies. Describes rationale and criteria for periodontal referral. *(Letter grade only.)*
2cr; 15hr lec, 45hr lab, TE 2.50

260   Clinical Dental Hygiene 1

Prereq: DH 156 with grade C or better.
Focuses on assessing, planning, implementing, and evaluating dental hygiene care on clinic clients. Develops clinical competency, skills, and performance with each successive academic semester.
(Letter grade only.)
4cr; 15hr lec, 135hr lab, TE 6.25

261   Clinical Dental Hygiene 2

Prereq: DH 260 with grade C or better.
Focuses on assessing, planning, implementing, and evaluating dental hygiene care on clinic clients. Develops clinical competency, skills, and performance with each successive academic semester.
(Letter grade only.)
2cr; 15hr lec, 45hr lab, TE 2.50

262   Clinical Dental Hygiene 3

Prereq: DH 261 with grade C or better.
Focuses on assessing, planning, implementing, and evaluating dental hygiene care on clinic clients. Develops clinical competency, skill, and performance.
(Letter grade only.)
5cr; 15hr lec, 180hr lab, TE 8.13

263   Clinical Dental Hygiene 4

Prereq: DH 262 with grade C or better.
Focuses on assessing, planning, implementing, and evaluating dental hygiene care on clinic clients. Develops clinical competency and skills. *(Letter grade only.)*
5cr; 15hr lec, 180hr lab, TE 8.13

264   Community Dental Health

Prereq: Admission to Dental Hygiene Program.
Examines community dental health problems, school dental health programs, and epidemiology of dental disease, as well as assessment, development, implementation, and evaluation of a community dental health program. *(Letter grade only.)*
2cr; 30hr lec, TE 2.00

265 Law and Ethics in Dental Hygiene

Prereq: Admission to Dental Hygiene program.
Describes ethics, jurisprudence, and practice aspects of dental hygiene practice. Discovers employment opportunities. Discusses resumes, interviewing, and office policies. *(Letter grade only.)*
1cr; 15hr lec, TE 1.00

266 Local Anesthesia and Pain Control

Prereq: DH 155 and DH 256, both with grade C or better.
Reviews pharmacology, anatomy, physiology, and emergency procedures associated with local anesthesia and nitrous oxide/oxygen analgesia. Demonstrates preparation for and administration of conduction and infiltration anesthesia in dental procedures. Provides laboratory and clinical experience in administration of local anesthesia and nitrous oxide/oxygen analgesia. *(Letter grade only.)* 2cr; 15hr lec, 45hr lab, TE 2.50

267 Dental Radiology and Interpretation

Prereq: Admission to Dental Hygiene Program.
Coreq: DH 158
Reviews the production, characteristics, and biological effects of radiation, functions, components, and operation of the x-ray unit. Includes radiation protection and monitoring, chemistry, and techniques associated with x-ray film and developing solutions. Reviews anatomic landmarks, intraoral, short-cone radiographic techniques in bitewing, periapical, full mouth, and occlusal surveys. Introduces and explains experience of radiographic identification, interpretation of radiographic caries, periodontal disease, endodontics, edentulous, trauma, and dental anomalies utilizing dental x-ray films, panoramic, cephalometric, and other extraoral radiographs. Explains forensic and legal considerations of dental radiology. Reviews traditional methods of x-ray exposure including digital technique. Includes clinical lab experience of exposing and interpreting radiographs on clients. *(Letter grade only.)*
3cr; 15hr lec, 90hr lab, TE 4.38

☙ Digital Media (DMED)

193v Digital Media Internship I

Prereq: ICS 161, and consent of instructor and Co-op coordinator.
Recommended: ICS 102 and ENG 100.
Reflects student interest and the availability of job stations. Offers opportunity to upgrade workplace employability. *Student, instructor, and employment supervisor jointly develop learning outcomes; instructor and employment supervisor jointly evaluate student.*
1-3cr; 1.25hr seminar plus 75hr per credit documented field experience (e.g., 1cr-75hr, 2cr-150hr, 3cr-225hr)

293v Digital Media Internship II

Prereq: DMED 193v, ENG 100, and consent.
Recommended: MATH 100 or MATH 107, and BUS/COM 130.
Reflects student interest area and the availability of job stations. Offers the opportunity to upgrade employment and problem-solving skills. *Student, instructor, and employment supervisor jointly develop learning outcomes; instructor and employment supervisor jointly evaluate student.*
1-3cr; 1.25hr seminar plus 75hr per credit documented field experience (e.g., 1cr-75hr, 2cr-150hr, 3cr-225hr)

☙ Directed Study

(Alpha) 99v, 199v, 299v, 399v, 499v
Prereq: Consent.
See Special Curricula section.

☙ Drama (DRAM)

(DRAMA course alpha was changed to THEATRE. See THEA 101, 221, 222).

☙ Early Childhood Education (ECED)

G. Medina, J. Powers

105 Introduction to Early Childhood Education

Prereq: ENG 22 with grade C or better, or placement at least ENG 100, or consent.
Introduces and explores the nature of the field of early childhood education and care.
3cr; 45hr lec, TE 3.00

110 Developmentally Appropriate Practices

Introduces concepts of developmentally appropriate practice and the importance of play. Provides an overview of and experience with the knowledge and skills necessary for working with children birth through age eight, including children with special needs. 3cr; 45hr lec, TE 3.00

115 Health, Safety, and Nutrition for the Young Child

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces theories and practices for creating and maintaining a safe, healthy learning environment for young children and adults in group settings. Introduces guidelines and practices for providing for the nutritional needs of young children and adults in group settings.
3cr; 45hr lec, TE 3.00

131 Early Childhood Development: Theory into Practice

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces principles of human development from conception through age eight and how this informs practice. Focuses on the relationships between physical, cognitive, emotional and social aspects of the individual during this period.
3cr; 45hr lec, TE 3.00

140 Guiding Young Children in Group Settings

Pre-req: ENG 22 with grade C or better or placement in ENG 100 or consent.
Recommended: ECED 131.
Addresses positive ways to support children's social-emotional development. Focuses on adult-child and child-child interactions and relationships. *(No longer crosslisted as FAMR 140, effective Spring 2020.)* 3cr; 45hr lec, TE 3.00

170 Introduction to Working with Infants and Toddlers

Prereq: ENG 22 with grade C or better, or placement at least ENG 100, or consent.
Provides an overview of the basic skills needed for working with infants and toddlers and their families in group care settings. Focuses on interactive aspects of child development. Introduces infant-toddler caregiving routines and environments, and caregiver roles. 3cr; 45hr lec, TE 3.00

175B Introduction to Home Visiting

Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Explores child growth and development from birth to five with emphasis on establishing a partnership with families to encourage their involvement in enhancement of the child's self-esteem; self-discipline; intellectual development; and physical, social, and emotional competence. Introduces principles of adult learning and effective communication skills.
1cr; 15hr lec, TE 1.00

175C Home Visiting: Assessment & Recordkeeping

Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Introduces and explores assessment, record keeping, and case-management skills required for home visitor programs. Examines action plans based on identification of the child and adult needs and progress.
1cr; 15hr lec, TE 1.00

175D Home Visiting: Professionalism

Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Explores community resources, professional ethics, personal boundaries, confidentiality, and professional development for the home visitor to meet the needs of community agencies that employ home visitors.
1cr; 15hr lec, TE 1.00

193   Early Childhood Field Experience IA

Prereq: Permission of instructor; and ECED 110 and ECED 131, both with grade C or better, and ENG 22 or placement at ENG 100. Recommended: ECED 105.
Note: Students may be required to obtain a physical or doctor's note and to be fingerprinted, all at the student's expense.
Provides a supervised work experience in an early childhood education and care setting. Supports students in integrating content knowledge with practice. Designed for those who have little or no experience in early childhood programs. Students take ECED 193 or ECED 194 as their first field experience course. Students should consult with program coordinator to determine which course to take. *(Cannot be audited.) (Formerly ECED 190)*
4 cr, 8 hr field experience/2 hr seminar, TE 4.00. **(IN)**

194   Early Childhood Field Experience IB

Prereq: Permission of instructor; and ECED 110 and ECED 131, both with grade C or better; and ENG 22 with grade C or better or placement at ENG 100. Recommended: ECED 105.
Note: Students may be required to obtain a physical or doctor's note and to be fingerprinted all at the student's expense.
Provides a supervised work experience in an early childhood education and care setting. Supports students in integrating content knowledge with practice. Designed for those already working in an early childhood program. Students take 193 or 194 as their first field experience course. Students should consult with program coordinator to determine which course to take. *(Cannot be audited.)*
4cr; 15 hr field experience/1 hr discussion per week or 2 hrs discussion every other week.

245   Child, Family, and Community

Prereq: ENG 100 with grade C or better, or consent. Recommended preparation: ECED 105.
Develops communication skills and other strategies for building effective relationships with diverse families and relevant community members. Introduces students to the local resources available for family referral. *(No longer Crosslisted as FAMR 235, effective Spring 2020.)*
3cr; 45hr lec, TE 3 .00

263   Language and Creative Expression Curriculum

Prereq: ECED 110, ECED 131, and ENG 100, all with grade C or better, or consent.
Addresses creative and language disciplines, stages of development for each, and how these relate to appropriate early childhood curriculum. Includes designing curriculum for language, literacy, literature, and creative expression (art, music, & creative movement/dance) based on observation of children. *Students must have contact with preschool children in a formal setting for observation and implementation of course assignments.* 3cr; 45hr lec, TE 3 .00

264   Inquiry and Physical Curriculum

Prereq: ECED 110, ECED 131, and ENG 100, all with grade C or better, or consent.
Addresses physical development and inquiry disciplines, stages of development for each, and how these relate to appropriate early childhood curriculum. Includes designing curriculum for physical development, and inquiry (math, science, and social studies) based on observation of children. Introduces integrated curriculum based on science and social studies topics. *Students must have contact with preschool children in a formal setting for observation and implementation of course assignments.* 3cr; 45hr lec, TE 3.00

275   Inclusion of Children with Special Needs

Prereq: ECED 131 and ENG 100, both with grade C or better, or consent.
Introduces legal, historical, and research information about serving young children with special needs in inclusive environments. Introduces issues and practices associated with establishing partnerships with families and understanding collaborative relationships that contribute to meeting diverse needs of young children in inclusive settings. Facilitates development of skills to adapt and modify the learning environment in line with developmentally appropriate practice. Introduces traditional and alternative assessment and identifies skills necessary to facilitate successful transitions. 3cr; 45hr lec, TE 3.00

281B Early Childhood Program Admin: Licensing & Overview

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines licensing and its role; organizations; and roles and responsibilities of the early childhood program administrator. Looks at and evaluates present vision and mission statements, and gives tools to develop vision and mission statements.
1cr; 15hr lec *(scheduled in 5 weeks)*, TE 1.00

281C Early Childhood Program Admin: Staff Development

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines hiring, grievance, and firing policies of early childhood programs. Examines and lets student develop a staff development framework for their program.
1cr; 15hr lec *(scheduled in 5 weeks)*, TE 1.00

281D Early Childhood Program Admin: Curriculum and Environment

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines and analyzes early childhood curriculum and physical environments. Lets students develop plans to improve curriculum and physical environments of individual programs.
1cr; 15hr lec *(scheduled in 5 weeks)*, TE 1.00

282B Early Childhood Program Admin: Budgets & Financial Management

Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 82 with grade C or better or placement at least MATH 100, or consent.
Examines principles of profit and non-profit management, budgeting, and financial planning. Gives students tools to develop budgets and short- and long-term financial plans for early childhood programs.
1cr; 15hr lec *(scheduled 5wks)*, TE 1.00

282C Early Childhood Program Admin: Recordkeeping

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines and analyzes operating policies, recordkeeping practices, and staff and child evaluation procedures of early childhood programs.
1cr; 15hr lec *(scheduled 5wks)*, TE 1.00

282D Early Childhood Program Admin: Advocacy

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines the various ways an administrator can be an advocate for the profession. Looks at programs, accreditation, and understanding and utilizing decision-making processes at the county, state, and federal levels.
1cr; 15hr lec *(scheduled 5wks)*, TE 1.00

295 Early Childhood Field Experience II

Prereq: Permission of instructor; and ECED 105, ECED 140, ECED193 or 194, ECED 245, ECED 263 or 264 (or concurrent) and ENG 100, all with grade C or better. Recommended: ECED 115. Note: Students may be required to obtain a physical or doctor's note and to be fingerprinted, all at student's expense.
Provides a culminating supervised work experience in an early childhood education and care setting. Supports students in integrating content knowledge with practice. *(Cannot be audited.)*
 4 cr, 15 hour practicum/1 hr discussion per week or 2hrs discussion every other week.

⚘ Economics (ECON)

120 Introduction to Economics

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces the way economic systems operate. Contrasts the American economy with other systems. Studies the operation of business. Analyzes national policies in solving the economic problems of inflation, unemployment, and foreign trade. *One semester course for non-majors in economics.*
3cr; 45hr lec, TE 3.00 **(DS)**

130 Principles of Economics: Microeconomics*

Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 82 with grade C or better or placement at least MATH 103, or consent.
Analyzes the market mechanism, prices, competition, and the efficient allocation of scarce resources. Formulates possible solutions to contemporary economic and social issues such as world food problems, poverty and distribution of income, market power of business including multi-nationals, role of labor unions, energy crises, environmental pollution, consumerism, and welfare.
3cr; 45hr lec, TE 3.00 **(DS)**

131 Principles of Economics: Macroeconomics*

Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 82 with grade C or better or placement at least MATH 103, or consent.
Analyzes the forces determining national and international economic performance in such areas as employment, inflation, production, money supply, and trade. Presents, in historical context, the modern economic situation. Describes the relative roles of major economic institutions such as businesses, labor unions, government agencies, international organizations, and the banks. 3cr; 45hr lec, TE 3.00 **(DS)**

***Note: ECON 130 and 131 are both required for Economics majors and for admission to UH Mānoa College of Business Administration. ECON 120, 130, or 131 may be used to meet Social Science core requirements. UH Mānoa students cannot receive more than 6 credits for ECON 120, 130, and 131.*

150 Personal Finance

Prereq: ENG 19 with grade C or better or placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces financial planning, money management and tax planning. Includes financing real and personal property, purchasing insurance and managing investments. *(Crosslisted as BUS 150.)*
3cr; 45hr lec, TE 3.00 **(DS)**

⚓ Electrical Engineering (EE)

E. Dubuit

160   Programming for Engineers
Prereq: MATH 140 (or concurrent), or placement at least MATH 241, or consent.
Introduces computer programming and modern computing environments with an emphasis on algorithm and program design, implementation, and debugging. Designed for engineering students. This course includes a hands-on laboratory to develop and practice programming skills.
4cr; 45hr lecture, 45 hr lab TE 5.50 **(DP)**

211   Basic Circuit Analysis I
Prereq: MATH 243 and PHYS 272, both with grade C or better (or concurrent), or consent.
Covers the study of linear circuits, time domain analysis, transient and steady state response; phasors impedance, and admittance; network of system functions, frequency responses, and filtering; and resonance.
4cr; 45hr lecture, 45 hr lab TE 5.50 **(DP)**

⚓ Electricity (ELEC)

C. Rutherford

100   Survey of Electrical Math and Physics
Prereq: ENG 19 with grade C or better or placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Studies current, voltage, resistance, and Ohm's Law. Discusses magnetism, electrical safety and measurements, AC and DC circuits, induction, and capacitance as applicable to residential, commercial, appliance, and industrial wiring systems.
(Formerly ELEC 20)
3cr; 45hr lec, TE 3.00

110   Residential and Light Commercial Wiring
Prereq: ELEC 100, or consent.
Introduces electrical principles and National Electric Code (NEC) requirements for residential and light commercial building structures, equipment and appliances. Develops skills in practical applications.
(Formerly ELEC 23)
2cr; 60hr lec-lab, TE 2.50

⚓ Electronics (ETRO)

E. Dubuit, M. Hoffman, J. Park

105   Circuit Analysis I
Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 103 with grade C or better or placement at least MATH 119/135; or consent.
Develops step-by-step problem solving methods and hands-on laboratory applications. Utilizes electronics measurement instrumentation and software for data analysis. Studies fundamental topics including resistance, networks with DC voltage sources, and circuit analysis. Demonstrates Ohm's law, Kirchoff's laws, Thevenin's theorem, and maximum power theorems. 4cr; 120hr lec-lab, TE 6.67

106   Circuit Analysis II
Prereq: ETRO 105 with grade C or better, or consent.
Studies Ohm's law, Kirchoff's laws, Thevenin's theorem, and maximum power theorems as applied to AC circuits and waveforms. Reinforces troubleshooting and circuit analysis skills. Introduces magnitude and phase, rectangular and polar forms for sinusoids, impedance, and power vectors. Studies time domain and frequency domain solutions for capacitive and inductive circuits Demonstrates high pass, low pass, band pass, and band stop filter circuits. 4cr; 120hr lec-lab, TE 6.67

140   Fundamentals of Computer Networking
Prereq: ETRO 105 and MATH 119, both with grade C or better, or consent. Recommended: ICS 111 and MATH 115.
Introduces the OSI and TCP/IP models for network communication, discusses industry standards, commonly used network topologies, IPv4 and IPv6 addressing, routing and switching concepts, ACLs, DHCP, NAT; queuing models, network architecture design and troubleshooting, Introduces wireless networking and Virtual-LANs. Prepares students for the Cisco Certified Entry Networking Technician (CCENT) exam. 4cr; 120hr lec-lab, TE 6.67

161   Intro Optics & Photonics
Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 103 with grade C or better or placement at least MATH 119/135, or consent.
Introduces the physics of light, geometric optics, lenses, and mirrors. Studies interference, diffraction, and polarization phenomena. Applies theory to laser physics, optical imaging, and bio-photonics. Provides lab experiments and projects to reinforce the theory. 3cr; 90hr lec-lab, TE 5.00

193v   Internship I
Prereq: ETRO 105 with grade C or better, or consent.
Introduces the student to the work place, the student's major interest area, and the availability of job stations. Upgrades opportunities for specific skills dependent upon the job station. Requires a work-related project during which the student will demonstrate competency in acquired employability skills. *Note: Student, instructor, and employment supervisor jointly develop learning outcomes. Instructor and employment supervisor jointly evaluate student. (May be repeated for a maximum of 3 credits.)* 1-3cr; 75hrs/cr

201   Digital Computer Technology I
Prereq: ETRO 105 with grade C or better, or consent.
Introduces digital computer technology. Studies binary and hex number systems and codes, Boolean algebra, logic circuits, and data circuits including flip-flops. Designs, analyzes, builds, models, and troubleshoots digital circuits. Characterizes counter circuit input and output waveforms. Utilizes LED display circuits, phototransistors, transistors, and operational amplifiers.
4cr; 120hr lec-lab, TE 6.67

205   Digital Computer Technology II
Prereq: ETRO 201 and MATH 119 or 135 (or higher), both with grade C or better; or consent.
Introduces microprocessor technology. Studies microprocessor architecture and programming. Investigates addressing modes, stack operations, subroutines, input and output operations, microcomputer subsystems and interfacing. Designs, builds, analyzes, and troubleshoots oscillators, counter circuits, decoders, display drivers, digital to analog and analog to digital convertors. Programs INTEL microprocessors using emulators and embedded systems. Calibrates and characterizes digital systems and specifications.
4cr; 120hr lec-lab, TE 6.67

210   Electronic Technology I
Prereq: ETRO 105 and MATH 119 or 135 (or higher), both with grade C or better; or consent.
Investigates amplifiers including audio, radio, and infrared sensing applications. Introduces topics including basic theory and operations of solid-state devices. Applies to diodes, bipolar transistors, field effect transistors, and Zener diodes. Studies electronic circuits performing rectifying and amplification.
3cr; 90hr lec-lab, TE 5.00

212   Electronic Technology II

Prereq: ETRO 210 with grade C or better, or consent.

Presents concepts of electronic devices and circuits including modeling of semiconductor devices, analysis and design of transistor biasing circuits and linear amplifiers. Applies to the design of amplifiers, cascade amplifiers, power amps, operational amplifiers, IC oscillators, and timing circuits. Offers an introduction to Printing Circuit Board Design tools using LPKF.
3cr; 90hr lec-lab, TE 5.00

240   Computer Networking II

Prereq: ETRO 140 with grade C or better, or consent.

Develops intermediate level computer networking skills. Introduces Ethernet switching and intermediate routing skills including variable length subnet masking, routing protocols, and WAN technologies topics. Designs, builds, and troubleshoots local area networks. *Prepares students for the Cisco Certified Networking Associate (CCNA) certificate examination.*
4cr; 120hr lec-lab, TE 6.67

293v   Internship II

Prereq: ETRO 193v with grade C or better, or consent.

Reinforces workplace skills and protocols. Develops abilities to work independently and cooperatively as part of a team. Develops project goals and milestones. Utilizes project management techniques and software. Demonstrates technical oral and written communication. (*May be repeated for a maximum of 6 credits.*) 1-3cr; 75hr/cr

296   Special Projects in ECET

Prereq: ETRO 140, ETRO 201, and MATH 119 or 135 (or higher), all with grade C or better; or consent.

Develops special topics in electronic and digital computer technology. Creates, designs, and builds an electronics and computer engineering technology capstone student project. Investigates required schematics, components, and devices for the project. Includes programming, testing, troubleshooting, and characterization. Demonstrates, explains, and presents project goals, milestones, and results.
3cr; 90hr lec-lab, TE 5.00

305   Engineering Computing

Prereq: ETRO 212 and ICS 111, both with grade C or better, or consent.
Coreq: ETRO 310.

Studies computer programming to solve electronics and optical system problems. Uses software programming applications, technical databases, image processing, and other scientific and engineering software tools. Reinforces mathematical concepts useful in the study of engineering technology. Utilizes the capabilities of software such as MATLAB and its applications to visualize solutions to technical and engineering problems. Includes hands-on engineering computing examples to demonstrate programming skills.
4cr; 45hr lec, 45hr lab, TE 5.00

310   Applied Robotics

Prereq: ETRO 212 and ICS 111, both with grade C or better, or consent.
Coreq: ETRO 305.

Introduces robotics programming and includes robotic applications for multifunction part manipulation and motion with stepper and servo-motors. Studies topics related to robotic design including robotic vision, motion planning, sensing and sensors, actuators, navigation systems, mobility, and forward and inverse kinematics. Provides laboratory hands-on applications of concepts and theories.
3cr; 30hr lec, 45hr lab, TE 4.17

315   Project Management

Prereq: ETRO 305 with grade C or better, or consent.

Emphasizes organization, project requirements, risk mitigation, planning, problem solving, implementation, comparisons, and budgeting. Overviews effective methods for interfacing individual outputs within larger projects. Utilizes project management software tools. Applies laboratory practices in the context of typical workplaces as related to engineering technology. Develops a career plan within potential project types, structures and funding opportunities in the Hawai`i workforce. *Supports specific applications to the Capstone project.* 3cr; 30hr lec, 45hr lab, TE 4.17

320   Intermediate Optics

Prereq: ETRO 161 and PHYS 219, both with grade C or better, or consent.

Investigates fundamentals of geometrical and physical optics useful in the study of modern optical systems. Focuses on geometric and ray optics and introduces one-dimensional wave optics to describe and demonstrate the mechanisms and properties involved in optical systems. Exposes students to phenomena related to the field of optics, and offers examples of modern optical engineering. Prepares students at the intermediate level for understanding field of optics.
4cr; 45hr lec, 45hr lab, TE 5.00

340   System Integration

Prereq: ETRO 140 and ICS 111, both with grade C or better; or ICS 352 with grade C or better; or consent.

Provides hands-on experience with integrating information technologies (i.e., database, Web, computing, and visualization services) into systems that support scientific and engineering applications.
4cr; 45hr lec, 45hr lab, TE 5.00

350   Power Systems

Prereq: ETRO 212 with grade C or better, or consent.

Studies the basic principles of electromechanical energy conversion: single and three-phase circuits, transformers, three-phase induction and synchronous machine, DC machine, AC including magnetic circuits, and poly-phase circuits. Demonstrates energy management systems and efficiency concepts from engineering technology. Studies power generation and transmission system. Utilizes computer programming and modeling. Includes laboratory exercises and inquiries.
3cr; 30hr lec, 45hr lab, TE 4.17

360   Signals and Systems

Prereq: ETRO 305 and MATH 205 -> 241, both with grade C or better, or consent.
Studies signal and system classifications, operations on signals, time-domain analysis, impulse response, and stability. Introduces frequency-domain response using Fourier series, Fourier transform, and Laplace transform; discrete Fourier series and transform; and sampling. Develops the analytical tools and techniques needed for the design and analysis of discrete-time and continuous-time linear systems. Provides laboratory hands-on applications of concepts and theories.
4cr; 45hr lec, 45hr lab, TE 5.00

450 Signal Processing

Prereq: ETRO 360 with grade C or better, or consent.

Introduces digital signal processing, discrete-time signals and systems, z-transform, linear shift-invariant systems, discrete Fourier transform (DFT) and fast Fourier transform (FFT) algorithms, and design of digital filters. Provides laboratory hands-on applications of concepts and theories.

4cr; 45hr lec, 45hr lab, TE 5.00

455 Remote Sensing

Prereq: ETRO 450 with grade C or better, or consent.

Applies radiometric and photometric measurement concepts: propagation, irradiance, radiance, radiant intensity, luminance, radiant exitance. Calibrates and characterizes remote sensing data and data analysis techniques. Covers the interaction between electromagnetic radiation and matter. Investigates the effects of the atmosphere on light propagation and remote sensing experiments. Includes laboratory exercises and inquiries to build teamwork, presentation skills, and practical experiences of the technical workplace. Utilizes technologies and analysis techniques relevant to the Hawai`i high-tech industry. *(Formerly ETRO 440.)*

4cr; 45hr lec, 45hr lab, TE 5.00

460 Control Systems

Prereq: ETRO 450 with grade C or better, or consent.

Focuses on the modeling of dynamic systems and circuits, dynamic response, basic properties of feedback, PID control, root-locus, and frequency response. Introduces state-space modeling and design method. Studies phenomena related to the field of control systems. Offers practical examples of modern electro-mechanical control systems. Provides laboratory hands-on applications of concepts and theories.

3cr; 90hr lec-lab, TE 5.00

470 Introduction to Communication Systems

Prereq: ETRO 450 with grade C or better, or consent.

Introduces the fundamentals of electronic communication systems. Topics include the frequency spectrum, electrical noise, modulation techniques (AM, FM, PM), characteristics of transmitters and receivers, and digital communications. *(Letter grade only.)*

3cr; 30hr lec, 45hr lab, TE 4.17

497 Capstone Project I

Prereq: ETRO 315 with grade C or better, or consent.

Utilizes and demonstrates the tools, skills, and understanding developed during the engineering technology program. Focuses on planning and development of an engineering project which includes project documentation, formal project report writing, oral defense of the project, and project demonstration. Includes analyzing, designing, prototyping, synthesizing, troubleshooting, and testing a device, subsystem, or complete system to create a useful product or service.

3cr; 45hr lec, TE 3.00

498 Capstone Project II

Prereq: ETRO 497 with grade C or better, or consent.

Continues Capstone Project I, leading to completion of the project. Includes review of project definition and refining project plans. Continues development, testing, and evaluation. Requires a written formal report and oral presentation of the project.

3cr; 45hr lec, TE 3.00

🌿 Energy (ENRG)

C. Rutherford

101 Introduction to Sustainable Technology

Prereq: ENG 19 with grade C or better or placement at least ENG 22, and MATH 75X or placement at least MATH 82, or consent. Recommended: ICS 101 or BUSN 150, and placement at ENG 100.

Introduces alternative methods for meeting long term energy needs, identifies and explores local resources including demand-side management of conventional gas and electric power and sustainable energy resources such as solar, wind, biomass, small hydroelectricity, geothermal, ocean thermal energy conversion, and alternative transportation fuel options.

3cr; 45hr lec, TE 3.00

103 Energy Production Systems

Prereq: ENRG 101 (or concurrent), or consent. Recommended: ENG 100.

Introduces theoretical concepts and practical applications of sustainable energy systems. Develops knowledge of photovoltaic, thermal, wind, hydro, ocean thermal, fossil, ocean wave, and absorption systems, with emphasis on solutions for residential and commercial applications in Hawai'i.

3cr; 45hr lec, TE 3.00

193v Internship in Sustainable Technology

Prereq or coreq: ENRG 101, 102, 103, 104, or 105, and consent. Recommended: ENG 100, and ICS 101 or BUSN 150.

Introduces student to the workplace on a job within the student's area of interest and preparation. Student and instructor jointly develop learning outcomes, and the instructor and the employment supervisor jointly perform evaluation. *(May be repeated for a maximum of 8 credits.)*

1-4cr; 75hr/cr supervised work

🌿 English (ENG)

A. Andaluz, E. Engh, T. Marmack, D. Snyder, N. Stotts, E. White

10 Reading & Writing Fundamentals

Prereq: Placement for English language fundamentals, or consent.

Develops fundamental writing, reading, and study skills. *(A-F, N, W grades only.)*

3cr; 45hr lec, TE 3.00

19 Writing Essentials

Prereq: ENG 10, or placement at ENG 19, or consent.

Develops essential writing skills for college and the workplace. Students engage in writing as a process, applying basic rhetorical strategies to produce focused, well-supported paragraphs and other short compositions that meet the needs of specific audiences and purposes. Students study the grammar and mechanics of Standard English, applying knowledge to recognize and correct errors in their writing. Students also practice effective reading strategies, developing skill in summarizing ideas from courses. *(A-F, N, W grades only.)* 3cr; 45hr lec, TE 3.00

21 Intro to College Reading

Prereq: ENG 19 with grade C or better, or placement at ENG 21, or consent.

Develops college-level reading skills, improving reading speed, comprehension, and retention of information in written texts. Students build college-level vocabulary and learn to distinguish between main ideas and supporting details and examples. Students practice drawing inferences through critical analysis of written materials and demonstrate understanding of reading material through writing accurate summaries and paraphrases. *(A-F, N, W grades only.)*

3cr; 45hr lec, TE 3.00

22   Intro to Composition

Prereq: ENG 19 with grade C or better, or placement at ENG 22, or consent.
Develops college-level writing skills, Students engage in a writing process that includes generating ideas, organizing ideas, drafting, revising, and editing for sentence-level errors. Students employ varied rhetorical strategies to produce short compositions that effectively develop a main point while appealing to an appropriate audience and purpose. Students also learn and practice basic academic conventions for incorporating information from sources into their writing. *(A-F, N, W grades only.)* 3cr; 45hr lec, TE 3.00

98   Composition I Supplement

Prereq: ENG 19 with grade C or better, or placement at ENG 22, or consent. Coreq: ENG 100. Recommended: ENG 19 with grade A, or completion of high school English composition course with grade C or better.
Provides supplemental instruction in the writing process, rhetorical principles, critical reading, and research to support achievement of ENG 100 learning outcomes. *(A-F, N, W grades only.)*
1cr; 15hr lec, TE 1.00

100   Composition I

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Discovers and applies the concepts of purpose, audience, and tone in writing. Emphasizes evaluating written texts and writing various types of essays, including writing from sources. Focuses on critical thinking. 3cr; 45hr lec, TE 3.00 **(FW)**

102   College Reading Skills

Prereq: ENG 21 with grade C or better, or placement at ENG 100 or 102, or consent.
Studies and practices strategies to improve college-level reading and study skills. *Intended for students who are reading at or above their grade level and who wish to improve skills of comprehension and critical thinking.* 3cr; 45hr lec, TE 3.00

104   Introduction to Creative Writing

Prereq: ENG 100 with grade C or better, or consent.
Explores the principles and practice of creative writing through readings and composition in several major genres.
3cr; 45hr lec, TE 3.00 **(DA)**

106   Report Writing

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Practices organization of factual material and objective writing for the purpose of writing reports and technical articles. Develops ability to write clearly, accurately, and concisely. Reviews basic grammar. Improves technical vocabulary usage.
3cr; 45hr lec, TE 3.00

204A   Fiction Writing

Prereq: ENG 104 with grade of C or better, or consent.
Studies and practices creative strategies to produce and revise works of fiction.
3 cr; 45 hr lec, TE 3.00 (DA)

204B   Poetry Writing

Prereq: ENG 104 with grade of C or better, or consent.
Studies and practices creative strategies to produce and revise works of poetry.
3 cr; 45 hr lec, TE 3.00 (DA)

204C   Screenwriting

Prereq: ENG 104 or CM 115, either with grade C or better, or consent.
Studies and practices creative strategies to develop and write screenplays and related writing. 3 cr; 45 hr lec, TE 3.00 (DA)

209   Business & Managerial Writing

Prereq: ENG 100 with grade C or better, or consent.
Focuses on the skills needed for effective business and managerial written communication. Studies and practices strategies for effective business writing, including a formal report requiring research documentation. 3cr; 45hr lec, TE 3.00

210   Research Writing

Prereq: ENG 100 with grade C or better, or consent.
Studies and practices strategies for finding, evaluating, and integrating researched information to support complex theses in academic essays. 3cr; 45hr lec, TE 3.00

225   Writing for Science and Technology

Prereq: ENG 100 with grade C or better, or consent. Recommended: Successful completion of a science laboratory course.
Develops and applies skills in scientific writing to produce reports on experimentation and research. Analyzes various forms of writing required in scientific and technical careers. 3cr; 45hr lec, TE 3.00

250   American Literature

Prereq: ENG 100 with grade C or better, or consent.
Studies major works of American fiction, non-fiction, drama, and poetry.
3cr; 45hr lec, TE 3.00 **(DL)**

Note: The courses ENG 251-256 and ENG 257EFR satisfy the 6-credit requirement for sophomore literature at the University of Hawaiʻi, a prerequisite for upper division English courses.

251   Major Works of British Literature to 1800

Prereq: ENG 100 with grade C or better, or consent.
Studies major works of British fiction, non-fiction, poetry, and drama from the Middle Ages to 1800. 3cr; 45hr lec, TE 3.00 **(DL)**

252 Major Works of British Literature after 1800

Prereq: ENG 100 with grade C or better, or consent. Studies major works of British fiction, nonfiction, drama, and poetry from 1800 to the present. 3cr; 45hr lec, TE 3.00 **(DL)**

254 World Literature (Western)

Prereq: ENG 100 with grade C or better, or consent. Studies and analyzes literary works of Western cultures from ancient times to present. 3cr; 45hr lec, TE 3.00 **(DL)**

255 Types of Literature

Prereq: ENG 100 with grade C or better, or consent. Studies, analyzes, and critiques major European and American short stories and novels. 3cr; 45hr lec, TE 3.00 **(DL)**

257 Themes in Literature: Special Topics

Prereq: ENG 100 with grade C or better, or consent. Studies and analyzes universal problems in selected literary works of various types, cultures, and periods. Presents topics, which will vary with student interest and availability of faculty. 3cr; 45hr lec, TE 3.00 **(DL)**

257E Themes in Literature: Literature of Hawai'i

Prereq: ENG 100 with grade C or better, or consent. Focuses on selected poems, legends, biographies, short stories, and novels by people of present-day Hawaiian, Polynesian, American, European, and Oriental heritage, drawn from ancient, transitional, and modern Hawaiian literature. Studies and analyzes universal problems in selected literary works. 3cr; 45hr lec, TE 3.00 **(HI, DL)**

316 Advanced Research Writing

Prereq: ENG 209 or 210 or 225, any with grade of C or better; or consent.
Recommended: ENG 210 or 225 preferred. Provides advanced knowledge in planning, developing, organizing, and editing writing projects with clarity and precision. Emphasizes critical thinking skills; social, ethical, and political argument; and the ability to write a variety of work, including research projects in specific fields of study, using appropriate documentation styles. 3cr; 45hr lec, TE 3.00 **(DL)**

✣ Facilities Management (FMGT)

C. Rutherford

100 Introduction to Building Maintenance and Construction

Introduces tools, materials, and safety for building maintenance and construction trades. Explores fundamentals of building systems and operations of the maintenance department. *(Formerly MAIN 20)* 2cr; 60hr lec-lab, TE 2.50

120 Introduction to Project Management

Prereq: ENG 100 with grade C or better, and MATH 75X with grade C or better or placement at least MATH 100, or consent. Introduces concepts and principles for the planning and management of major facility operations, renovation, and construction projects. Develops project management skills and explores best practices for planning and implementation processes to include: stakeholder engagement, budget and risk assessment and controls, scheduling, resource allocation and acquisition, and project closing. 3cr; 45hr lec, TE 3.00

200 Mechanical Systems Design and Construction

Prereq: ENG 100 with grade C or better, and MATH 75X with grade C or better or placement at least MATH 100, or consent. Explores commercial building mechanical and environmental systems and their relationship to occupant comfort and satisfaction. Focuses on building systems operation, diagnostics, and optimization of comfort and convenience features to manage and reduce energy consumption. 3cr; 45hr lec, TE 3.00

201 Facilities Operations and Leadership

Prereq: FMGT 120, or consent. Examines the key principles of management in the facilities engineering industry. Focuses on leadership skill building and decision-making processes within the managerial levels of a commercial facility. Explores management concepts, strategies, and tools essential for organizational effectiveness. 2cr; 30hr lec, TE 2.00

✣ Fashion Technology (FT)

C. Maeda

25 Ready-to-Wear Clothing Production

Explores efficient and economical techniques in fabric layout, cutting, and sewing. Offers practice in aloha shirt and blouse construction. 3cr; 30hr lec, 45hr lab, TE 3.13

40 Fabric Analysis

Analyzes the latest fabrics on the market. Explores how fiber content, fabric development, and color application affect fabric care. 3cr; 45hr lec, TE 3.00

90v, 190v, 290v

(May be repeated without limit for credit.)

Topic: Advanced Fashion Illustration

Prereq: FT 216, or consent. Studies advanced illustration techniques for drawing the fashion figure. Stresses development of each student's individual style of fashion illustration. 3cr; 45hr lec, TE 3.00

Topic: Sewing Activewear

Prereq: FT 113 and FT 115, or consent. Provides specialized training in the design and construction techniques used in the development of active sportswear. Stresses ready-to-wear production techniques. 3cr; 30hr lec, 45 hr lab, TE 3.13

Topic: Home Furnishings

Prereq: FT 25, or consent. Provides specialized training in design, measurement and construction techniques used in the production of draperies, pillows, table linens, bed linens, slipcovers, and other home furnishings. 3cr; 30hr lec, 45hr lab, TE 3.13

Topic: Draping

Prereq: FT 215, or consent. Introduces the fundamentals of draping on the standard dress form. Practices interpretation of design details through draping. 3cr; 30hr lec, 45 hr lab, TE 3.13

111 Art and Design in Fashion

Surveys fashion as it relates to art and design. Line, color, balance, and proportion are studied providing guidelines to understanding fashion and how it communicates personal image to society. 3cr; 45hr lec, TE 3.00

113 Clothing Construction Methods I

Introduces sewing tools and equipment. Treats selection and adjustment of basic commercial patterns and construction of clothes from these patterns to fit figures. 3cr; 30hr lec, 45hr lab, TE 3.13

115 Clothing Construction Methods II

Prereq or coreq: FT 113, or consent.
Explores custom sewing techniques using various kinds of fabrics. Emphasizes accuracy and neatness in pattern alteration and garment construction.
3cr; 30hr lec, 45hr lab, TE 3.13

125 Fashion Show Production

Provides basic information and practical experience in the preparation and production of a fashion show. (*May be repeated for a maximum of 9 credits.*).
1cr; 30hr lec-lab, TE 1.25

215 Flat Pattern Making I

Prereq: FT 113, or consent. Coreq: FT 217.
Introduces principles of pattern making for women's apparel through the manipulation of basic slopers. Covers the development of bodices, skirts, sleeves, and collars.
3cr; 30hr lec, 45hr lab, TE 3.13

216 Fashion Design & Sketching

Prereq: FT 111, or consent.
Introduces basic techniques for drawing fashion figures. Treats use of pen and ink, and water colors. Explains sketching the design. 3cr; 45hr lec, TE 3.00

217 Flat Pattern Making II

Prereq: FT 113, or consent. Coreq: FT 215.
Explores garment development using the flat pattern method. 3cr; 30hr lec, 45hr lab, TE 3.13 **(HE)**

❦ Filipino (FIL)

101 Beginning Filipino I

Introduces speaking, listening, reading, and writing skills of basic Tagalog. Includes basic structures of Tagalog, language commonly used in daily situations, and different aspects of Philippine cultures. 4cr; 60hr lec, TE 4.00 **(HSL)**

102 Beginning Filipino II

Prereq: FIL 101, or consent.
Continues FIL 101. Includes speaking, listening, reading, and writing skills of basic Tagalog. 4cr; 60hr lec, TE 4.00 **(HSL)**

261 Philippine Literature

Prereq: ENG 100 with grade C or better, or consent.
Surveys Philippine/Filipino literature from the early period to contemporary times. It will introduce canonical works and authors as well as major literary forms of the period. Selected literary pieces in English and in English translation are studied.
3cr; 45hr lec, TE 3.00 **(DL)**

❦ Finance (FIN)

G. Logan

311 Investments

Prereq: BUS 310 and 318 both with grade C or better, or consent.
Introduces various investment media and capital markets. Topics include the analysis of security returns using techniques such as beta, filter rules, and portfolio theory.
3cr; 45hr lec, TE 3.00

❦ Food Science & Human Nutrition (FSHN)

185 Food Science and Human Nutrition

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Integrates natural science concepts basic to the study of human nutrition. Emphasizes nutrient requirements of healthy individuals, nutrient categories and characteristics, physiological functions, and food sources. Includes review and adaptation of dietary practices to reflect current nutritional issues. 3cr; 45hr lec, TE 3.00 **(DB)**

285 The Science of Human Nutrition

Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Provides an overview of the principles of nutritional science. Includes descriptions and functions of nutrients, digestion and absorption, effects of deficiencies and toxicities, requirements throughout the life cycle, food sources, nutrient interactions, dietary assessment, cultural sensitivity, sports nutrition, eating disorders, global health issues, drug interactions, and nutrition as it pertains to dental health. Required for UHMC Dental Hygiene program. 3cr; 45hr lec, TE 3.00 **(DB)**

❦ Geographic Information Systems (GIS)

T. Botkin

150 Introduction to GIS/GPS

Prereq: ICS 101 or BUSN 150, either with grade C or better, or consent. Recommended: Familiarity with computer databases.
Introduces applications of geographic information systems (GIS) with a special emphasis on using ArcView GIS. Includes database construction and techniques for spatial data manipulation, analysis, and display. Teaches use of global positioning system (GPS). Explores cross-disciplinary applications in the natural and social sciences. *(Crosslisted as ICS 150.)* 4cr; 60hr lec, TE 4.00

180 GIS in Ecosystem Management

Prereq: GIS/ICS 150 with grade C or better, or consent.
Uses global positioning system (GPS) technologies and advanced geographic information system (GIS) principles for data collection and analysis. Applies GIS techniques to develop geodatabases and computer-generated map layers for specific sites. Evaluates resource management decisions for natural ecosystem conservation and habitat restoration projects. 4cr; 60hr lec, TE 4.00

ꕥ Geography (GEOG)

101   The Natural Environment
Surveys the natural environment: weather, climate, soil, vegetation, and landforms, with emphasis on Hawai'i. *Lab optional.*
3cr; 45hr lec, TE 3.00 **(DP)**

101L The Natural Environment Laboratory
Prereq: GEOG 101 (or concurrent), or consent.
Introduces the geographer's tools: globes, atlases, maps, and aerial photographs. Uses laboratory investigation techniques to understand concepts of physical geography. Special emphasis on Hawai'i and on human modification of the environment.
1cr; 45hr lab, TE 2.50 **(DY)**

102   World Regional Geography
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Surveys the world's major cultural regions. Explores economic, environmental, social, and political conditions from a geographical perspective.
3cr; 45hr lec, TE 3.00 **(FGB)**

ꕥ Geology & Geophysics (GG)

101   Introduction to Geology
Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Presents principles of physical geology including the composition and structure of the earth, its evolution over geologic time, and processes shaping the earth's crust including continental drift, volcanism, earthquakes, and erosion.
3cr; 45hr lec, TE 3.00 **(DP)**

101L Introduction to Geology Lab
Prereq: GG 101 or GG 103 (or concurrent); ENG 22 with grade C or better or placement at ENG 100, and at least MATH 75X with grade C or better or placement at least MATH 82, or consent.
Laboratory to accompany GG101 or GG103.
1cr; 45hr lab, TE 2.50 **(DY)**

103   Geology of Hawaiian Islands
Surveys Hawaiian geology and geologic processes. Includes origin of the Hawaiian Islands, volcanism, rocks and minerals, landforms, stream and coastal processes, landslides, earthquakes and tsunamis, groundwater, and geologic and environmental hazards.
3cr; 45hr lec, TE 3.00 **(HI, DP)**

ꕥ Hawaiian (HAW)
K. Ka'eo

101   Elementary Hawaiian I
Introduces speaking, reading, and writing elementary Hawaiian. Treats structural points inductively. *Devotes four out of five hours to drill and practice. Daily lab work determined by individual need.*
4cr; 45hr lec, 30hr lec-lab, TE 4.17 **(HI)**

102   Elementary Hawaiian II
Prereq: HAW 101, or consent.
Continues HAW 101 instruction to write, speak, and read Hawaiian. *Devotes four out of five hours to drill and practice. Daily lab work determined by individual need.*
4cr; 45hr lec, 30hr lec-lab, TE 4.17 **(HI)**

104   Hawai'i: Language Through Hula
Introduces conversational Hawaiian language through the medium of dance (hula) and song. Requires study, memorization, and close examination of Hawaiian vocabulary and simple sentence structure.
3cr; 45hr lec, TE 3.00 **(HI, DA)**

201   Intermediate Hawaiian I
Prereq: HAW 102, or consent.
Continues HAW 102. Uses advanced Hawaiian grammatical structure with emphasis placed on speaking Hawaiian. Practices translation of materials from classical Hawaiian literature. *Devotes two out of five hours to drill and practice. Daily lab work determined by individual need.*
4cr; 45hr lec, 30hr lec-lab, TE 4.17 **(HI)**

202   Intermediate Hawaiian II
Prereq: HAW 201, or consent.
Introduces further advanced Hawaiian grammatical structures with emphasis placed on speaking Hawaiian. Drills translating materials from classical Hawaiian literature. *Devotes two of five hours to drill and practice. Daily lab work determined by individual needs.*
4cr; 45hr lec, 30hr lec-lab, TE 4.17 **(HI)**

221   Hawaiian Conversation
Prereq: HAW 202, or consent.
Practices systematic control of spoken Hawaiian. Further develops vocabulary for accurate, mature expression.
3cr; 45hr lec, TE 3.00 **(HI)**

261   Hawaiian Literature in Translation
Prereq: ENG 100 with grade C or better, or consent.
Surveys Hawaiian literature, including prose narration and poetry with reference to Polynesian and world themes and forms from pre-contact to discovery. Introduces a full range of Hawaiian stories, chants, poems, songs, and sayings which have been translated into English.
3cr; 45hr lec, TE 3.00 **(HI, DL)**

ꕥ Hawaiian Studies (HWST)
K. Ka'eo

100B Intro to Hawaiian Culture: Communication-Basic Language and Phrases
Develops correct pronunciation and usage of basic Hawaiian language and phrases.
1cr; 15hr lec, TE 1.00 **(HI, DH)**

100C Intro to Hawaiian Culture: Worldwide-Values, Folklore, and Cultural Practices
Provides an orientation to traditional and contemporary Hawaiian practices and values. 1cr; 15hr lec, TE 1.00 **(HI, DH)**

100D Intro to Hawaiian Culture: Landscape-Historical Events, Physical Features, and Unique Flora & Fauna of Maui and Hawai'i
Explains important historical events of Maui and Hawai'i and identifies their unique flora and fauna, physical features, and scenes. 1cr; 15hr lec, TE 1.00 **(HI, DH)**

107 Hawai'i: Center of the Pacific

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces the unique aspects of Hawai'i and Hawaiian culture in relation to the larger Pacific, including geography, origins, language, religion, land, art, and history.
3cr; 45hr lec, TE 3.00 **(HI, DH)**

111 The Hawaiian 'Ohana

Prereq: HWST 107 with grade C or better, or consent.
Examines culture of Hawaiian people as expressed in home and family. Provides understanding of the family as the basis of larger Hawaiian society. Compares and contrasts both ancient and modern aspects of the Hawaiian family. Uses Hawaiian terminology.
3cr; 45hr lec, TE 3.00 **(HI, DH)**

132 Hula 'Ōlapa (Foundational Hawaiian Dance)

Prereq: HAW104 with grade C or better, or instructor consent.
Studies foundational hula and chant from pre-contact, post-contact, Monarchy era and contemporary Hawai'i. Students will be introduced to hula instruments, costuming and adornments, the kuahu hula and beginning choreography.
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(HI, DH)**

176 History and Development of Hawaiian Music

Prereq: HAW 101 and HWST 107, both with a grade C or better, or consent.
Focuses on the history and development of traditional and acculturated vocal and instrumental Hawaiian music. Discusses Hawaiian dance genres related to the music. Examines Hawaiian music and dance as an organization of sound and movement and as a product of culture and people. Uses sound recordings, video presentations, and live performances of the various music genres discussed. *(Crosslisted as MUS 176.)*
3cr; 45hr lec, TE 3.00 **(HI, DH)**

205 Hawaiian Music in Action

   A Mele 'Āina
   E Mele Pili Kanaka
   I Other

Prereq: HAW 102, or consent.
Teaches Hawaiian songs as a means of strengthening knowledge of language, poetry, and culture. Conducted primarily in Hawaiian. *(May be repeated for credit if subletters are different.)* 2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(HI, DA)**

207 Malama Ahupua'a: Resource Management

Prereq: HWST 107 with grade C or better, or consent.
Examines the ahupua'a system: its mythologies, place names, history, poetry, and early documents of the Hawaiian nation as it was conceptualized by the ancient Hawaiians. Explores the relevance of the ahupua'a system in modern society.
3cr; 45hr lec, TE 3.00 **(DH, HI)**

211 Hawaiian Ethnobotany

Identifies endemic, indigenous, and Polynesian introduced flora of Hawai'i. Examines the many uses of Hawai'i's flora by the indigenous people. Reveals the relationship of gods/plants/man, and connects belief and practices with the intentional migration of specific plants. *(Crosslisted as BOT 105). Meets Social Science requirement, not Natural Science requirement.* 3cr; 45hr lec, TE 3.00 **(HI, DS)**

211L Hawaiian Ethnobotany Lab

Prereq: HWST 211 or BOT 105, either with a C or better (or concurrent).
Studies the interactions between the Hawaiian culture and plants/plant environments. Considers different levels and types of interactions and patterns of interactions between people and plants. Places emphasis on the importance of cultural upbringing. Includes field trips in lieu of lab. *(Crosslisted as BOT 105L.)*
1cr; 45hr lab, TE 2.50 **(DY)**

213 Hawaiian Ethnozoology

Prereq: HAW 101, or consent.
Surveys and identifies Hawaiian fishes, birds, and other creatures, and their place in Hawaiian culture. Explores traditional methods of capture, practical uses, and conservation techniques. Uses Hawaiian terminology.
3cr; 45hr lec, TE 3.00 **(HI, DH)**

222 Ma' awe: Hawaiian Fiber Arts

Prereq: HWST 211 or BOT 105, either with grade B or better, or consent.
Examines Hawaiian cultural fiber arts. Develops advanced fiber arts projects of Hawaiian cultural significance or ceremonial use. Practices proper protocols used in the procurement of materials needed to complete various fiber arts projects. Explores related protocol and methods for gathering, Native Hawaiian gathering rights, and the type of environments in which specific materials grow and can be gathered. *(May be repeated for unlimited credit.)*
3cr; 45hr lec, TE 3.00 **(HI, DA)**

231 Native Perspectives on Hawaiian Culture

Prereq: HWST 101, or HWST 100BCD, or HWST 107, any with grade C or better, or consent.
Explores Native Hawaiian culture from traditional times to present. Examines values, social relationships, religion, traditional practices and arts. 3cr; 45hr lec, TE 3.00 **(HI, DH)**

262 Pana Maui: Maui's Sacred Hawaiian Places

Prereq: HWST 107 or 111 or 270; and HAW 102; or consent.
Examines the sacred Hawaiian places of Maui, including accounts of mythical heroes, heiau, fishponds, wind and rain names, and their metaphoric value to ancient and modern Hawaiian culture. Uses Hawaiian terminology.
3cr; 45hr lec, TE 3.00 **(HI, DH)**

270 Hawaiian Mythology

Prereq: HWST 107 or HAW 102, or consent.
Surveys the gods, 'aumākua, kūpua, mythical heroes, heroines, and their kinolau as the basis of traditional Hawaiian metaphor.
3cr; 45hr lec, TE 3.00 **(HI, DH)**

286 Kahoolawe: Aloha 'Āina

Prereq: HWST 107 or 231, either with grade C or better, or consent
Develops and expands students' consciousness towards Kaho'olawe and the practice of Aloha 'Āina. Employs a native Hawaiian worldview in studying the cultural history of Kaho'olawe. Provides hands-on opportunities to practice Aloha 'Āina. Empowers students to become stewards and participate in the protection, restoration, and revitalization of Hawai'i Nei. Requires access and volunteer work on Kaho'olawe.
3cr; 45hr lec, TE 3.00 **(HI, DH)**

291 Modern Issues in Hawai'i

Prereq: HWST 107 and ENG 100, both with grade C or better, or consent.
Introduces contemporary, domestic and international Hawaiian issues within historical, social, cultural and political contexts. Engages students in research, question, critique, and development of their own critical analysis and commentary on diverse issues.
3cr; 45hr lec, TE 3.00 **(HI, DH)**

❦ Health (HLTH)

A. Scharnhorst

122 Introduction to Physical Therapy Support Skills

Prereq: Certificate of Competence for Therapeutic Activity Aide I, or consent.
Provides theoretical understanding of working with adults and children with disabilities or neuropathologies in home and community settings; supports families, parents and caregivers. Students learn to perform scenarios of therapeutic interventions and to work with therapists and allied health professionals who provide assessment, planning, and delivery of appropriate related services. Values promoted include family-centered care, cultural sensitivity, age-appropriate activities, functional skills, and collaborative teamwork. *Prepares Therapeutic Activity Aides to work under supervision of a registered Physical Therapist.*
3cr; 45hr lec, TE 3.00

125 Survey of Medical Terminology

Prereq: ENG 19 with grade C or better or placement at least ENG 22, or consent.
Surveys medical terminology including: prefixes, suffixes, and word roots; pronunciation, spelling and definition of selected medical words dealing with all human body systems; commonly used abbreviations; and use of the medical dictionary.
1cr; 15hr lec, TE 1.00

129 Terminology for Health Careers

Prereq or coreq: BIOL 100 and NURS 100, both with grade C or better, or consent.
Develops knowledge of medical terminology, abbreviations, diagnostic tests and procedures commonly used in medical settings. Material will address all systems of the body in depth with an emphasis on increasing professional vocabulary and proficiency in spelling medical terms.
3cr; 45hr lec, TE 3.00

150 Introduction to the Study of Disease

Prereq: ENG 19 with grade C or better or placement at least ENG 22, or consent.
Introduces basic concepts and characteristics of the disease processes. Discusses diseases related to specific body systems.
1cr; 15hr lec, TE 1.00

❦ History (HIST)

L. Horowitz, M. Ryan

151 World History to 1500

Prereq: ENG 22 with grade C or better, or placement at ENG 100; or consent.
A global and historical survey focusing on human societies and cross-cultural interactions to 1500 CE.
3cr; 45hr lec, TE 3.00 **(FGA)**

152 World History Since 1500

Prereq: ENG 22 with grade C or better, or placement at ENG 100; or consent.
A global and historical survey focusing on human societies and cross-cultural interactions since 1500 CE.
3cr; 45hr lec, TE 3.00 **(FGB)**

241 Civilizations of Asia I

Prereq: ENG 100 (or concurrent), or consent.
Interprets and compares the development and interaction of the political, economic, and cultural elements in the major civilizations of Asia from earliest times to contact with the West. 3cr; 45hr lec, TE 3.00 *(**DH**)

242 Civilizations of Asia II

Prereq: ENG 100 (or concurrent), or consent.
Surveys the impact of Western civilization upon major civilizations of Asia and the Asian response to this impact.
3cr; 45hr lec, TE 3.00 **(DH)**

253 Contemporary World History

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Recommended: HIST 152.
Examines the political, cultural, economic, and technological history of the world from the end of WWII to the present.
3cr; 45hr lec, TE 3.00 **(DH)**

281 Introduction to American History

Prereq: ENG 100 (or concurrent), or consent.
Develops understanding of the progress of American culture up to the Civil War, an insight into America's heritage, and a sensitivity to its ideals and realities.
3cr; 45hr lec, TE 3.00 **(DH)**

282 Introduction to American History

Prereq: ENG 100 (or concurrent), or consent.
Develops understanding of the progress of American culture since the Civil War, an insight into America's heritage, and sensitivity to its ideals and realities.
3cr; 45hr lec, TE 3.00 **(DH)**

284 History of the Hawaiian Islands

Prereq: ENG 22 with grade C or better, or placement at ENG 100; or consent.
Surveys the history of the Hawaiian Islands from Polynesian chiefdoms to Hawaiian Kingdom to American territory and state.
3cr; 45hr lec, TE 3.00 **(HI, DH)**

288 History of the Pacific Islands

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Recommended: HIST 152 or ANTH 200.
Surveys the cultural areas of the Pacific from pre-contact to present day. Covers prehistoric migration patterns, historical movements, and present day distributions, including western colonization and current problems. (Crosslisted as ANTH 235.) 3cr; 45hr lec, TE 3.00 **(DH)**

🌿 Hospitality & Tourism (HOST)

L. Liu, L. Peros

100   Career and Customer Service Skills
Recommended: Placement at ENG 100.
Focuses on the strategies and skills related to career success and customer satisfaction in the Hospitality & Tourism industry.
3cr; 45hr lec, TE 3.00

101   Introduction to Hospitality and Tourism
Provides an overview of the travel industry and related major business components. Analysis of links between hotel, food, transportation, recreation, and other tourism-related industries will be addressed.
3cr; 45hr lec, TE 3.00

150   Housekeeping Operations
Recommended: HOST 101 with grade C or better.
Studies the professional management of housekeeping operations including practical applications and management skills required to ensure quality, service and effective performance.
3cr; 45hr lec, TE 3.00

152   Front Office Operations
Recommended: HOST 101 with grade C or better.
Studies the philosophy, theory, equipment, and current operating procedures of a hotel front office. Concentrates on the human relation skills necessary for effective guests and employee relations and the technical skills necessary to operate a manual, mechanical or computerized front office operation.
3cr; 45hr lec, TE 3.00

154   Food & Beverage Operations
Recommended: HOST 101 with grade C or better.
Introduces the basic principles of marketing, menu planning, service styles, nutrition, sanitation and safety, purchasing, and control systems as they apply to food and beverage management in an operational setting. Provides practical applications for effectively managing resources for food and beverage industry operations.
3cr; 45hr lec, TE 3.00

258   Hospitality Marketing
Prereq: HOST 101 with grade C or better, and ENG 22 with grade C or better or placement at ENG 100, or consent.
Provides students with essential knowledge and practical experience to develop strategic and operating marketing plans for hospitality properties. Emphasizes the marketing orientation as a management philosophy that guides the design and delivery of guest services. Examines the dynamic relationship between hospitality marketing and daily operations.
3cr; 45hr lec, TE 3.00

260   Hospitality Law
Prereq: HOST 101 with grade C or better, and ENG 22 with grade C or better or placement at ENG 100, or consent.
Focuses on legal aspects of the hospitality industry with emphasis on compliance and prevention of liabilities. Examines possible consequences of failure to satisfy legal obligations and provides specific perspectives on managing risk.
3cr; 45hr lec, TE 3.00

261   Events Management
Prereq: HOST 101 with grade C or better, or consent. Recommended: Placement at ENG 100.
Prepares students to plan and administer successful functions, special events, meetings, and conventions. Students explore topics such as venue selection, event goals and assessment, catering needs, sales, service, technology, programming and event staffing. 3cr; 45hr lec, TE 3.00

280   Hospitality Management
Prereq: HOST 101 with grade C or better, and ENG 22 with grade C or better or placement at ENG 100, or consent.
Examines the key principles of management in the hospitality industry. Focuses on leadership skillbuilding and decision-making processes within the various management levels of a hospitality organization. Explores management concepts, strategies, and tools essential for organizational effectiveness. (*Formerly HOST 270*)
3cr; 45hr lec, TE 3.00

293   Hospitality & Tourism Internship
Prereq: HOST major; HOST 100 with grade C or better, or consent.
Provides a supervised field experience that is related to the student's major or career goals. The experience will enable the student to apply knowledge and skills learned in coursework to the work environment. (*Letter grade only*). (*Formerly HOST 200*)
3cr; 225hrs/semester documented industry work

294   Hospitality and Tourism Internship Abroad
Prereq: HOST major; HOST 101 with grade C or better; or consent.
Provides a supervised field experience abroad that is related to the student's major or career goals. The experience will enable the student to apply knowledge and skills learned in coursework to the work environment. (*Letter grade only*) 3cr; 225 hrs/semester documented industry work.

394v Hospitality and Tourism International Internship
Prereq: Consent.
Provides an international work practicum experience in the hospitality industry. Requires students to demonstrate proficiency in job performance in a hospitality-related organization abroad. Students complete a comprehensive work-based project and outline professional goals, assess workplace issues, and prepare recommendations to solve issues. Synthesizes management theories learned in class with actual practices in the hospitality industry and formulation of a comprehensive report. (*Credit/No Credit only. May be repeated for a maximum of 6 credits.*)
1-3cr; 200hr/cr supervised work

Human Development & Family Studies (HDFS)
T. Schlather

230 Human Development
Prereq: ENG 22 or higher, or consent.
Studies concepts, issues, and theories of human growth and development from conception to death. Explores systems approaches to inquiry into factors affecting growth and development. *(Formerly FAMR230)* 3cr; 45hr lec, TE 3.00 **(DS)**

Human Services (HSER)
S. LeGare, T. Schlather

101 Community Health Worker Fundamentals
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Identifies the roles Community Health Workers play in Hawai'i and the broader public health system. Introduces the attitudes, skills, and knowledge of the profession. 3cr; 45hr lec, TE 3.00

110 Introduction to Human Services
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Introduces the nature of human service programs from the person-in-environment and strengths perspectives. Studies federal, state and local human service responsibilities. Includes talks by agency representatives and field trips to agencies.
3cr; 45hr lec, TE 3.00

111 Community Action
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Develops a concept of human needs and examines how social institutions and communities provide for such needs. Views selected social problems in community settings and how communities, agencies, and organizational structures function to deal with them. Introduces social-cultural considerations and community action strategies. Participants will identify a community problem/need and develop and implement a proposal for action.
3cr; 45hr lec, TE 3.00

130 Introduction to Youth Practitioner
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Introduces the core skills needed by youth practitioners. Focuses on basic communication skills, growth and development of adolescents, family and cultures and their roles in development, and youth with special needs. Develops teamwork and basic workforce skills. 3cr; 45hr lec, TE 3.00

140 Introduction to Counseling & Interviewing
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Recommended: HSER 101 or HSER 110.
Offers a basic introduction to counseling theory and practice for those interested in working in helping professions. Provides opportunities to practice skills through role-playing. 3cr; 45hr lec, TE 3.00

145 Working with Older Adults
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent. Recommended: HSER 101 or 110.
Introduces students to the experience of aging and the issues affecting the elderly. Examines aging from developmental and person-in-environment perspectives. Identifies the social service needs of the elderly, local and federal programs, and implications for the "soon-to-be-elderly".
3cr; 45hr lec, TE 3.00

194 Seminar & Fieldwork I
Prereq: Permission of instructor; HSER 140 with grade C or better, and ENG 22 with grade C or better or placement at ENG 100, or consent.
Provides individualized in-service training in community services and supervised work experience. *Includes weekly seminar giving students opportunity to discuss practicum experiences.* 3cr; 45hr lec, TE 3.00

240 Introduction to Motivational Interviewing
Prereq: HSER 140 with grade C or better, or consent.
Introduces the theoretical and practical skills of Motivational Interviewing including the identification and development of skills and strategies across diverse practice contexts and populations.
3cr; 45hr lec, TE 3.00 **(DS)**

245 Group Counseling
Prereq: HSER 140 with grade C or better, or consent. Recommended: HSER 110.
Provides theoretical and experiential training in facilitating self-exploration and growth groups. Designed to provide understanding and experience in selecting group members, establishing group norms and goals, setting group climates, developing group activities, promoting group and individual growth, and making appropriate group interventions. 3cr; 45hr lec, TE 3.00

248 Case Management
Prereq: HSER 140 with grade C or better, or consent.
Provides knowledge and practical skills to become competent case managers in health and human services agencies. Students apply the Ecological Model, Strengths Perspective and effective interviewing skills to case management tasks including intake, assessment, service planning, care coordination, discharge planning and referral. Explores individual and community capacity building, cultural competence, professional ethics and boundaries.
3cr; 45hr lec, TE 3.00

256 Dynamics of Family Violence
Prereq: ENG 100 with grade C or better, or consent. Recommended: HSER 110.
Provides an in-depth study of the problems, dynamics, and effects of family violence and examines current societal responses. Includes the history of domestic violence, contributing cultural and socialization factors. Reviews partner, child, and elder abuse within the family and multi-generational effects. Examines legal and ethical issues, and best-practices for intervention nationally and in our community. 3cr; 45hr lec, TE 3.00

268 Alcohol & Drug Education
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines drug use, misuse, abuse, and addiction including the impact of drug actions on the body, brain, mind and spirit. Emphasizes historical and psychosocial factors that may contribute to drug use and policies and interventions to address the problem. 3cr; 45hr lec, TE 3.00

270 Substance Abuse Counseling
Prereq: HSER 140 with grade C or better, or consent.
Provides theoretical and experiential training in the prevention, intervention, and treatment applicable to a diverse substance abuse population. Identifies ethical and legal issues of working with this population. 3cr; 45hr lec, TE 3.00

294 Seminar & Fieldwork II
Prereq: Permission of instructor; and HSER 194 with grade C or better, and consent .
Provides advanced, individualized, in-service training in community-based human services agencies. *Includes weekly seminar giving students the opportunity to discuss practicum experiences.* 3cr; 45hr lec, TE 3.00

345 Diversity in Aging
Prereq: HSER 145 and ENG 100, both with grade C or better, or consent.
Examines social and cultural diversity in the aging process. Identifies impacts of socioeconomic status, race/ethnicity, gender, sexual orientation, and religion/spirituality. Explores health disparities, cumulative advantage and disadvantage across the life course, and access to government services and programs. 3cr; 45hr lec, TE 3.00

350 Women & Addiction: Why Gender Matters
Prereq: HSER 268, HSER 270, and ENG 100, all with grade C or better, or consent.
Examines girl's and women's substance misuse/abuse/dependence in a socio-cultural context through the Person-In-Environment and Strengths perspectives. Evaluates common pathways to addiction. Compares and contrasts physiological and psychological gender differences, impacts, and consequences in the addiction process. Assesses the unique treatment needs of this population and gender-responsive strategies to meet those needs. Includes gender specific and culturally competent treatment trends in Hawai'i. 3cr; 45hr lec, TE 3.00

360 Trauma Informed Care
Prereq: HSER 248, HSER 270, and ENG 100, all with grade C or better, or consent.
Examines trauma experiences across the life span through the person-in-environment perspective, including individual reactions, resiliencies and community responses. Compares trauma informed care with traditional helping paradigms via exploration of best practice models and local programs. 3cr; 45hr lec, TE 3.00

365 Motivational Interviewing
Prereq: HSER 140 and ENG 100, both with grade C or better, or consent.
Introduces the theoretical basis of Motivational Interviewing. Focuses on developing skills and strategies for using the model in diverse contexts (community agency settings, mental health and health care clinics) and across diverse behavioral issues (addictions and mental health, healthy lifestyle behaviors, chronic disease). 3cr; 45hr lec, TE 3.00

☙ Humanities (HUM)

100 Themes in Humanities
Gives the student a start toward viewing the arts as an expression of the meaning of life. Interweaves interpretations of history and a variety of works of poetry, drama, novel, painting, sculpture, music, and philosophy to illustrate mankind's changing awareness. 3cr; 45hr lec, TE 3.00 **(DH)**

400 Changes & Choices
Prereq: ENG 316, or consent.
Explores ways in which the humanities can contribute to personal and work lives, especially as individuals face change and make decisions. Analyzes how individuals worldwide examine circumstances including the changing landscape of living among people of various beliefs and cultures, making decisions, and dealing with consequences of such decisions. Examines the onset of other choices presented to us as a result of the original decisions made, or alternatively, made for us by our choosing not to engage in the process.
3cr; 45hr lec, TE 3.00 **(DH)**

☙ Ilokano (ILO)

101 Beginning Ilokano I
Introduces speaking, listening, reading, and writing skills of basic Ilokano. Includes basic structures of Ilokano, language commonly used in daily situations, and different aspects of Philippine cultures.
4cr; 60hr lec, TE 4.00

102 Beginning Ilokano II
Prereq: ILO 101, or consent.
Continues ILO 101. Includes speaking, listening, reading, and writing skills of basic Ilokano. 4cr; 60hr lec, TE 4.00

☙ Information and Computer Science (ICS)

D. Bhattacharya, T. Chiasson, B. Kohne, D. Kruse, F. Mabie

101 Digital Tools for the Information World
Emphasizes production of professional level documents, spreadsheets, presentations, databases, and web pages for problem solving. Includes concepts, terminology, and a contemporary operating system. *Meets requirements for UH Mānoa and UH Hilo College of Business and UH Mānoa Biology program and Botany Department.*
3cr; 45hr lec, TE 3.00

110 Intro to Computer Programming
Prereq or coreq: ICS 101 or BUSN 150, either with grade C or better, or consent.
Teaches fundamental programming concepts including sequential, selection, and repetition flow; variables and types; syntax; error types; compilation; linking; loading; and debugging. Introduces algorithms, flow charts, UML, and other analytic tools. Explains and practices problem solving and critical thinking methods.
3cr; 45hr lec, TE 3.00

111 Intro to Computer Science I
Prereq: ICS 110 with grade C or better; and MATH 82 with grade C or better or placement at least MATH 103; and ENG 19 with grade C or better or placement at least ENG 22; or consent.
Introduces problem solving using computers. Provides a background for students entering computer science, engineering, or other fields that require a background in computer programming. Teaches the basics of the computer hardware/software interfaces. Includes programs, applications, and compliers. Introduces programming concepts, algorithms, and problem solving techniques using high-level object-oriented programming languages. *Meets ACM CS 1 course standards.* 4cr; 60hr lec, TE 4.00

141 Discrete Mathematics for Computer Science I
Prereq: MATH 103 with grade C or better; or consent.
Provides instruction for logic, sets, functions, matrices, algorithmic concepts, mathematical reasoning, recursion, counting techniques, and probability theory.
3cr; 45hr lec, TE 3.00

150 Introduction to GIS/GPS
Prereq: ICS 101 or BUSN 150, either with grade C or better, or consent. Recommended: Familiarity with computer databases.
Introduces applications of geographic information systems (GIS) with a special emphasis on using ArcView GIS. Includes database construction and techniques for spatial data manipulation, analysis, and display. Teaches use of global positioning system (GPS.) Explores cross-disciplinary applications in the natural and social sciences. *(Crosslisted as GIS 150.)*
4cr; 60hr lec, TE 4.00

161 Introduction to Computer Graphics

Prereq: ICS 101 or BUSN 150, or consent.
Introduces computer graphics tools and concepts in digital image editing, illustration graphics, print and web design, and 2D and 3D animation. *(Crosslisted as ART 161.)* 3cr; 45hr lec, TE 3.00 **(DA)**

169 Introduction to Information Security

Prereq: ICS 101 with grade C or better, or consent.
Provides the basic foundation to information security, including identifying threats, planning for business continuity, and preparing for various security attacks. Focus will be given to threats to financial security such as attacks on banking and other related financial information. Special emphasis on ethics and legal issues that covers hacking and other cybersecurity techniques and tactics. 3cr; 45hr lec, TE 3.00

171 Introduction to Computer Security

Prereq: ICS 184 or ETRO 140, either with grade C or better(or concurrent), and ICS 169 with grade C or better, or consent.
Examines the essentials of computer security, including risk management, use of encryption, activity monitoring, intrusion detection; and the creation and implementation of security policies and procedures to aid in security administration.
3cr; 45hr lec, TE 3.00

173 Introduction to Data Science

Prereq: MATH 115 with grade C or better, or consent.
Introduces the fundamentals of data science, using Python, R or similar programming languages, for the analysis of real-world datasets. Topics include writing scripts and programs in Python or similar languages, and using tools for cleaning, manipulating, and visualizing data. Introduction to intelligent analysis techniques. Properties of domain-specific datasets. No prior programming experience required but basic statistical knowledge is required.
3cr; 45hr lec, TE 3.00

184 Introduction to Networking

Prereq: ICS 101 with grade C or better, or consent.
Provides the student with the knowledge and skills to manage, maintain, troubleshoot, install, operate and configure basic network infrastructure, as well as to describe networking technologies, basic design principles, and adhere to wiring standards and use testing tools.
3cr; 45hr lec, TE 3.00

193v Computer Science Internship I

Prereq: ICS 111, and consent of both instructor and Co-op coordinator. Coreq: Enrollment in ECET program and one or more ECET or ETRO courses. Recommended: ETRO 105, and ENG 100.
Reflects student interest area and availability of job stations. Offers opportunity to upgrade workplace employability. *Student, instructor, and employment supervisor jointly develop learning outcomes; instructor and employment supervisor jointly evaluate student. (May be repeated for a maximum of 3 credits.)* 1-3cr; 75hr/cr supervised work

200 Web Technology

Prereq: ICS 110 with grade C or better, or consent.
Introduces web page authoring. Creates client-side web pages using web authoring language and style sheets. Uses graphical design elements, validation, browser capability, and accessibility. Uses scripting language to add dynamic elements to web pages, client-side scripting, regular expressions, event handling, input validation, selection, repetition, and parameter passing. 3cr; 45hr lec, TE 3.00

205 Photoshop and Illustrator

Prereq: ICS 101 or BUSN 150, or consent.
Introduces the basic tools and features of digital image editing, photo retouching, and color correction of images. Focuses on the fundamental drawing techniques of illustration graphics including pen tool paths, objects, and type. *(Crosslisted as ART 205.)* 3cr; 45hr lec, TE 3.00 **(DA)**

211 Introduction to Computer Science II

Prereq: ICS 111 with grade C or better, or consent. Recommended: MATH 135.
Reinforces and strengthens problem-solving skills using more advanced features of programming languages and algorithms, such as recursion, pointers, and memory management. Emphasizes use of data structures, such as arrays, lists, stacks, and queues. *Meets ACM CS2 course standards.*
3cr; 45hr lec, TE 3.00

212 Program Structure

Prereq: ICS 211 with grade C or better, or consent.
Focuses on organization paradigms, programming environments, implementation of a module from specifications, the C and C++ programming languages.
3cr; 45hr lec, TE 3.00

214 Fundamentals of Design for Print and Web

Prereq: ICS 101 or BUSN 150, or consent.
Introduces development principles related to graphic design terminology, tools and media, and layout and design concepts. Topics include integration of type, images, and other design elements, developing computer skills in industry standard computer programs, and study of design development pertaining to color theories, publications, and advertising. Projects will emphasize relating form to content through selection, creation and integration of typographic, digital imaging, illustrative, and design elements in print and web environments. *(Crosslisted as ART 221.)* 3cr; 45hr lec, TE 3.00 **(DA)**

225 Introduction to Blockchain Technology

Prereq: ICS 110 or ICS 111, either with grade C or better, or consent.
Provides an introduction to cryptocurrencies, blockchain technology, smart contracts and distributed applications (DApps). Topics include the origins of the Bitcoin cryptocurrency and its evolution over the past decade, the rise of the Ethereum Virtual Machine (EVM) and Blockchain, the proliferation of Smart Contracts using Solidity, and the emergence of DApps that use Blockchain for a variety of applications. Basic understanding of any computer programming language is required. 3cr; 45hr lec, TE 3.00

241 Discrete Mathematics for Computer Science II

Prereq: ICS 141 with grade C or better, or consent.
Provides instruction for program correctness, recurrence relations and their solutions, divide and conquer relations, graph theory, trees and their applications, Boolean algebra, introduction to formal languages, and automata theory.
3cr; 45hr lec, TE 3.00

251 Introduction to Unix/Linux

Prereq: ICS 101 with grade C or better, or consent.
Introduces the Unix/Linux operating system with emphasis on the Red Hat Linux release. Covers the history and structure of Unix/Linux, basic functions, and fundamental commands. Explores advanced topics unique to Unix/Linux system administration. Stresses the ethics and responsibilities incumbent with Super User privileges. 4cr; 60hr lec, TE 4.00

252　Unix/Linux System Administration
Prereq: ICS 251 with grade C or better, or consent.
Continues exploration of the Unix/Linux operating system with an examination of the tasks and responsibilities of system administration. Examines and explores the Unix group and user hierarchy, system security, networking fundamentals, network administration, system logs, troubleshooting, application installation, and system installation and maintenance. Emphasizes the ethics and responsibilities of Unix System Administration and root user privileges. 4cr; 60hr lec, TE 4.00

261　Intermediate Computer Graphics
Prereq or Coreq: ICS 161, 205, or 214, or consent.
Provides instruction with the tools and concepts of computer graphics utilizing digital media technology. Offers experience that integrates digital image editing, illustration graphics, print publishing, web authoring, 2D, and 3D animation. *(Crosslisted as ART 218.)*
3cr; 45hr lec, TE 3.00 **(DA)**

272　Digital Imaging & Animation
Prereq: ICS 261 or ART 218, or consent.
Develops 2D computer graphics as elements for 3D projects. Compiles digital imaging and illustration using natural media tools, filters, compositing, templates for 3D project scenes, texture-mapping, and source files. Outlines 3D modeling and animation concepts, tools, and techniques for project development.
3cr; 45hr lec, TE 3.00

281　Ethical Hacking
Prereq: Either ICS 184 or ETRO 140, and ICS 169, both with grade C or better, or consent.
Studies the basic ethical hacking techniques also known as white hat hacking. It stresses the moral and legal issues about hacking and how these techniques can be used to defend against attacks as well as to perform authorized system security evaluation testing. 3cr; 45hr lec, TE 3.00

282　Computer Forensics
Prereq: Either ICS 184 or ETRO 140, and ICS 169, both with grade C or better, or consent.
Studies the basic computer forensics including operating system diagnostics, the use of forensic toolkits to examine and validate computer activity and techniques for the proper collection, examination and preservation of forensic evidence.
3cr; 45hr lec, TE 3.00

283　Advanced Computer Graphics Design
Prereq: ICS 261 or ART 218, or consent.
Reviews history, development, technology, and creative approaches of digital tools. Summarizes design theory. Employs graphics software to achieve concepts, content, and distinctive project solutions. Originates and manages the preproduction, production, postproduction of projects in print, web, digital imaging, illustration, and animation. Assembles projects into traditional, content, and digital portfolios. Analyzes professional issues for careers in digital media: resume, portfolio, exhibiting, personal web site, employment, and professional organization.
3cr; 45hr lec, TE 3.00

285　Digital Media Capstone
Prereq: ICS 283 and approval of DM faculty.
Provides an opportunity to integrate and employ tools and knowledge developed during the Digital Media program. Evaluates design and technical skills in digital media publishing projects. Assesses internship experiences and job market research for employment strategies. A comprehensive professional digital media publishing portfolio is required as a capstone project.
3cr; 45hr lec, TE 3.00

293v　Computer Science Internship II
Prereq: ICS 193v, or consent.
Reflects student interest area and the availability of job stations. Offers the opportunity to upgrade employment and problem-solving skills. *Student, instructor, and employment supervisor develop learning outcomes; instructor and employment supervisor jointly evaluate student. (May be repeated for a maximum of 6 credits.)*
1-3cr; 75hr/cr

319　Operating Systems
Prereq: ICS 111, ICS 200, and MATH 203/205, all with grade C or better, or consent.
Covers concepts, issues, and design of modern operating systems. Analyzes processes and state, concurrency, resource management algorithms for memory, processors and I/O devices, protection, and security. Develops case studies of popular desktop and server operating systems. Conducts lab projects and teaches OS installation and administration techniques.
3cr; 45hr lec, TE 3.00

320　Introduction to Information Systems & E-Commerce
Prereq: ICS 101 or BUSN 150, either with grade C or better, or consent.
Introduces general concepts of information systems and e-commerce. Includes key business applications, e-commerce, and the Internet, system development, outsourcing, networking, and data communications, data and databases, and security. Includes relevant projects. 3cr; 45hr lec, TE 3.00

352 Networks and Security
Prereq: ICS 111, ICS 200, and MATH 203/205, all with grade C or better, or consent. Provides detailed knowledge of the internet and its capabilities. Explains details of HTTP, TCP/IP, ethernet, and wireless 802.11 router, switches, and NAT; network and wireless security; practical experience in designing and implementing networks. Laboratory projects teach network design and administration. Discusses intermediate level topics on computer security. Examines legal, ethical, and technology issues in computer access, confidentiality, authentication, privacy, and intellectual property. 3cr; 45hr lec, TE 3.00

360 Database Design & Development
Prereq: ICS 320 with grade C or better, or consent. Provides detailed knowledge of database design and development. Explains data models, both relational and object oriented. Examines relational database management systems. Demonstrates database design and development using SQL. Explains client/server systems and web access to databases. 3cr; 45hr lec, TE 3.00

385 Web Development and Administration
Prereq: ICS 320 with grade C or better, or consent. Provides detailed knowledge of web page authoring. Demonstrates scripting in operating systems, web pages, server-side application integration, regular expressions, event handling, input validation, selection, repetition, parameter passing. Develops an e-commerce web site that uses a standard browser to accept user input, processes the user input with business logic, and connects to a back-end SQL database. Discusses topics in web site administration. Covers site management (operating system, web server and database installation and administration); security (cryptography, authentication, digital certificates); and content (site design, ethical and business considerations). 3cr; 45hr lec, TE 3.00

418 Systems Analysis & Designs
Prereq: ICS 360 and ICS 385, both with grade C or better, or consent. Provides detailed knowledge of system specification, modeling and analysis, prototyping, hierarchical design, program design methods, cost estimation, project management, computer-aided software design. Emphasizes planning, analysis, and design phases of the Software Development Life Cycle with one model of the SDLC covered. Demonstrates learning tools and techniques for sound requirement assessment and, working as a team, produces a verified design of a web-based software product. 3cr; 45hr lec, TE 3.00

435 Machine Learning Fundamentals
Prereq: ICS 173, ICS 320, BUS 310, and MATH 115, all with grade C or better, or consent. Provides detailed knowledge of machine learning concepts with a focus on relevant ideas from business and industry. Studies information processing and learning from real-world business scenarios. Describes neural networks, supervised and unsupervised learning. Focuses on the basics of statistical learning theory. 3cr; 45hr lec, TE 3.00

463 Human Computer Interaction
Prereq: ICS 320 and MATH 115, or consent. Application of concepts and methodologies of human factors, psychology and software engineering to address ergonomic, cognitive, and social factors in the design and evaluation of human-computer systems. 3cr; 45hr lec, TE 3.00

☙ Interdisciplinary Studies (IS)
J. Patao

103S Building College Strengths through Culture
Teaches, infuses, and uses culture to help students successfully transition into post-secondary education by developing an understanding of personal strengths for student success. 1cr; 15hr lec, TE 1.00

104B Transitions: Personal
Introduces students to college level work, strategic reasoning, communicating, and academic strategies. Helps students to develop an understanding of personal learning strengths, needs, time and resource management, and the use of relevant resources. Develops skills necessary to monitor progress and resolve problems. Introduces the creation of an individual learning portfolio and plan to support the successful transition to college. 1cr; 15hr lec, TE 1.00

104C Transitions: Community
Focuses on developing the understanding that it is essential for human beings to work together. Teaches how to work as a productive member of a successful team. Develops critical thinking and problem solving skills. Teaches and practices taking responsibility in implementing a solution, and recognizing and producing quality performance and quality products. 1cr; 15hr lec, TE 1.00

105 Career/Life Exploration & Planning
Prepares student for effective career/life exploration, planning and decisions. Emphasizes self-assessment, world of work information, survey of occupational clusters and related academic preparation relevant to self-assessed interests, and values and decision-making. *Students cannot take both IS 105 and IS 105B for credit toward a degree.* 3cr; 45hr lec, TE 3.00

105B Personal Assessment
Assists students in evaluating their interests, values, abilities, lifestyles, and other factors relating to career choice. Provides students with an opportunity to develop career decision-making skills. *Students cannot take both IS 105 and IS 105B for credit toward a degree.* 1cr; 15hr lec, TE 1.00

105C Professional Employment Preparation
Facilitates employment search by emphasizing professional techniques and standards in the preparation of application forms, resumes, cover letters, and employment interviews. *(Crosslisted as BUSN 166.)* 1cr; 15hr lec, TE 1.00

106 College Orientation I
Develops knowledge, skills, and attitudes associated with personal, academic, and career success. Provides overviews of college policies, procedures, and curricular offerings. Develops communication and teamwork skills. Encourages contacts with students and staff. *Strongly recommended for entering students.* 2cr; 30hr lec, TE 2.00

107 College Orientation II
Prereq or coreq: IS 106, or consent. Integrates, practices, and applies knowledge, skills, and attitudes associated with personal, academic, and career success. Integrates and applies communication and teamwork skills. Encourages contacts with students and staff as well as community and campus service. *Strongly recommended for entering students.* 1cr; 15hr lec, TE 1.00

☙ Japanese (JPNS)

101 Elementary Japanese I
Introduces speaking, listening, reading, and writing skills of beginning Japanese. Includes basic sentence structures. *Daily practice highly recommended.* 4cr; 60hr lec, TE 4.00

102   Elementary Japanese II
Prereq: JPNS 101, or consent.
Continues 101. Introduces additional basic Japanese speaking, listening, reading, and writing sentence structures. *Daily practice highly recommended.*
4cr; 60hr lec, TE 4.00

201   Intermediate Japanese I
Prereq: JPNS 102, or consent.
Second level course in Japanese listening, reading, speaking, and writing. Introduces more advanced grammatical patterns and vocabulary words. *Daily practice highly recommended.* 4cr; 60hr lec, TE 4.00

202   Intermediate Japanese II
Prereq: JPNS 201, or consent.
Continues JPNS 201. Completes introduction of major grammatical patterns of standard Japanese. *Daily practice highly recommended.* 4cr; 60hr lec, TE 4.00

✺ Journalism (JOUR)

205   News Writing
Prereq: Basic keyboarding skills of 15 wpm and ENG 100, or consent.
Introduces the fundamentals of news style, reporting and ethics. Provides practical experience in news gathering and writing. 3cr; 45hr lec, TE 3.00

250   Media Writing
Prereq: ENG 100 with grade C or better, or consent.
Introduces the fundamentals of journalism including media ethics, fact gathering, and interviewing to produce written material for varied media. 3cr; 45hr lec, TE 3.00

✺ Learning Skills (LSK)

E. Engh

30   Study Skills
Recommended: ENG 10 or placement at ENG 19.
Develops effective learning skills for success in career and technical as well as general education classes. Focuses on organization, time management, note-taking, test-taking, and communication, including reading, writing, listening, and speaking. Includes use of library and Learning Center for individual improvement. *(A-F, N, W grades only.)* 3cr; 45hr lec, TE 3.00

110   College Learning Skills
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Enhances students' abilities to succeed academically. Investigates communication and organizational skills, methods of inquiry, creative thinking skills, cognitive learning styles, and academic and community resources. 3cr; 45hr lec, TE 3.00

✺ Linguistics (LING)

102   Introduction to the Study of Language
Prereq: ENG 100 or 102, or placement at ENG 100, or consent.
Investigates the nature and workings of language: its composition (sound system, grammatical structure, and lexicon), representation (oral and written), and divergence (relationships between languages of the world). General linguistic principles applicable to all languages will be covered. 3cr; 45hr lec, TE 3.00 **(DH)**

✺ Maintenance (MAIN)

C. Rutherford

130   Masonry
Introduces materials and explains techniques used in installing and repairing concrete, hollow tile, and related masonry construction. *(Formerly MAIN 30)*
2cr; 60hr lec-lab, TE 2.50

140   Painting & Decorating
Introduces materials and explains techniques used in applying and maintaining paints, wallpaper, and plaster. *(Formerly MAIN 40)* 2cr; 60hr lec-lab, TE 2.50

150   Plumbing I
Introduces materials and explains techniques used to install and maintain plumbing lines, fixtures, and controls. Emphasizes effective maintenance procedures for commercial structures. *(Formerly MAIN 50)*
2cr; 60hr lec-lab, TE 2.50

155   Plumbing II
Prereq: MAIN 150, or consent.
Studies the plumbing system of the typical single-family residential dwelling. Examines how local and national codes apply to residential units. *(Formerly MAIN 55)*
2cr; 30hr lec, TE 2.00

160   Small Equipment Repair
Introduces the repair and maintenance of small engines, appliances, garden equipment, and power tools. Examines troubleshooting techniques and emphasizes repair fundamentals. *(Formerly MAIN 60)*
2cr; 60hr lec-lab, TE 2.50

165   Air Conditioning and Refrigeration
Studies air conditioning systems of residential and commercial buildings. Explores the servicing of small appliances (Type I), and servicing or disposing of high or very high-pressure appliances (Type II), except motor vehicle ACs. Introduces skills and concepts of planning, testing, troubleshooting, and balancing such systems. *(Formerly MAIN 65)*
2cr; 60hr lec-lab, TE 2.50

166   Heating, Venting, Air Conditioning and Refrigeration (HVACR) Refrigerant Recovery
Covers laws and regulations for the recovery, reclamation, and recycle or refrigerants used in small appliances (Type I), high or very high-pressure appliances (Type II), and low-pressure appliances (Type III), except motor vehicle ACs. Prepares students to take the Environmental Protection Agency (EPA) Section 608 Universal Technician Exam. 1 cr; 15hr lec, 1.00 TE

167   Heating, Venting, Air Conditioning and Refrigeration (HVACR) System Design and Controls
Prerequisite: Permission of instructor.
Explores components, controls, balancing, preventive maintenance procedures, and efficiency measures for commercial HVACR and chilled water systems. Covers low-pressure refrigerant (EPA Section 608 Type III) cooling and heating systems. 2 cr, 60hr lec-lab, 2.50 TE

170   Preventive Maintenance
Explores principles of preventive maintenance: records maintenance, replacement schedules, rust prevention, and equipment maintenance and servicing. *(Formerly MAIN 70)*
2cr; 60hr lec-lab, TE 2.50

Management (MGT)

G. Logan, F. Mabie

120 Principles of Management
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Introduces the principles and concepts of management including managerial functions, motivation, leadership, and decision-making. 3cr; 45hr lec, TE 3.00

122 Human Relations in Management
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent. Recommended: ENG 22 with grade C or better, or placement at ENG 100.
Introduces the basic concepts of individual, group, and organizational human behavior as they affect human relations, performance, and productivity within the workplace. 3cr; 45hr lec, TE 3.00

124 Human Resources Management
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent. Recommended: ENG 22 with grade C or better, or placement at ENG 100.
Introduces the principles, organizations and techniques of personnel administration including procurement and placement, improvement of performance, management and labor relations, remuneration and security and other human resource functions. 3cr; 45hr lec, TE 3.00

310 Principles of Management
Prereq: PSY 100 or SOC 100, either with grade C or better, or consent.
Introduces activities and skills needed to successfully manage both domestic and international organizations with an emphasis on decision-making. Includes communication, work motivation, group dynamics, leadership and organizational change, conflict, personality, and teamwork. Relates these concepts to performance, job satisfaction, and organizational commitment. 3cr; 45hr lec, TE 3.00

322 Organizational Leadership and Management of Change
Prereq: PSY 100 or SOC 100, either with grade C or better, or consent.
Prepares managers to influence the human side of developing and implementing changes in organizations. Theory, cases, and exercises help managers to understand the socio-technical aspects of change; to see leadership as motivating organizational members; to understand their own ability to influence others; and to understand the leadership successes of noted leaders from all walks of life. 3cr; 45hr lec, TE 3.00

Marketing (MKT)

G. Logan, F. Mabie

120 Principles of Marketing
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent. Recommended: ENG 22 with grade C or better, or placement at ENG 100.
Introduces marketing concepts and the application to the process of marketing products, services, and ideas to provide value and benefits to both for-profit and non-profit organizations. Students will develop an understanding of the marketing process, analyze marketing opportunities, and develop strategies to fulfill the needs of target markets.
3cr; 45hr lec, TE 3.00

160 Advertising & Promotion
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent. Recommended: MKT 120.
Introduces the principles of advertising and promotion, including sales promotion, publicity, public relations, and selling, and their relationship to the marketing system. Stresses strategies of informing, persuading, and integrating information to create a positive image. 3cr; 45hr lec, TE 3.00

285 Internet/Social Media Marketing
Prereq: BUS 150 or ICS 101, and MKT 120, both with grade C or better, or consent. Recommended: MKT 160.
Examines the use of internet as an effective marketing tool to enhance customer relationships and strengthen brand awareness. Examines how continually emerging internet technologies and social media are increasing marketing effectiveness and efficiency. Covers development of an internet marketing plan. 3cr; 45hr lec, TE 3.00

300 Principles of Marketing
Prereq: ECON 130 and ECON 131, both with grade C or better, or consent.
Applies the fundamental principles of successful marketing including segmentation, targeting, product development, positioning, packaging, placement, pricing, promotion, service and relationship building to development of marketing plans. Explores the impact of marketing of goods and services using the Internet, the World Wide Web, and other technologies as they emerge. 3cr; 45hr lec, TE 3.00

400 Marketing for a Digital Age
Prereq: MKT 300 with grade C or better, or consent.
Examines how startup and small/medium companies reach the marketplace and sustain their businesses within highly competitive industries. Recognizes the need of management to operate flexibly, making maximum effective use of scarce resources in terms of people, equipment, funds, and the opportunities that exist within new and established market niches.
3cr; 45hr lec, TE 3.00

Mathematics (MATH)

T. Blamey, S. Bowe, T. Evangelista, D. Harbin, N. Okamoto

Mathematics courses numbered below 100 do not count toward UHMC degrees (AA, AS, AAS, ATS, BAS).

To progress to more advanced mathematics courses, students should have grade C or better in prerequisite courses. The prerequisite course is most beneficial when completed during the prior 12 months.

Math placement testing or alternate placement measures are required of all students who are taking mathematics at UH Maui College. *(For more info, see English and Math Placement section, or the Math Routes for Specific Majors chart.)*

75X Introduction to Mathematical Reasoning
Prepares students for MATH 100, MATH 111, and MATH 115. Course topics include ratio and percent, unit conversion, graphs, data interpretation, basic algebra, solving linear equations, working with formulas with special emphasis on pattern recognition and problem solving, financial formulas, money management, exponential growth, and geometry, *(A-F, N, W grades only.)*
4cr; 60hr lec, TE 4.00

82 Accelerated Algebra
Prereq: MATH 75X with grade C or better, or placement at MATH 82, or consent. Recommended: Reading placement at least ENG 21.
Covers elementary algebra topics. Topics include operations with real numbers; linear equations and inequalities; graphing; linear systems, properties of exponents; operations and polynomials; factoring; rational expressions and equations; roots and radicals; quadratic equations; and applications. *(A-F, N, W grades only.)* 4cr; 60hr lec, TE 4.00

88   College Algebra Companion
Prereq: Placement at MATH 88, or consent.
Coreq: MATH 103.
Provides students with supplemental algebra
instruction as a corequisite that supports
topics covered in MATH 103. *Credit/No
Credit grade only.*
2cr; 30hr lec, TE 2.00

100   Survey of Mathematics
*Prereq: MATH 75X with grade C or better
or placement at least MATH 100, and ENG
100 with grade C or better (or concurrent), or
consent. Recommended: At least 11th grade
reading skills.*
Acquaints the non-specialist with examples
of mathematical reasoning. Explores selected
topics such as numeration systems, consumer
math, linear and exponential growth, induc-
tive patterns, mathematical art, probability,
statistics, set theory, and logic.
3cr; 45hr lec, TE 3.00 **(FQ)**

103   College Algebra
*Prereq: MATH 82 with grade C or better or
placement at least MATH 103, and ENG 22
with grade C or better or placement at ENG
100, or consent. Recommended: At least 11th
grade reading skills.*
Analyzes and interprets the behavior and
nature of functions including linear, poly-
nomial, exponential, log, absolute value, and
piecewise-defined functions; solves systems
of equations; solves application problems.
3cr; 45hr lec, TE 3.00 **(FQ)**

**111   Mathematics for Elementary
          Teachers I**
*Prereq: MATH 75X with grade C or better or
placement at least MATH 100, and ENG 22
with grade C or better or placement at ENG
100, or consent.*
Explores mathematical ideas, problem solv-
ing, quantitative and symbolic reasoning.
Focuses on operations and their properties,
sets, counting, patterns, and algebra.
3cr; 45hr lec, TE 3.00

**112   Mathematics for Elementary
          Teachers II**
*Prereq: MATH 111 with grade C or better,
or consent.*
Demonstrates operations and develops the
properties of the natural numbers, integers,
rational numbers, and real numbers. Ex-
plores the use of mathematical operations to
solve problems, including geometry, prob-
ability, and physical rates.
3cr; 45hr lec, TE 3.00 **(FQ)**

**115   Introduction to Statistics and
          Probability**
*Prereq: MATH 75X with grade C or better, or
placement at MATH 115, and ENG 22 with
grade C or better or placement at ENG 100, or
consent.*
Utilizes basic statistical topics including
measures of central tendency and disper-
sion, classification of variables, sampling
techniques, elementary probability, normal
and binomial probability distributions,
tests of hypothesis, linear regression and
correlation in order to solve problems.
3cr; 45hr lec, TE 3.00 **(FQ)**

119   Engineering Precalculus
*Prereq: MATH 103 with grade C or better, or
placement at MATH 135, and consent.*
Studies linear, polynomial, rational,
exponential, logarithmic, and trigonomet-
ric functions, matrices and determinants,
polar coordinates, vectors, complex num-
bers, ratio and proportion, sequences and
series and related topics with emphasis on
applications in electronics and computer
engineering technology.
4cr; 60hr lec, TE 4.00 **(FQ)**

**135   Pre-Calculus:
          Elementary Functions**
*Prereq: MATH 103 with grade C or better or
placement at MATH 135, or consent.*
Investigates linear, quadratic, polynomial,
rational, exponential, and logarithmic
functions and related topics. This course is
the first part of the precalculus sequence.
3cr; 45hr lec, TE 3.00 **(FQ)**

**140   Pre-Calculus: Trigonometry and
          Analytic Geometry**
*Prereq: MATH 135 with grade C or better or
placement at MATH 140, or consent.*
Studies the trigonometric functions, analyt-
ic geometry, polar coordinates, vectors, and
related topics. This course is the second
part of the precalculus sequence.
3cr; 45hr lec, TE 3.00 **(FQ)**

**203   Calculus for Business & Social
          Sciences**
*Prereq: MATH 135 with grade C or better or
placement at MATH 140, and ENG 100 with
grade C or better (or concurrent), or consent.*
Studies the basic concepts of differentiation
and integration and their applications in
the areas of finance, management, econom-
ics, and social sciences.
3cr; 45hr lec, TE 3.00 **(FQ)**

241   Calculus I
*Prereq: MATH 119 or 140 either with grade
C or better or placement at MATH 241, or
consent.*
Explores basic concepts of differential
and integral calculus. Reviews functions,
focuses on differentiation and its applica-
tions. Introduces integration. (*Formerly
MATH 205.*)
4cr; 60hr lec, TE 4.00 **(FQ)**

242   Calculus II
*Prereq: MATH 241 with grade C or better,
or consent.*
Extends and completes the calculus on a
single real variable with the differentiation
and integration of transcendental func-
tions, techniques of integration, applica-
tions, and infinite series. (*Formerly MATH
206.*) 4cr; 60hr lec, TE 4.00 **(FQ)**

243   Calculus III
*Prereq: MATH 242 with grade C or better,
or consent.*
Studies functions of several variables
including vectors, vector functions, the
calculus on these functions, and 3-dimen-
sional analytic geometry. (*Formerly MATH
231.*)
3cr; 45hr lec, TE 3.00 **(FQ)**

244   Calculus IV
*Prereq: MATH 243 with grade C or better,
or consent.*
Extends the study of functions of several
variables with multiple integrals and vector
analysis. Studies the solutions of elementa-
ry differential equations. (*Formerly MATH
232.*) 3cr; 45hr lec, TE 3.00 **(FQ)**

☙ Microbiology (MICR)

S. Calder, S. Irwin

130   General Microbiology
*Prereq: ENG 100 with grade C or better,
and MATH 82 with grade C or better (or
concurrent) or placement at least MATH
100, or consent.*
Introduces fundamentals of microbiology.
Explains role of microorganisms and how
they affect humans. Emphasizes medical
and public health aspects, bacterial and
viral diseases, and epidemiology.
3cr; 45hr lec, TE 3.00 **(DB)**

140   General Microbiology Lab
Prereq or coreq: MICR 130.
Laboratory to accompany MICR 130.
2cr; 60hr lec-lab, TE 3.33 **(DY)**

♨ Music (MUS)

K. Donaghy

106 Introduction to Music Literature
Treats styles and forms of Western music. Develops skills in listening to and appreciating music. Introduces music styles in their historical and social contexts.
3cr; 45hr lec, TE 3.00 **(DH)**

107 Music in World Cultures
Analyzes folk, popular, and art music from major regions of the world, with emphasis on Asia and the Pacific. Develops a knowledge of representative styles and regional characteristics in world music.
3cr; 45hr lec, TE 3.00 **(FGC)**

108 Music Fundamentals
Recommended coreq: MUS 121C.
Introduces basic musical concepts to enable students to express themselves as budding composers, performers, listeners and teachers. Develops skills in listening to and writing down examples, clapping out rhythms, melodies and chords. *Designed for the beginner with no previous musical training.* 3cr; 45hr lec, TE 3.00 **(DA)**

114 College Chorus
Recommended coreq: MUS 123 or 124.
No previous choral experience required.
Introduces performance of choral literature from the Renaissance to the present. Includes fundamentals of music and voice training. *(May be repeated without limit for credit.)*
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

114H Hawaiian Chorus
Recommended: Previous vocal experience may be helpful.
Introduces basic vocal group performance. Studies ancient to modern Hawaiian songs.
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(HI, DA)**

121B Voice 1
Recommended: Previous musical training.
Introduces principles of voice production as related to problems of voice literature, both technical and interpretive, at an elementary level. *(Formerly MUS 123)*
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

121C Piano 1
Prereq: Must have access to piano or keyboard.
Develops basic keyboard skills established during the first semester, including both reading and playing by ear. Repertoire expands to a variety of styles, including classical, pop, jazz, and rock. *(Cannot be audited.)*
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

121D Guitar 1
Prereq: Guitar in playable condition.
Introduces classroom instruction in guitar playing. Develops basic guitar technique by covering hand positions, fingering, scales, chords, and arpeggios. Teaches music reading. Applies reading skills to performance. Introduces a variety of guitar literature.
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

121F Slack Key Guitar 1
Prereq: Regular access to a steel or nylon string guitar in adequate condition for class use and practice.
Recommended: Prior musical performance experience, preferably with guitar, 'ukulele or a similar stringed instrument.
Examines the history, development, and influential performers of Hawaiian slack key guitar, and introduces repertoire, tunings, and performance techniques that students will demonstrate during in-class and outside performances.
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

121G Hawaiian Steel Guitar 1
Prereq: Regular access to a steel guitar in adequate condition for class use and practice.
Recommended: Prior musical performance experience and an understanding of basic music theory and harmony.
Examines the history, development, and influential performers of Hawaiian steel guitar, and introduces repertoire, tunings, and performance techniques that students will demonstrate during in-class and outside performances.
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

121Z 'Ukulele 1
Recommended: Students must provide their own 'ukulele in good playable condition and have internet access.
Introduces Hawaiian-style ukulele playing. Students learn to play the ukulele through a selection of traditional and contemporary American and Hawaiian songs. An introduction to ukulele history in Hawai`i is included. *No prior experience necessary.*
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

122B Voice 2
Prereq: MUS 121B with grade C or better, or consent. Recommended: Previous musical training.
Develops principles of voice production as related to problems of voice literature, both technical and interpretive, at an elementary level. *(Formerly MUS 124)*
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

122C Piano 2
Prereq: MUS 121C with grade C or better, or consent. Must have access to piano or keyboard.
Develops basic keyboard skills established during the first semester, including both reading and playing by ear. Repertoire expands to a variety of styles, including classical, pop, jazz, and rock. *(Cannot be audited.)*
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

122D Guitar 2
Prereq: MUS 121D, or consent.
Requires a guitar in playable condition.
Investigates further guitar techniques, ensemble and solo playing. Introduces sight reading. Develops skill in interpretation.
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

122G Hawaiian Steel Guitar 2
Prereq: MUS 121G with grade C or better, or consent. Students must own or have regular access to a steel guitar in adequate condition for class use and practice. Recommended: Prior musical performance experience and an understanding of basic music theory and harmony.
Expands the study of performance in melody and vocal accompaniment playing styles demonstrated during in-class and outside performances. Continues the examination of styles of influential Hawaiian steel guitar performers, repertoire, and technique.
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

122Z 'Ukulele 2
Prereq: MUS 121Z with grade C or better, or consent. Students must own or have regular access to an 'ukulele in adequate condition for class use and practice.
Expands 'ukulele performance techniques in ensemble and solo contexts. Further develops skills in interpretation and development of style.
2cr; 15hr lec, 30hr lec-lab, TE 2.14 **(DA)**

132 Applied Hawaiian Music
Prereq: Accepted into the Institute of Hawaiian Music; access to a guitar, 'ukulele, bass guitar, keyboard, or upright bass in acceptable working condition, and bring instrument to each class. If instrument requires electronic amplification, student must bring necessary equipment to each class.
Develops a Hawaiian music repertoire and performance skills. Students will be assigned to a group that will be mentored by faculty and established guest musicians, and will perform both in-class and outside the classroom. *(Letter grade only. May be repeated once for credit.)*
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

167 Evolution of American Popular Music
Traces the history of American popular music, including soul, blues, rhythm and blues, country and western, Dixieland, gospel, folk, and rock.
3cr; 45hr lec, TE 3.00 **(DH)**

176 History and Development of Hawaiian Music
Prereq: HAW 101 and HWST 107, both with a grade C or better, or consent.
Focuses on the history and development of traditional and acculturated vocal and instrumental Hawaiian music. Discusses Hawaiian dance genres related to music. Examines Hawaiian music and dance as an organization of sound and movement and as a product of culture and people. Uses sound recordings, video presentations, and live performances of the various music genres discussed. *(Crosslisted as HWST 176.)*
3cr; 45hr lec, TE 3.00 **(HI, DH)**

180 Basic Theory and Aural Skills
Recommended: MUS 108.
Teaches basic concepts of music theory, notation, and reading applied to dictation and sight-singing. Introduces reading and sight-singing to students with limited skills in music. Develops listening and writing skills necessary to compose music.
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

203 Instrumental Ensemble
Prereq: Consent by audition.
Rehearsal and performance group for instrumentalists. Repertoire ranges from the Renaissance and Baroque to contemporary music, including major works for chorus and opera. *(May be repeated without limit for credit.)*
1cr; 30hr lec-lab, TE 1.67 **(DA)**

221C Piano 3
Prereq: MUS 122C with grade C or better, or consent.
Further develops basic keyboard skills established during the first two semesters, including both reading and playing by ear. Expands repertoire to a variety of styles, including classical, pop, jazz, and rock. Provides experience playing a solo in a recital. *(Formerly MUS 216)*
2cr; 15hr lec, 30hr lec-lab, TE 2.50 **(DA)**

253 Elementary Music in Action
Introduces components of music, specifically time, pitch, media, musical expression, and form. Demonstrates how these interact with each other to comprise a musical experience. Presents correlation between music and brain development in early childhood. *Intended for education majors.*
3cr; 45hr lec, TE 3.00 **(DA)**

271 Intro to Music Technology
Recommended: MUS 108, 121C, or 121D.
Develops an understanding of history and application of electronics in musical composition and performance. Facilitates the creative process in music through the application of technology.
3cr; 45hr lec, TE 3.00 **(DH)**

272 Digital Recording Techniques
Prereq: MUS 271, or consent.
Recommended: MUS 108, 121C, 121D, or ICS 161, or TCOM 261.
Continues MUS 271. Focuses specifically on digital audio recording and processing techniques on the Pro Tools HD platform as they apply to the audio arts and sciences. Explores the roles of engineer and producer in the digital audio studio environment.
3cr; 45hr lec, TE 3.00 **(DH)**

273 Applied Recording and Performance
Prereq: MUS 271 with grade C or better, or consent. Students should be able to play guitar, 'ukulele, bass, keyboard, percussion, or other instrument (at instructor discretion) or sing with elementary ability. Students should own and bring to class their own instrument unless other arrangement is made with instructor.
Collaborate on recording projects, take a variety of roles as musician, producer, and audio engineer according to individual interest. Perform on the musical instrument(s) of the student's choice, including voice, and operate modern audio technology during the recording and mixing of performances.
3cr; 30hr lec, 30hr lec-lab, TE 3.33 **(DA)**

295 Hawaiian Music Capstone
Prereq: MUS 132 and MUS/HWST 176, both with grade C or better, or consent; enrollment is restricted to students accepted into the ASC in Hawaiian Music.
Students must own or have access to a guitar, 'ukulele, bass guitar, keyboard, or upright bass in acceptable working condition, and bring instrument to each class. If instrument requires electronic amplification, student must bring necessary equipment to each class.
Develops a comprehensive Hawaiian music repertoire and advanced performance skills through mentoring with established musicians, regular rehearsals, recording sessions, and public performances. *Student must be available to rehearse, perform, and attend recording sessions outside of normal class hours.*
2cr; 15hr lec, 30hr lec-lab, TE 2.50

☙ Nursing (NURS)
D. Cohen, M. Farmer, K. Hagan, V. Ho, N. Johnson, J. Potter-Dunlop, C. Robell, K. Rose, A. Scharnhorst, F. Sales, C. Williams

12 ARCH: Diseases, Special Diets, Medications
Recommended prereq or coreq: NURS 100.
Prepares the adult residential care home operator to observe the resident for signs and symptoms of common diseases, make medications available, and prepare for special diets. 1cr; 15hr lec, TE 1.00

13 ARCH: Helping Therapies & Behavior Management
Recommended prereq or coreq: NURS 100.
Prepares the adult residential care home operator to assist in the provision of occupational, physical, recreational, and diversional therapy. Identifies the operator's role in fostering mental health and care of the mentally ill and mentally retarded.
1cr; 15hr lec, TE 1.00

14 ARCH: Regulations, Accounts, Community Resources
Recommended prereq or coreq: NURS 100.
Prepares adult residential care home operator to implement specified regulations of Chapter 100, prepare simple accounting records, and identify community resources available to resident operators.
1cr; 15hr lec, TE 1.00

100 Nurse Assistant
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Prepares nurse assistants to care for acute, semi-acute, or convalescent clients in the hospital, long-term care, or home setting. Prepares nurse assistant to work under the supervision of a registered or practical nurse. Serves as a beginning level health care course for those interested in the health care field. Prepares nurse assistants for national certification.
6cr; 60hr lec, 90hr lab, TE 6.20

210 Health Promotion Across the Life Span

Prereq: Admission to the Nursing Program.
Focuses on identifying needs of the total person across the life-span in a wellness/ health promotion model of care. Introduces the role of the nurse, nursing code of ethics, and the nursing process with emphasis on learning self-health and client health practices. To support self and client health practices, students learn to access research evidence about healthy lifestyle patterns and risk factors for disease/illness, apply growth and development theory, interview clients in a culturally sensitive manner, and work as members of a multi-disciplinary team utilizing reflective thinking and self-analysis. Nursing Professional Fee required. *(Letter grade only.)*
9cr; 45hr lec, 270hr lab, TE 13.13

211 Professionalism in Nursing I

Prereq: Admission to the Nursing Program.
Focuses on the history of nursing practice and education. Emphasizes the ethical and legal aspects of nursing and the professional responsibilities in the practice of nursing. *(Letter grade only.)*
1cr; 15hr lec, TE 1.00

212 Pathophysiology

Prereq: Admission to the Nursing Program.
Introduces nursing students to patho-physiologic concepts which serve as a foundation to understanding the basis of illness and injury and their corresponding spectrum of human response. These concepts will serve as a foundation for the formulation of clinical decisions and care planning. *(Letter grade only.)*
3cr; 45hr lec, TE 3.0

220 Health and Illness I

Prereq: NURS 210, 211, and 212, all with grade C or better, or consent.
Introduces assessment and common interventions (including technical skills) for clients with illnesses common across the life span, as well as those prevalent in Hawai'i. The client and family understanding and acceptance of their illnesses, coupled with clinical practice guidelines and evidenced based research, are used to guide clinical judgements in nursing care. Roles of the interdisciplinary team, legal aspects of delegation, cultural issues, ethical issues, health policy, and health care delivery systems are explored in the context of nursing care. Nursing Professional Fee required. *(Letter grade only.)*
10cr; 60hr lec, 270hr lab, TE 13.75

220A Health and Illness I A

Prereq: NURS 210, 211, and 212, all with grade C or better, or consent.
Introduces assessment and common interventions (including technical skills) for clients with illnesses common across the life span, as well as those prevalent in Hawai'i. The client and family's understanding and acceptance of their illnesses, coupled with clinical practice guidelines and evidence-based research, are used to guide clinical judgments in nursing care. Roles of the interdisciplinary team, legal aspects of delegation, cultural issues, ethical issues, health policy, and health care delivery systems are explored in the context of nursing care. Nursing Professional Fee required. *(Letter grade only.)*
5cr; 30hr lec, 135hr lab, TE 6.88

220B Health and Illness I B

Prereq: NURS 220A with grade C or better (or concurrent), or consent.
Introduces assessment and common interventions (including technical skills) for clients with illnesses common across the life span, as well as those prevalent in Hawai'i. The client and family's understanding and acceptance of their illnesses, coupled with clinical practice guidelines and evidence-based research are used to guide clinical judgments in nursing care. Roles of the interdisciplinary team, legal aspects of delegation, cultural issues, ethical issues, health policy, and health care delivery systems are explored in the context of nursing care. Nursing Professional Fee required. *(Letter grade only.)*
5cr; 30hr lec, 135hr lab, TE 6.88

230 Clinical Immersion I

Prereq: NURS 220B with grade C or better.
Focuses on monitoring a variety of subjective and objective data, identifying obvious patterns and deviations, and developing prioritized intervention plans for specific populations. Implements new nursing skills with supervision. Develops own beginning leadership abilities and acknowledges delegation as needed modality to improve client care. Nursing Professional Fee required. *(Letter grade only.)*
4cr; 15hr lec, 135hr lab, TE 6.25

261 Advanced Electro-Cardiogram Interpretation

Prereq: Licensed RN or LPN, or consent.
Develops advanced nursing theory related to interpretation of 12-lead EKG. Focuses on EKG changes that occur with myocardial infraction, axis deviation, artificial pacemaker, defibrillation, and cardioversion. 1cr; 15hr lec, TE 1.00

301 Introduction to Evidence-Base Practice & Health Promotion

Prereq: Registered Nurse Licensure, or consent.
Introduces the Hawai'i Statewide Nursing Consortium (HSNC) competencies and spiraling of concepts and is based on the assumption of student responsibility for learning. Places emphasis on research evidence to support nursing care.
3cr; 45hr lec, TE 3.00

320 Health & Illness II: Family Health

Prereq: NURS 230 with grade B or better.
Introduces the learner to assessment and common interventions (including relevant technical procedures) for care of clients across the lifespan, including pregnancy and childbirth. In this course the family is the client and is viewed in both health and illness. Nursing practice is guided by combinations of family theories and associated assessment tools. Clinical practice guidelines and/or standardized procedures in normal developmental processes of the family and in disease and illness are considered in relationship to their impact on providing culturally sensitive, client-centered care. Nursing Professional Fee required.*(Letter grade only.)*
10cr; 60hr lec, 270hr lab, TE 13.75

360 Health & Illness III

Prereq: NURS 320 with grade B or better.
Builds on Health & Illness I & II, focusing on more complex and/or unstable client care situations some of which require strong recognition skills and rapid decision-making. The evidence base supporting appropriate focused assessment and effective, efficient nursing intervention is explored. Life span and developmental factors, cultural variables, and legal aspects of care frame the ethical decision-making employed in client choices for treatment or palliative care within the acute care, psychiatric, and home health settings. Case scenarios incorporate prioritizing care needs, delegation and supervision, family & client teaching for discharge planning, home health care and/ or end of life care. Nursing Professional Fee required. *(Letter grade only)*
9cr; 45hr lec, 270hr lab, TE 13.13

362 Professionalism in Nursing II

Prereq: NURS 320 with grade B or better.
Focuses on nursing responsibility with regard to current issues in nursing and health care. Included is the nurse's role as a contributing member of the profession and the community. The theoretical basis for designing and implementing systems of nursing at the beginning level of patient management in an institutional setting will be explored. Principles of organizational structure, leadership, decision-making, priority setting, and change will be discussed. *(Letter grade only.)* 1cr; 15hr lec, TE 1.00

363   Introduction to Nursing Research
Prereq: MATH 115 with grade C or better; or AS in Nursing, or consent.
Introduces the research process and provides an understanding of the applicability of the scientific approach to nursing. (*Letter grade only.*) 3cr; 45hr lec, TE 3.00 **(ETH)**

366   Advanced Cardio-Pulmonary Theory
Prereq: NURS 230 with grade B or better, or licensed RN, or consent.
Develops advanced nursing theory related to the care of clients and the support of significant others for clients with cardiopulmonary dysfunction. Focuses on anatomy, physiology and physical assessment of the cardiac and respiratory system. Application of the nursing process to specific cardiac and respiratory disorders. (*Letter grade only.*) 3cr; 45hr lec, TE 3.00

☙ Occupational Safety & Health (OSH)

C. Rutherford

100   First Aid, CPR, and Automated External Defibrillator (AED)
Introduces standard first aid procedures. Describes immediate care given in case of an accident, sudden illness, or other medical emergency. Explains procedures to stop bleeding, treat poisoning, restore breathing, immobilize broken bones, and administer CPR. Successful students will receive a certificate for Adult First Aid/CPR/AED valid for two years. (*Formerly HLTH 31*)
1cr; 15hr lec, TE 1.00

110   Occupational Safety & Health for Construction
Introduces construction industry workers to their rights employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards. Students will receive OSHA 10 Hour Training for Construction card upon completion of this course with grade C or better. (*Formerly OSH 10*)
1cr; 15hr lec, TE 1.00

120   Occupational Safety & Health for General Industry
Introduces general industry workers to their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards. Students will receive OSHA 10 Hour Training for General Industry card upon completion of this course with grade C or better. (*Formerly OSH 20*)
1cr; 15hr lec, TE 1.00

☙ Oceanography (OCN)

64   Hawaiian Marine Life Identification
Recommended: Enrollment in Marine Option Program.
Teaches field identification of fishes, invertebrates, and marine algae. Studies ecology of coral reef species. Requires memorization of scientific names. Practices identification in the classroom and in the ocean for field research purposes. *Course does not fulfill Natural Science core requirements. This course does fulfill requirements for acceptance into Quantitative Underwater Ecological Surveying Techniques (QUEST).*
3cr; 45hr lec, TE 3.00

101   Intro to Marine Option Program
Explores the University of Hawai'i system wide Marine Option Program through HITS interactive television, discussions, and field trips. *Course does not fulfill Natural Science core requirements.*
1cr; 15hr lec, TE 1.00

140   Open Water SCUBA Certification
Covers the full spectrum of diving activities. Discusses equipment and its maintenance, dive physiology and physics, safety procedures, dive planning, dive tables, and environmental conditions. Teaches skills for safe diving by means of classroom lectures and open-water sessions, including seven ocean dives. Students successfully completing the course receive an Open Water Certification card from an internationally recognized SCUBA training organization. *Total cost of $145 includes equipment rental, textbook, workbook, diving logbook and tables, and certification. (Credit/No-Credit only.)* 2cr; 48hr/semester

191v   Field Experience in Marine Naturalist Training
Prereq: Enrollment in Certificate of Competence Marine Naturalist I or II program or Marine Option Program, or consent.
Provides internship experiences in marine-related agencies and businesses. *Does not fulfill Natural Science core requirement. (May be repeated for a maximum of 9 credits.)* 1-3cr; 1-3hr lect/lab

201   Science of the Sea
Prereq: ENG 22 with grade C or better or placement at ENG 100, and MATH 75X with grade C or better or placement at least MATH 82, or consent.
Introduces basic concepts of geological, physical, chemical, and biological oceanography. Emphasizes relationships between land-based and marine-based sciences.
3cr; 45hr lec, TE 3.00 **(DP)**

201L   Science of the Sea Lab
Prereq: OCN 201 with grade C or better (or concurrent); and MATH 82 with grade C or better, or placement at least MATH 100, or consent.
Introduces instrumentation and methods used in oceanographic observations and research. Demonstrates oceanographic principles through laboratory and field data collection and analysis.
1cr; 45hr lab, TE 2.50 **(DY)**

270   Communicating Ocean Sciences
Prereq: OCN 201 or ZOOL 200, either with grade C or better, or enrollment in Marine Option Program, or consent.
Combines instruction on effective ways of communicating scientific knowledge with direct experiences in K-12 classrooms or informal education sites. Emphasizes and demonstrates inquiry-based teaching methods and learning pedagogy.
3cr; 45hr lec, TE 3.00

293v   Ocean Internships & Research
Prereq: Enrolled in Marine Option Program. Prereq or coreq: OCN 201 and ZOOL 200.
With faculty guidance, students design and carry out marine-related internships, practical research projects, or field experiences on or off campus. *This course does not fulfill Natural Science core requirements. (May be repeated for a maximum of 9 credits.)*
1-3cr; 1-3hr lect or lab

351   Coastal Methods and Analysis
Prereq: OCN 201, OCN 201L, ZOOL 200, ZOOL 200L, and MATH 115, all with grade C or better; or consent. Recommended: CHEM 161 and 161L.
Includes planning of field and laboratory data collection and experimentation in the coastal environment. Covers hypothesis development, experimental design, statistical analysis of data, data interpretation, scientific writing, and presentations.
2cr; 30hr lec, TE 2.00 **(DP)**

351L   Coastal Methods & Analysis Lab
Prereq: OCN 201, OCN 201L, ZOOL 200, ZOOL 200L, and MATH 115, all with grade C or better; or consent. Coreq:OCN 351.Recommended: CHEM 161 and 161L.
Laboratory to accompany OCN 351.
1cr; 45hr lab, TE 2.50 **(DY)**

⚕ Pacific Island Studies (PACS)

108 Pacific Worlds: Introduction to Pacific Island Studies
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Introduces students to the geography, societies, histories, cultures, contemporary issues, and the arts of Oceania, including Hawai'i. Combines lecture and discussion that emphasizes Pacific Islander perspectives and experiences.
3cr; 45hr lec, TE 3.00 **(HI, DS)**

⚕ Pharmacology (PHRM)
A. Scharnhorst

105 Administration of Medications
Prereq or coreq: PHRM 107 with grade C or better, or consent.
Recommended: NURS 100 with grade C or better.
Applies basic concepts required for medication administration as a delegated task in community-based settings such as assisted living, day care, or care homes. Includes choice of equipment, proper technique, hazards, complications, and patient care. Includes subcutaneous and intradermal injections, preparation and administration of oral medications, and immunizations.
1cr; 15hr lec, TE 1.00

106 Introduction to Pharmacy Technology
Prereq: BIOL 100, and BUSN 189 or at least MATH 75X with grade C or better, or consent.
Introduces students to the role and responsibilities of the pharmacy technician in the current health care environment. Describes basic pharmacy functions in retail, institutional, home health, and ambulatory care settings. *(Letter grade only.)*
3cr; 45hr lec, TE 3.00

107 Pharmacology and Treatment of Diseases
Prereq: BIOL 100 with grade C or better, or consent.
Introduces basic pharmacological concepts and pharmacological treatment of common disease states. Discusses selected drug classifications with emphasis on pharmacokinetics and dynamics and mechanisms of action. Focuses on therapeutic effects of specific groups of drugs, their side effects, interactions, adverse reactions, and drug/food interactions. Addresses the role drugs play in the prevention, diagnosis, and treatment of disease. *(Letter grade only.)*
3cr; 45hr lec, TE 3.00

109 Pharmacology Calculations
Prereq: MATH 75X with grade C or better, or placement at least MATH 82, or consent.
Recommended: PHRM 106 with grade C or better (or concurrent).
Develops computational skills for pharmaceutical measurements in order to properly calculate and provide the correct oral and parenteral dosages of drugs using information from prescriptions or medication orders. *(Letter grade only.)*
1cr; 15hr lec, TE 1.00

192v Work Practicum
Prereq: PHRM 106, 107, and 109, all with grade C or better.
Builds clinical skills as a Pharmacy Technician and prepares students for the national Pharmacy Technician Certification Examination. Provides students a hands-on work experience in a retail community pharmacy or institutional/hospital pharmacy under the supervision of a licensed Pharmacist preceptor. Provides opportunity to discuss and critique work experience in the pharmacy while completing a directed study program designed to assist students in preparing for the certification exam under direction of a Certified Pharmacy Technician (Instructor). *(Credit/No Credit only.)*
2cr; 15hr lect, 45hr lab, TE 3.33

203 General Pharmacology
Prereq: PHYL 141 and 141L, or BIOL 141 (HawCC), or BIOL 243 (UH-Hilo), or ZOOL 240 (LCC), or consent.
Discusses drugs with emphasis on sites and mechanism of action, toxicity, fate, and uses of major therapeutic agents.
3cr; 45hr lec, TE 3.00 **(DB)**

⚕ Philosophy (PHIL)
B. Clark

100 Introduction to Philosophy: Survey of Problems
Introduces the great philosophical issues, theories, and controversies.
3cr; 45hr lec, TE 3.00 **(DH)**

102 Introduction to Philosophy: Asian Traditions
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Explores universal philosophical themes and problems from the Asian perspective. Focuses on Indian, Chinese, and Japanese traditions. 3cr; 45hr lec, TE 3.00 **(DH)**

109 Reasoning and Critical Thinking
Recommended: ENG 100, and either ENG 102 or 210.
Studies informal logic, practical reasoning, argument, and the use and misuse of language. Emphasizes the development of critical thinking skills.
3cr; 45hr lec, TE 3.00 **(DH)**

110 Introduction to Logic
Prereq: ENG 100 with grade C or better, or consent.
Develops the basic technique of logical analysis. Emphasizes symbolic logic, truth, validity, formal and informal fallacies. Examines inductive and deductive reasoning, and the criteria of evidence for reliable beliefs. *Students who seek to apply PHIL 110 to fulfill the AA up to the 2007 catalog (and appropriate AS and AAS) degree requirements in Quantitative Reasoning must place into at least MATH 100.*
3cr; 45hr lec, TE 3.00

301 Ethical Theory
Prereq: ENG 100, and ENG 210 or 316 or PHIL 100, 101, 102, or 110, both with grade C or better, or consent.
Investigates problems and methods in theory of moral conduct and decision-making. Discusses primary source materials, meta-ethics, and normative theories as well as applied ethics.
3cr; 45hr lec, TE 3.00 **(DH, ETH)**

323 Professional Ethics
Prereq: ENG 100, or consent.
Examines major ethical theories and principles relevant to decision-making in professional situations. Includes experiential and self reflective methodologies as well as theoretical perspectives.
3cr; 45hr lec, TE 3.00 **(DH)**

⚕ Physiology (PHYL)
S. Calder, T. Niemi

141 Human Anatomy & Physiology I
Prereq: BIOL 100, ZOOL 101, BIOC 241 →141 (, BIOL 101, SCI 121, or high school biology, any with grade B or better; and ENG 22 with grade C or better or placement at ENG 100, or consent.
Covers anatomy, physiology, and biochemistry of humans including terminology, cell structure, tissues, skin, and the skeletal, muscular, and nervous systems. *(Formerly ZOOL 141.)*
3cr; 45hr lec, TE 3.00 **(DB)**

141L Human Anatomy & Physiology I Lab
Prereq: BIOL 100, ZOOL 101, BIOC 241 →141 , BIOL 101, SCI 121, or high school Advanced Placement biology, any with grade B or better; and placement at ENG 100; or consent. Coreq: PHYL 141.
Laboratory to accompany PHYL 141. *(Formerly ZOOL 141L.)*
1cr ; 45hr lab, TE 2.50 **(DY)**

142 Human Anatomy & Physiology II
Prereq: PHYL 141, or consent.
Covers anatomy, physiology, and biochemistry of humans including metabolism, genetics, and the cardiovascular, respiratory, digestive, excretory, endocrine, and reproductive systems. *(Formerly ZOOL 142.)*
3cr; 45hr lec, TE 3.00 **(DB)**

142L Human Anatomy & Physiology II Lab
Prereq: PHYL 141, or consent.
Coreq: PHYL 142.
Lab to accompany PHYL 142. *(Formerly ZOOL 142L.)*
1cr; 45hr lab, TE 2.50 **(DY)**

☙ Physics (PHYS)

B. Rai

101 Technical Automotive Physics
Prereq: QM 107C with grade C or better, or consent.
Introduces Newton's laws of motion, physical work and energy, fluids, heat, electric circuits, and transformers with emphasis on practical applications and laboratory exercises involving the principles of physics as related to automotive and mechanical trades. 3cr; 45hr lec, TE 3.00

105 Principles of Technology
Prereq: MATH 119 with grade C or better, or consent.
Introduces students to the fundamental theories and problem solving methods of physics as they relate to electronics & computer engineering technology. The content of the course includes mechanical motion, conservation laws, work-energy theorem, and thermodynamics. Emphasizes electromagnetic theory and its applications to electronics, electric circuits, and optics. Students are also introduced to basic atomic and nuclear theories.
3cr; 45hr lec, TE 3.00 **(DP)**

105L Principles of Technology Lab
Prereq: MATH 119 with grade C or better, or consent. Coreq: PHYS 105.
Lab to accompany PHYS 105.
1cr; 45hr lab, TE 2.50 **(DY)**

151 College Physics I
Prereq: MATH 140, or placement at least MATH 241
Presents fundamental theories and problem solving methods in mechanics, heat, and sound. Emphasizes applications of physical principles. Introduces experimental methods in mechanics, heat, and sound. 3cr; 45hr lec, TE 3.00 **(DP)**

151L College Physics I Lab
Prereq: MATH 140, or placement at least MATH 241.
Coreq: PHYS 151.
Lab to accompany PHYS 151.
1cr; 45hr lab, TE 2.50 **(DY)**

152 College Physics II
Prereq: PHYS 151.
Discusses electricity, magnetism, optics, and modern physics. Introduces experimental methods in electricity, magnetism, and optics. *The second of a two-semester course in college physics.*
3cr; 45hr lec, TE 3.00 **(DP)**

152L College Physics II Lab
Prereq: PHYS 151. Coreq: PHYS 152.
Lab to accompany PHYS 152.
1cr; 45hr lab, TE 2.50 **(DY)**

170 General Physics I
Prereq: MATH 241 (or concurrent).
Presents fundamental principles in classical mechanics, thermodynamics and wave motion. Emphasizes the mathematical techniques used in the explanation of physical phenomena. Introduces experimental methods in mechanics, heat, and sound with the emphasis on error analysis, measurement techniques, and report writing. *For students majoring in the physical sciences, engineering, or mathematics.*
4cr; 60hr lec, TE 4.00 **(DP)**

170L General Physics I Lab
Prereq: MATH 241(or concurrent).
Coreq: PHYS 170.
Lab to accompany PHYS 170.
1cr; 45hr lab, TE 2.50 **(DY)**

219 Physics for Engineering Technology
Prereq: Admission to ENGT program; PHYS 105 and MATH 241, both with grade C or better; or consent.
Applies graphical simulations, computational analysis, and computer modeling in the study of electromagnetic systems. Studies electric charges and electromagnetic field theory. Investigates Maxwell's equations by utilizing applied graphical simulations and computational analysis. Includes hands-on exercises and inquiries using scientific method of experimentation, emphasizing applications in engineering technology. 2cr; 30hr lec, TE 2.00 **(DP)**

219L Physics for Engineering Technology Lab
Prereq: Admission to ENGT program; PHYS 105 and MATH 241, both with grade C or better; or consent.
Coreq: PHYS 219.
Lab to accompany PHYS 219.
1cr; 45hr lab, TE 2.50 **(DY)**

272 General Physics II
Prereq: PHYS 170 with grade C or better, and MATH 242 (or concurrent).
Presents fundamental principles in electricity, magnetism, and geometrical optics. Introduces experimental methods in electricity, magnetism, electronics, and optics with emphasis on error analysis, measurement techniques, and report writing. *For students majoring in the physical sciences, engineering, or mathematics.*
3cr; 45hr lec, TE 3.00 **(DP)**

272L General Physics II Lab
Prereq: PHYS 170 with grade C or better, and MATH 242 (or concurrent).
Coreq: PHYS 272.
Lab to accompany PHYS 272.
1cr; 45hr lab, TE 2.50 **(DY)**

☙ Political Science (POLS)

110 Introduction to Political Science
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Studies political institutions, systems, behavior, and issues. Analyzes American national government. Includes study of presidency, interest groups, elections, and general theories of the American political system. 3cr; 45hr lec, TE 3.00 **(DS)**

180 Intro to Hawaiian Politics
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Examines contemporary Hawai'i political institutions, processes, issues, and personalities at the State and County levels, Hawai'i's place in the national and international political arenas, and the future of politics in Hawai'i. Emphasis is placed on citizen roles and responsibilities in local politics. 3cr; 45hr lec, TE 3.00 **(HI, DS)**

☙ Psychology (PSY)

R. Azman, P. Thornton

100 Survey of Psychology
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Surveys the major areas in the field of psychology. Analyzes the major perspectives in the field and how these perspectives apply to human behavior. Studies memory, learning, personality, therapy, and abnormal behavior.
3cr; 45hr lec, TE 3.00 **(DS)**

170 Psychology of Adjustment
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Explores the application of psychology to the understanding, management, and enhancement of one's life.
3cr; 45hr lec, TE 3.00 **(DS)**

202 Psychology of Gender
Prereq: PSY 100 with grade C or better, or consent. Recommended: ENG 100 with grade C or better.
Surveys topics in psychology relevant to gender and its impact on the lives of women and men: socialization of gender, mental health, racial identity, majority-minority status, sexual orientation, life-span issues and violence. 3cr; 45hr lec, TE 3.00 **(DS)**

212 Survey of Research Methods
Prereq: PSY 100 with grade C or better; and ENG 22 with grade C or better or placement at ENG 100; and MATH 75X with grade C or better or placement at least MATH 82; or consent.
Provides an overview of research design strategies used in psychological research. It covers the basic descriptive statistics and concepts within inferential statistics that are necessary for appreciation and comprehension of research findings. The course presents the student with the fundamentals of research that all psychology majors should know. Emphasis is placed on the critical evaluation of psychological research. 3cr; 45hr lec, TE 3.00 **(DS)**

225 Statistical Techniques
Prereq: PSY 100 and MATH 100, 103, 115 or higher, both with grade C or better, or consent.
Uses statistical reasoning in the analysis of psychology data. Topics covered include descriptive statistics, probability, hypothesis testing, test for independent and dependent measures, analysis of variance, correlation and regression, and nonparametric measures. *(Formerly PSY 213.)*
3cr; 45hr lec, TE 3.00 **(DS)**

240 Developmental Psychology
Prereq: PSY 100 with grade C or better, or consent. Recommended: ENG 100 with grade C or better.
Examines the principle features of each life stage from prenatal through aging and death. Considers emotional, cognitive, physical, and social development at each stage. 3cr; 45hr lec, TE 3.00 **(DS)**

250 Social Psychology
Prereq: PSY 100 with grade C or better, or consent. Recommended: ENG 100 with grade C or better.
Surveys the major theories, research methods, and applications of social psychology, the scientific study of the way in which people's thoughts, feelings, and behaviors are influenced by others. Topics may include social perception and cognition, the self, attitudes and attitude change, conformity, group processes, interpersonal attraction, altruism, aggression, and prejudice. 3cr; 45hr lec, TE 3.00 **(DS)**

253 Conflict Resolution & Mediation
Prereq: PSY 100 or BUS/COM 130 or COM 145, any with grade C or better, or consent. Recommended: ENG 100 with grade C or better.
Explores the reasons for conflict and the different approaches for seeking resolution for conflict. Studies personal and societal value systems, the psychology of how people respond to conflict, the impact of culture on conflict styles, communication skills useful in dealing with conflict, and alternative resolution strategies. Practices mediation skills as a third party intervention method. *(Crosslisted as COM 215.)*
3cr; 45hr lec, TE 3.00 **(DS)**

260 Psychology of Personality
Prereq: PSY 100 with grade C or better, or consent. Recommended: ENG 100 with grade C or better.
Surveys major theoretical approaches to the scientific study of personality. Topics include development, assessment, change, and cultural-social determinants, current research issues are emphasized.
3cr; 45hr lec, TE 3.00 **(DS)**

352 Psychology of Human Sexuality
Prereq: PSY 100 and ENG 100, both with grade C or better, or consent. Recommended: PSY 250.
Psychosocial aspects of human sexual relationships. Social psychology of emotional and physiological arousal, interpersonal attraction, and societal regulation of intimate relationships. *(Formerly PSY 251.)*
3cr; 45hr lec, TE 3.00 **(DS)**

353 Conflict Management & Resolution
Prereq: Either PSY 100 or SOC 100 with grade C or better, and one (with grade C or better): BUS/COM 130, COM 145, COM 210, or PSY 253/COM 215; or consent.
Examines human communication in relational conflict. Analyzes the relationships among personal history, culture, gender, power, and communication. Applies practices of Alternative Dispute Resolution (ADR) processes in assessing and intervening in conflict situations using mediation and negotiation techniques in both personal and professional contexts. Includes Western, Eastern, and Hawaiian approaches to conflict management and resolution. *(Crosslisted as COM 353)*
3cr; 45hr lec, TE 3.00 **(DS)**

☙ Quantitative Methods (QM)

D. Harbin

107C Quantitative Methods in Automotive Technology
Prereq: MATH 75X with a grade of C or better or placement at least MATH 82, and ENG 19 with grade C or better or placement at least ENG 22, or consent.
Applies the quantitative methods, reasoning, and applications necessary to perform tasks and solve problems encountered by automotive technologists. Quantitative methods covered include computational operations; ratio, proportion, and percent; statistics and probability; and trigonometry. Applications include major automotive systems such as engines, drive train, chassis, and suspension. *(Designed for AMT degree and certificates, but does not satisfy FS requirement for AA degrees.)*
3cr; 45hr lec, TE 3.00

☙ Religion (REL)

B. Clark

150 Intro to the World's Major Religions
Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.
Introduces basic elements of the world's major religions: Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Emphasizes themes in the great Asian traditions.
3cr; 45hr lec, TE 3.00 **(FGC**

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☙ Science (SCI)
S. Calder, S. Irwin

114   Introduction to Scientific Method and Laboratory
Prereq: Admitted to the UH Upward Bound Math Science (UBMS) summer program.
Exposes students to the scientific method and reasoning through an intensive summer experience for Upward Bound high school participants rooted in Problem-based Learning (PBL) focused on a real-world STEM-Industry partner problem following the scientific method. Infuses a primarily PBL experience with a local STEM-Industry partner question to catalyze learning. Introduces logic, problem-solving, evaluation process, lab methods, literature review, and technical writing. *(May be repeated twice for credit.)*
3cr; 15hr lec, 60hr lec-lab, TE 4.17 **(DP)**

121   Introduction to Science: Biological Science
Prereq: ENG 22 with grade C or better, or placement at ENG 100.
Introduces characteristics of science, historical development of scientific concepts, and interactions of society with science, illustrated by topics from biological sciences. *(Crosslisted as BIOL 101.)*
3cr; 45hr lec, TE 3.00 **(DB)**

121L   Introduction to Science: Biological Science Lab
Prereq: ENG 22 with grade C or better, or placement at ENG 100. Coreq: SCI 121.
Lab to accompany SCI 121.*(Crosslisted as BIOL 101L)* 1cr; 45hr lab, TE 2.50 **(DY)**

122   Intro to Science: Physical Science
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. Recommended: MATH 75X with grade C or better, or placement at least MATH 82.
Introduces characteristics of science, historical development of scientific concepts, and interactions of society with science, illustrated by topics from physical sciences.
3cr; 45hr lec, TE 3.00 **(DP)**

122L   Intro to Science: Physical Science Lab
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. Recommended: MATH 75X with grade C or better, or placement at least MATH 82. Coreq: SCI 122.
Lab to accompany SCI 122 .
1cr; 45hr lab, TE 2.50 **(DY)**

165L   Introduction to Science Laboratory Techniques
Prereq: BIOL 101 with grade C or better, and MATH 82 with grade C or better or placement at least MATH 100, or consent. Recommended: CHEM 151 and 151L.
Introduces students to lab safety and record keeping, scientific measurements, scientific instrumentation, solution chemistry, media preparation, basic cell biology, microbial biochemistry, and water quality testing and analysis.
1cr; 45hr, TE 2.50 **(DY)**

214   Problem-based Learning in STEM
Prereq: DOE STEM teacher, or consent.
Exposes student to the idea of Problem-based learning (PBL): an instructional approach that has been used successfully for over 30 years, and continues to gain acceptance in multiple disciplines. Trains and prepares STEM teachers to adopt and/or design a curriculum using PBL. Consists of two face-to-face sessions team-taught by a group of STEM faculty at the University of Hawaiʻi Maui College.
3cr; 15hr lec, 60hr lec-lab, TE 4.17

265L   Environmental Testing Lab
Prereq: SCI 165L with grade C or better, or consent. Recommended: ENG 100 and MATH 103.
Introduces students to water quality regulations and monitoring procedures as it applies to the ocean, streams, and agriculture. Develop an understanding for the major water quality parameters, and why they are important to environmental and human health. Learn how to collect, prepare, and run environmental samples for laboratory analysis. 1cr; 45hr, TE 2.50 **(DY)**

295v   STEM Research Experience
Prereq: Instructor consent. Recommended: Completion of a lab science course as stipulated by the instructor.
Offers a research experience in science, technology, engineering and/or mathematics, emphasizing the application of the scientific method to a specific project. (May be repeated for a maximum of 6 credits.) *(Letter grade only.)*
1-3 cr; 45hr/cr, 0.2 TE per student **(DY)**

Social Work (SW)
S. LeGare

SW 200   The Field of Social Work
Prereq: ENG 100 with grade C or better, or consent.
Recommended: HSER 110.
Orientation to the profession of social work; historical development, values and philosophy, scope and aims. 3cr., 45hr. lec. TE 3.00 **(DS)**

☙ Sociology (SOC)
R. Daniels

100   Survey of General Sociology
Introduces study of basic social relationships. Treats socialization, concept of culture, social stratification, prejudice, cultural change, and trends in modern society.
3cr; 45hr lec, TE 3.00 **(DS)**

215   Sociology Through Film
Explores sociological concepts and issues through film as a visual text. Highlights the role of cinema as a means of socialization and provides a lens to view culture and the social world.
3cr; 45hr lec, TE 3.00 **(DS)**

218   Introduction to Social Problems
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Discusses and analyzes a number of modern social problems. Evaluates proposed solutions to problems.
3cr; 45hr lec, TE 3.00 **(DS)**

231   Introduction to Juvenile Delinquency
Studies principles and procedures of arrest, detention, petition, summons, records, and adjudication of juvenile offenders. Introduces organization and function of the police juvenile unit, community diversion practices, and organization of Family Court. Reviews Hawaiʻi statutes and United States Supreme Court decisions affecting juvenile rights of due process. Considers societal context of juvenile problems, delinquency prevention, and treatment. *(Crosslisted as AJ 210.)*
3cr; 45hr lec, TE 3.00 **(DS)**

251   Introduction to Sociology of the Family
Analyzes family patterns, mate selection, parent-child interaction, socialization of roles, functions, family trends, and a cross-cultural look at the contemporary family.
3cr; 45hr lec, TE 3.00 **(DS)**

❦ Spanish (SPAN)

101 Elementary Spanish I
Introduces speaking, listening, reading, and writing skills of basic Spanish. Includes basic sentence structures. *Designed for students with little or no Spanish background.* 4cr; 60hr lec, TE 4.00

102 Elementary Spanish II
Prereq: SPAN 101, or consent.
Continues SPAN 101. Introduces additional verb tenses and continues to expand Spanish speaking, listening, reading, and writing. 4cr; 60hr lec, TE 4.00

180v Spanish-English Language Exchange
Prereq: SPAN 102 or consent.
Provides opportunities for students to engage in authentic conversation with native speakers of Spanish for the purpose of improving speaking and listening skills. Expands students' multicultural awareness through facilitated interaction with native speakers from a variety of countries, selected readings and reflective writings. 1-2cr; 1hr. lect/cr **(DH)**

201 Intermediate Spanish I
Prereq: SPAN 102, or consent.
Second level course in Spanish listening, reading, speaking, and writing. Introduces more advanced patterns and vocabulary words. Introduces basic literature. 3cr; 45hr lec, TE 3.00

202 Intermediate Spanish II
Prereq: SPAN 201, or consent.
Continues SPAN 201. Completes introduction of major grammatical patterns of standard Spanish in reading, listening, writing, and speaking. Continues to explore different literary forms. 3cr; 45hr lec, TE 3.00

272 Hispanic Culture
Prereq: SPAN 201 with grade C or better, or consent.
Acquaints students with a variety of Hispanic countries and their culture, using film, short story, poetry, CD-ROM, and guest speakers. Uses previously acquired Spanish language skills to explore and appreciate Hispanic culture. *Taught in Spanish and English.* 3cr; 45hr lec, TE 3.00

❦ Speech (SP)
R. St. John

151 Personal & Public Speech
Recommended: Placement at ENG 100.
Introduces the major elements of speech. Develops competence in two-person, small group, and public speaking situations. 3cr; 45hr lec, TE 3.00 **(DA)**

251 Principles of Effective Public Speaking
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. Recommended: ENG 100.
Develops speech composition and delivery skills by providing extensive practice in preparing and presenting effective public speeches. Emphasizes critical thinking, clear reasoning, appropriate support, organization, outlining, audience analysis, and lively delivery skills.
3cr; 45hr lec, TE 3.00 **(DA)**

❦ Sustainable Science Management (SSM)
T. Botkin, M. Jones

101 Sustainability in a Changing World
Prereq: ENG 19 with grade C or better or placement at least ENG 22, and at MATH 75X with grade C or better or placement at least MATH 82, or consent.
Identifies sustainability concepts which have become evident from early human movement toward Industrialization in the 1500s to present. Examines diverse approaches in resource use including water, energy, waste, land use, economies, and oceans. Introduces fundamental systems approaches to recognize interconnections and ramifications of practices. Identifies global sustainability issues and uses Hawai'i and island case studies as a means of better understanding their applied relevance. 3cr; 45hr lec, TE 3.00 **(FGB)**

201 Sustainable Building Design
Prereq: SSM 101 with grade C or better, or consent.
Examines principles of green building, design and operations; including site planning and zoning, construction practices, energy efficiency, economics of green building, benefits and barriers, and the LEED rating system.
3cr; 45hr lec, TE 3.00 **(DP)**

202 Sustainable Island Communities
Prereq: SSM 101, HWST 107, HWST 207, or HIST 284, any with grade C or better, or consent.
Introduces concepts of sustainability on islands, specifically Hawai'i. Examines unique aspects of islands as related to sustainable management of limited resources, including land use planning, waste management, water, sustainable tourism, renewable energy resources, and natural resource management. Compares island communities to sustainable urban environments. 3cr; 45hr lec, TE 3.00 **(DP)**

275 Basic Energy Production
Prereq: SSM 101 and ENG 100, both with grade C or better, and MATH 103 with grade C or better or placement at least MATH 135, or consent.
Introduces basic energy concepts including gravitational and kinetic energy, heat, electromagnetism, chemical energy and the transducers used to convert from one form of energy to another. Transitions from the electric power grid to integrating renewable energy sources into contemporary grids and distributed systems.
3cr; 45hr lec, TE 3.00 **(DP)**

301 Sustainable Assessments and Indicators
Prereq: SSM 202, MATH 115, and MATH 135, all with grade C or better, or consent.
Examines methods of assessing sustainability and distinguishing marketing claims from actual progress. Studies triple bottom line, cradle to cradle/grave, carbon neutrality, and carbon footprint; as well as life cycle assessment, energy analysis, and sustainability indicators that customize data collection and analysis. Final project develops a business case, adding indicators to demonstrate its integrity.
3cr; 45hr lec, TE 3.00 **(DS)**

302 Environmental Health
Prereq: SSM 202, BIOL 171/171L, CHEM 151 or 161/161L, and MATH 135, all with grade C or better, or consent.
Evaluates the impact that chemical, physical, and biological agents have on environmental ecosystems. Examines how political, economic, and demographic diversity affects the natural environment with particular emphasis on island settings.
3cr; 45hr lec, TE 3.00 **(DB)**

375   Renewable Energy Conversions and Processes

Prereq: SSM 201, SSM 275, and MATH 135, and either CHEM 151 or 161/161L, all with grade C or better, or consent.
Recommended: MATH 203 or 241.
Analyzes and demonstrates technologies and processes for the conversion of energy sources to power. Examines conventional fossil fuels and turbines, solar photovoltaic cells, wind turbines, wave technology, tidal technology, small and large scale hydro power technology, bio-mass, bio-fuel, waste to energy, and fuel cell technology.
3cr; 45hr lec, TE 3.00 **(DP)**

384   Sustaining the Globalized Ocean

Prereq: SSM 202 and ZOOL 200, both with grade C or better, or consent.
Recommended: ENG 210 or ENG 225.
Examines the oceans as a life support system and the factors that increase pressure on marine sustainability. Explores the interactions between the marine environment and the economic, social, cultural and political features inherent to that system. Analyzes the effectiveness of the regulations and policies in place to ensure sustainable development in ocean environments. 3cr; 45hr lec, TE 3.00 **(DB)**

392v   Sustainable Science Management Internship

Prereq: SSM major and at least one SSM upper division course with grade C or better.
Applies skills to workplace in an occupation within the student's area of interest in sustainable science management. Provides practical experience to develop knowledge and skills in the application of theory to actual problems in a non-classroom setting. Develops employment skills in the sustainable science management areas of energy, renewable energy, energy management, waste management, water and wastewater, policy, and related fields. Prepares students for the senior capstone project. *(May be repeated for a maximum of 6 credits.)*
1-3cr; seminar 1.25hrs/wk, documented field experience minimum 75hrs/cr (e.g., 1cr-75hrs, 2cr-150hrs, 3cr-225hrs)

401   Environmental Law, Policy, and Justice

Prereq: SSM 301, COM 215/PSY 253, and ENG 209, all with grade C or better; or consent.
Recommended: BLAW 200.
Introduces legal and policy issues of environmental protection and decision-making. Explores the history, processes, and politics in the formulation and implementation of U.S. federal, state, and local environmental policies. 3cr; 45hr lec, TE 3.00 **(DS)**

402   Water Resources Management

Prereq: SSM 202, BIOL 171/171L, CHEM 151 or 161/161L, and MATH 135, all with grade C or better, or consent.
Examines typical means of managing freshwater resources with emphasis on island water and wastewater management techniques. Introduces water quality techniques and parameters as well as advanced wastewater treatment processes. Discovers principles of sustainability from hydraulics, hydrology, and distribution systems. Discusses water reuse and recycling practices on Maui. 3cr; 45hr lec, TE 3.00 **(DP)**

403   Renewable Energy Integration

Prereq: SSM 301, SSM 375, MGT 310, and MATH 203 or MATH 241, all with grade C or better; or consent.
Analyzes and describes issues for integrating renewable energy onto a grid structure, the fundamentals of a smart grid, and energy storage technologies. Instructs students how to use software tools applicable to smart grid operation and maintenance. Explores different electrical energy storage technologies and their feasibility for intended applications.
3cr; 45hr lec, TE 3.00 **(DP)**

422   Sustainable Systems Thinking

Prereq: SSM 301, ENG 316, and MATH 135, all with grade C or better, or consent.
Recommended: MATH 203 or MATH 241.
Explores the theory and application of established systems thinking practices, models and programs, as applied historically and in a sustainability context. Examines complex, multi-discipline problems and proposed solutions in real world scenarios. Develops skills using modeling software for tracking, illustrating, and verifying systems analysis.
3cr; 45hr lec, TE 3.00

495   SSM Capstone I

Prereq: SSM 301, 302, 375, 401, 402, MGT 322, and ENG 316, all with grade C or better, or consent.
Provides an opportunity to demonstrate the techniques and understanding developed throughout the BAS Sustainable Science Management program in a final project. Includes energy auditing, computational analysis, sustainable strategic planning and financial assessment, water and resource conservation, impacts to human and ecosystem health, land use and transportation, policy and regulatory analysis, and social equity and ethical considerations. 3cr; 45hr lec, TE 3.00

496   SSM Capstone II

Prereq: SSM 495 with grade C or better, or consent.
Provides an opportunity to demonstrate the techniques and understanding developed throughout the BAS Sustainable Science Management program in a final project. Includes energy auditing, computational analysis, sustainable strategic planning and financial assessment, water and resource conservation, impacts to human and ecosystem health, land use and transportation, policy and regulatory analysis, and social equity and ethical consideration.
3cr; 45hr lec, TE 3.00

⚘ Telecommunications (TCOM)

261   Introduction to Studio Production

Recommended: ENG 22 with grade C or better or placement at ENG 100, or consent.
Introduces the student to the world of TV studio production. Designed to give a working knowledge of video as it is utilized in broadcasting, cable operations, corporations, education, and independent production. Emphasizes video as a profession, video communications, and the proper use and understanding of studio equipment.
3cr; 90hr lec-lab, TE 5.00 **(DA)**

⚘ Theatre (THEA)

101   Intro to Drama and Theatre

Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Treats representative plays from Aeschylus' *Agamemnon* to Miller's *Death of a Salesman* as illustrative studies of changing forms in the theatre and dramatic literature. *(Formerly DRAM 101.)*
3cr; 45hr lec, TE 3.00 **(DA)**

221   Acting 1

Provides individual exercises and group rehearsals of beginning acting. Emphasizes voice, movement, and relaxation. Students must perform in direction of class scenes. *(Formerly DRAM 221.)*
3cr; 45hr lec, TE 3.00 **(DA)**

222   Acting 2

Prereq: THEA 221, or consent.
Continues THEA 221. Expands work on voice, movement, improvisation, and scene work. Requires performance of monologues and scenes from classic and contemporary plays. *(Formerly DRAM 222.)*
3cr; 45hr lec, TE 3.00 **(DA)**

❦ Topics & Issues

(Alpha) **90v, 190v, 290v, 390v, 490v.**
See section on Special Curricula for details.
Note: For 190v courses in the Humanities, up to three credits of different Topics may be used as general electives in the AA, AS, and AAS degrees; up to three additional credits may be used to satisfy a Humanities requirement, for a total of no more than six Topics credits.

❦ Welding (WELD)

119C   Welding for Automotive Applications
Introduces theory and practice of gas and arc welding of ferrous metals with automotive applications. Includes procedures in flat, horizontal, and overhead work for brazing, flame cutting, and welding of aluminum, stainless steel, and other metals. *Designed as a support course for trades. (Formerly WELD 19C)*
3cr; 90hr lec-lab, TE 3.75

119D Welding for Construction Applications
Introduces theory and practices of arc and gas welding of ferrous metals dealing with building construction applications. Includes procedures in flat, horizontal, and overhead work for brazing, flame cutting, and welding of aluminum, stainless steel, and other metals. *Designed as a support course for trades. (Formerly WELD 19D)*
3cr; 90hr lec-lab, TE 3.75

❦ Work Practicum

(Alpha) **151v**
See section on Special Curricula for details.

❦ Zoology (ZOOL)

S. Calder

101   Principles of Zoology
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Surveys major animal groups with emphasis on structure, physiology, development, reproduction, evolution, ecology, behavior, and interactions with humans. *(Crosslisted as BIOL 103.)*
3cr; 45hr lec, TE 3.00 **(DB)**

101L Principles of Zoology Lab
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Coreq: ZOOL 101.
Lab to accompany ZOOL 101. *(Crosslisted as BIOL 103L.)*
1cr; 45hr lab, TE 2.50 **(DY)**

200   Marine Biology
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent.
Coreq: ZOOL 200L
Surveys physical and biological characteristics of the marine environment. Discusses local marine flora and fauna. Surveys topics including fisheries, aquaculture, pollution, and marine resources.
3cr; 45hr lec, 3.00 **(DB)**

200L Marine Biology Lab
Prereq: ENG 22 with grade C or better, or placement at ENG 100, or consent. ZOOL 200.
Coreq: ZOOL200.
Lab to accompany ZOOL 200.
1cr; 45hr lab, TE 2.50 **(DY)**

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GRAY, Jeremy, Media Design & Production, Media   984-3611
BA, University of Hawaiʻi at Mānoa

GRIFFITH, Denice, Institutional Support, Extramural Programs   984-3722
BSW, Arizona State University

HARADA, Kim, Instructional and Student Support, Financial Aid   984-3520
BS, University of Hawaiʻi at Mānoa

HELEKAHI-BURNS, Fawn, Hāna Education Center Coordinator   248-7380
AA, UH Maui College

HIEDA, Bryan, IT Specialist   984-3317, 984-3283
AA, UH Maui College

HOLLOWAY, Sonseeaya, Instructional & Student Support   984-3391
BS, Drake University; MS, University of Phoenix

JOSEPH, Jesse, Instructional and Student Support (EOC/ETS)   984-3286
BA, University of Hawaiʻi at Mānoa

KEHUS, Lorilei, Operations & Maintenance, Mailroom   0, 984-3374

KELLEY, Peggy, Academic Support, Extended Learning &   984-3498
Workforce Development, Certificate in Graphic Design & Print Media,
Boston Museum of Fine Arts School

LEBRON, M. Lani, Insʻl Support-Extramural Funds Business Ofc   984-3622

MAGARIN, Ronald, IT Specialist   984-3641, 984-3283
AS, Maui Community College

MATA, Sylvia, Instructional & Student Support, Financial Aid   984-3521
BA, University of Hawaiʻi at Mānoa

MAJOR, Emily, Instructional & Student Support, Admissions
BA, Simon Fraser University; MA, University of Nevada, Las Vegas 984-3508

MIZOMI, Todd, Media Design and Production, Media   984-3610
BA, University of Hawaiʻi at Mānoa

MONIZ, Jaymie, Instructional & Student Support   984-3573
AA, University of Hawaiʻi Maui College

MORA, Flora, Instructional & Student Support, Admissions   984-3517
BBA, University of Hawaiʻi-West Oahu

MORANDO, Ohua, Instructional & Student Support, Na Pua Noeau   984-3364
BA, University of Hawaii at Manoa

NAEʻOLE, Davileigh, Instructional & Student Support, FAO Director 984-3519
AAS, BAS, UH Maui College; MEd, University of Hawaiʻi at Mānoa

NAKI, Nahiwaaloha, Instructional & Student Support, EOC (Molokai) 984-3240
BA, University of Hawaiʻi at Hilo; MHRM University of Hawaiʻi at Mānoa

NAPOLEON, Liliana, Academic Support (Molokai)   984-3800
AA, UH Maui College; BS, MBA, Western Governors University

ORNELLAS, Barbara, Institutional Support, Human Resources   984-3381
BAS, UH Maui College; MHRM, University of Hawaiʻi at Mānoa

PABINGWIT, Shawna, Institutional Support, Human Resources   984-3204
AAS, BAS, UH Maui College; MHRM, University of Hawaiʻi at Mānoa

PASCHOAL, Albert, Instruction & Student Support- Student Life   984-3717

PIEPER, Christopher, IT Specialist   984-3648

PURDY, Talia, Institutional Support, Business Office   984-3387
AS, Maui Community College

REESER, Cheryl, Institutional Support, Dir Extramural Bus Ofc 984-3792
BA, University of Hawaiʻi-Hilo; MEd, University of Hawaiʻi at Mānoa

ROPA, Natalie, Instructional & Student Support-Lānaʻi   565-7266
AS, Honolulu Community College

RUCKER, Barbara, Institutional Support, Title III - Muʻo Aʻe   984-3365

SAKUTORI, Karen, Financial Aid Banner Specialist   984-3425
BS, University of Hawaiʻi at Mānoa

SLATTERY, Michael, Research Support I, Media   984-3217
AA, Maui Community College; AS, Hawaiʻi Community College

Professional Staff *(continued)*

TAMANAHA, Theresa, Academic Support (Molokai)   553-4490
AA, UH Maui College; BA, University of Hawai'i West Oahu;
MHRM, University of Hawai'i at Mānoa

TOKUNAGA, Susan, Institutional Support   984-3380
(HR Manager, ADA Coordinator)
BS, University of Hawai'i at Mānoa

VILLIARIMO, John, Instr'l-Student Support-Moloka'i Site Specialist   553-4490
AAS, UH Maui College

YAMAMOTO, Cindy, Institutional Support, Bus Office -Fiscal Officer 984-3288
BBA, University of Hawai'i at Mānoa

YOSHIOKA, Melissa, Instructional and Student Support, TLC   984-3589
MA, University of LaVerne

YOUNG-U'U, Chalysse, Instructional and Student Support,   984-3581
(ELWD Adminstrative Assistant)

Support Staff

AHEONG, Tressy-Ann, Office Assistant, Admissions & Records	984-3513
ALDAY-MORALES, Tomas, Security Officer	984-3575
AQUINO, Encarnita, Account Clerk, Business Office	984-3264
ASAMI, Michael, Janitor	984-3232
BARLAHAN, Samuel David, General Laborer	984-3232
BEERS, Herminia Janitor	984-3232
BERCE, James, Janitor	984-3232
BINONWANGAN, Martin, Janitor	984-3232
BINONWANGAN, Teresita, Janitor	984-3232
CASTILLO, Shyanne, Office Assistant, Counseling	
CHIASSON, Lori, Office Assistant, English Dept.	984-3258
CHONG, Christopher, Building Maintenance Worker	984-3232
COFFEY, Ellen, Office Assistant, CTE/VocTech Department.	984-3319
CORNIEL, Regina, Office Assistant, Deans Ofc.	984-3377
DELA CRUZ, Leslie, Janitor, Moloka'i	553-4490
DUDOIT, Stephanie, Account Clerk, Moloka'i	553-4490
DUNCAN, Gregory, Security Officer	553-4490
GANCENA, RONALD, Security Officer	984-3255
GARCIA, Nina, Office Assistant; Lāna'i	565-7266
GRAY, Kim, Office Assistant, STEM Dept.	984-3370
HOLOKAI, Kerry Ann, Clerk Steno, Business/Hospitality Dept.	984-3212
KAEKA, Earl, General Laborer	984-3232
KALEHUAWEHE-PACHECO, Brandon, Security Officer	984-3255
KALUA, Dwight, Building Maintenance Worker	984-3232
KASAHARA, Brian, Security Officer	984-3255
KIMURA, Laurie, Office Assistant, CareerLink	984-3328
LAU, Patricia, Account Clerk, Business Office	984-3371
MAHI, Kalani, Security Officer	984-3255
MORTON, Corrine, Janitor	984-3232
NAKANELUA, Lee, Office Assistant, Allied Health Dept.	984-3250
OWARA-TAKEO, Kathy, Secretary to the Chancellor	984-3655
PACHECO, Cassieann, Office Assistant, Social Sci/Humanities Dept.	984-3331
QUINABO, Kekoa, General Laborer	984-3232
SILIATO, Zion, General Laborer (Grounds)	984-3232
SIM, Babylyn, Janitor	984-3232
SIM, Josie, Janitor	984-3232
TAKATSUKA, Kaile, Security Officer	984-3255
TANAKA, Georgette, Office Assistant, Admissions & Records	984-3514
TANAKA, Janis, Account Clerk, Business Office	984-3372
VANZANDT, Jeremy, General Laborer (Grounds)	242-6920
VIDA, Nicole, Secretary, Vice Chancellor of Academic Affairs	984-3234
WASKEY, Angela, Janitor	984-3232
WATARI, Jocelyn, Library Technician	984-1713

Advisory Committees

Maui College Hui
Sandy Baz, County of Maui
Susan Bendon, Community Representative
Kimo Correa, Southern Wine & Spirits Hawaii
Rian Dubach, Bank of Hawaii
Mel Hipolito, Service Rentals
Gwen Hiraga, Munekiyo & Hiraga, Inc.
Carmen "Hulu" Lindsey, Office of Hawaiian Affairs
Audrey MacLean, Stanford University School of Engineering
Alec McBarnet, Maui Oil Company, Inc.
Mathew McNeff, Maui Electric Company
Jackie Perreira, Queen Kaahumanu Center
Wendy Peterson, Community Representative
Martin Quill, The Quill Group
Michael Reiley, HNU Photonics
Grelyn Rosario, McDonalds
Kyle Sakamoto, Central Pacific Bank
Rob Stoner, S&F Land Company
Bruce U'u, Hawaii Carpenters Union
Diane Woodburn, Maui No Ka Oi Magazine

Accounting
Ron Kawahara, CPA, Ronald A. Kawahara & Co. CPA's Inc
Diane Meyer, UHMC Faculy Coordinator and Accounting Instructor
Mary Orwig, CPA
Trevor Tokishi, CEO, Valley Isle Cmty Federal Credit Union

Administration of Justice
Brian Cade, Maui Community Correctional Center
Melissa Chimera, Haleakala National Park
John Foster, Maui Police Department
Pedro Gapero (Pete), Liquor Commission
Bobby Hill, Maui Police Department
Leighton Kanaele, Maui Police Department
Phil Lowenthal, Attorney
Alan Nouchi, Maui Community Correctional Center
Bill Pacheco, Liquor Commission
Wayne Pagan, Liquor Commission
Mike Palazzotto, Grand Wailea Security
Ryan Rodrigues, Maui Police Department
Tracie Takatani, Community
Brooks Tamaye, Department of Land & Natural Resources

Agriculture & Natural Resources
Steve Chiang, Agribusiness Incubator Program
Sumner Erdman, Ulupalakua Ranch
Keith Ideoka, Lahainaluna High School Ag. Department
Thomas and Eva Kafsack, Surfing Goat Dairy
George Kahumoku
Ted Radovich, Hawai'i at Mānoa
Gerry and Janet Ross, Kupa'a Farms
Robin Shimabuku, CTAHR in Maui County
Heidi Watanabe, Watanabe Vegetable Processing, LLC.
Kenneth Yamamura, Office of Economic Development

Applied Business & Information Technology
Gary Albitz, Entrepreneur
Chris Chiesa, Pacific Disaster Center
Tim Georges, Boeing
Krishna Narayan, Maui Chocolate
Virendra Nath, HDEP
Lorraine Osako, Entrepreneuer
Rich Serbin, Entrepreneur
Shannon Sheldon, Attorney
Ray Shirkhodai, Pacific Disaster Center

Automotive/ Autobody Technology
Joselin Costa, Gemini Auto Care
Tim Hultquist, Kar-Mart
Jerry Kawahara, H&S Garden and Paint
Dwayne Kim, Polynesian Adventure Tours
Grant Lord, Jim Falks Motors
Chester Rafanan, Pfleuger Acura Maui
Dennis Sasai, CTE Coordinator DOE System
Daniel Toguchi, Toguchi Auto-Body
Ryan Ventura, Ventura Power Generation Graduate of Auto
Mark Vilaverde, Automotive Service
Ivan Watanabe, Jim Falks Valley Isle Motors
Gordon Yoshizawa, Jace Kim Collision

Business Administration
Johanna Amorin, Jobline X-Press
Frank DeRego, Jr., Maui Economic Development Board
Caity Ka'aihue, Genesco, INC.
Zane Lacaden, Hot Topic
Tracy Logan, Travel by Tracy
Christopher McGee, McGee Ventures
Theo Stiller, Guardian | WestPac
Rachelle Takeshita, Enterprise Holdings
Maile Williamson, First Hawaiian Bank

Business Technology
Johanna Amorin, Jobline X-Press
Irene Bala, Malama I Ke Ola
Deanna Garcia, Akimeka LLC
Lalaine Paion, MEDB, Inc.
Jackie Thomas, Maui Medical Group
Jorge Tirona, Central Pacific Bank
David Underwood, County of Maui
Jeannie Wenger, Bello Realty

Construction Technology
Willy Bennet, Energy Consulting Associates, LLC
Mike Gerrey, Habitat for Humanity
Melvin Hipolito, Service Rentals
Robert Hoonan, Wailea Beach Resort Marriott
Phil Johnson, Reicke, Sunnland & Kono Architects
Ellsworth Kalawaia, Honua Kai Condominium Association
Bob Novello, Dorvan Leis
Lisa Paulson, Maui Hotel and Lodging Association
Cliff Ryden, Blue Pacific Energy
Christian Tackett, Carpenters Local 745
Mike Yap, Yap Electric

Creative Media
Leilani Abafo, Maui High School Creative Media
Casey Arcangel, UH Academy Creative Media Graduate
Rick Chatenever, Movie Critic/Journalist
Kathy Collins, Actor/Media Personality/Journalist
Elisabeth de Kleer, Unscripted TV Producer
Adi Ell-Ad, Movie/TV Editor
Michael Feit Dougan, Screenwriter
Kawika Hoke, Social Media Marketing
Kulamanu Ishihara, Associate Professor, Counselor
Vinnie Linares, Retired UHMC Faculty
Chris Meyer, Meyer Computing
Darryll Naeole, UHMC Creative Media Graduate
Raymond Rolak, Sports Journalist
Stefan Schaefer, Writer/Director/Producer
Reichart Von Wolfsheild, Inventor/Entrepreneur
Barry Wurst, Hawaii Film Critics Society
Saedene Yee-Ota, Sae Design Group
Jonathan Yudis, Writer/Director/Producer

Culinary Arts
Rhonda Ashton-Chavez, Four Seasons Resort Maui
Paula Hegele, Maui Winery
Dania Katz, Edible Hawaiian Islands Magazine
Charlene Kauhane, Kauhane Communications
Paris Nabaui, Sangrita Cantina
Marc McDowell, The Mill House
Scott McGill, T S Restaurants
Lynne Miller, VIP FoodService
Travis Morrin, Three's Bar & Grill, Alumnis
Tylun Pang, Fairmont Kea Lani Maui
Mike Rose, Longhi's
Jeffery Scheer, Maui Executive Catering, Alumnis
Sheldon Simeon, Migrant, Alumnis
Roger Stettler, CPB
Diane Haynes Woodburn, Maui No Ka Oi Magazine
Rick Woodford, Island Restaurant Concepts Consulting
Lyndon Honda, Laulima Catering

Dental Hygiene Advisory Committee
Emi Eno Orikasa, DDS, Oral Health Director
Dennis Ishimoto, DDS, Retired, Private Practice
Chris McNeil, DDS, Private Practice
Ryan Hashizume, Consumer
Brandi Hashizume, Student Liaison
Christine Hamilton, RDH, Private Practice-UHMC Grad

Early Childhood Education
Debbi Amaral, MEO Early Childhood Services Director
Roberta Arita, DOE 619 Coordinator
Edeluisa Baguio-Larena, Maui Family Support Services CEO
Monet Becker, PATCH Maui Coordinator
Ka'ina Bonacorsi, Maui County ECE Resource Coordinator
Misty Fukushima, DHS Child Care Connection, First to Work
Mele Hooper, Tutu and Me Maui
Flerida Iniba, Iao Preschool Director
Me'ja Kaniho Keiki o Ka 'Aina
Wanda McMaster, MCC Professor Emeritus
Bobbie-Jo Moniz-Tadeo, Imua Family Services
Kili Namau'u, Punana Leo o Maui
Lisa Pahukoa, Kamehameha Preschools
Daisyrell Reyes, UHMC Student Representative
Venus Rosete-Mederios, Kamehameha Schools Regional Director
Elaine Yamashita, UHMC Professor, Retired

Educational Opportunity Center
Pamela Alconcel, Lāna'i Education Center
Cathy Bio, Academic Affairs, Office of the VP for Comm. Colleges
Kelly Dudoit, Moloka'i Education Center
Honeygirl English, Queen Liliuokalani Children's Center
Kevin Kimizuka, Workforce Development
Dr. Richard MacDonald, Veterans Administration
Kilohana Miller, UHMC Financial Aid Office
Gin Nary, Alulike
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Juliana Patao, UHMC Career Link
Paula Purdy, Kamehameha Schools, Maui Campus
Karen Tanaka, Kaiao
Armon Tavares, Aloha House
Shauna Tanner, Division of Vocational Rehabilitation

Engineering Tech/Electronic & Computer Engineering Tech
Ned Davis, Maui Innovation Group
Wes Freiwald, Pacific Defense Solutions
Thomas Glesne, Shafer Pacific Operations
Steve Griffin, Boeing
Lisa Hunter, Institution Scientist & Engineering Educators, UCSC
Joe Janni, Air Force Research Laboratory
Mike Maberry, Institute for Astronomy, University of Hawai'i
Sharon Mielbrecht, Pacific Disaster Center
Dan O'Connell, HNU Photonics
John Valliant, Boeing
Laura Ulibarri, United States Air Force
Rich Serbin, Retired Computer Scientist, Lawrence Livermore National Security Laboratory
Jarret Yip, Cisco Academy Training Center
Leslie Wilkins, Maui Economic Development Board, Women in Tech

Fashion Technology
Marla Barbin, Rocky Bay Trading Co., Ltd
Juliana Dillitzer, Makena Surf Wear
Keri Duke, Keri Designs
Anne Miyashiro, Fashion Technology graduate
Patti Pottorff, Biasa Rose Boutique

Hāna Program
Christel Blumer-Buell, Hāna High-Elementary School
Doris Buckley, Hanaside News
Patti Eason, Community Representative
Kalani English, State Senator
Sonia Helekahi, Hāna Parks & Recreation Technician
Kuuipo Kanakaole, Community Representative
Jubilee Konohia, UHMC graduate/Hui No Ke Ola Pono, MSN
Dawn Lono, Hāna County Council Office
Kathleen Street, Community Representatives

Hospitality and Tourism
Kui Aipa, Kaanaapali Beach Hotel
Glenn Casil, Westin Nanea Ocean Villas
Brandon Chu, Four Seasons Resort Maui
Leigh Drewry, Lumeria Maui
Sean Ganhinhin, Westin Kaanapali Ocean Resort Villas
Lance Gilliland, LKG Solutions
Ann Ikuta, Grand Wailea
Kyoko Kimura, Aqua Hospitality
Nathan Matanane, Enterprise Holdings
Rod Antone, Maui Hotel & Lodging Association
Kai Pelayo, Monsanto
Chris Rabang, Westin Nanea Ocean Villas
JoLynn Tsukamoto, Fairmont Kea Lani
Tets Yamazaki, Sheraton Maui Resort & Spa
Kyu Yi, Blue Hawaiian Helicopters
Ron Daniel Haleakala Eco Tours

Human Services
Mele Andrade, Parents and Children Together
Edeluisa Bguio-Larena, Maui Family Support Services
Chasity Nohealani Cadaoas, Maui AIDS Foundation
Kathleen Couch, Maui Adult Day Care Centers
Sherry Kupau, Family Life Center
Kamahanahokulani Farrar, Na Pu'uwai Native Hawaiian Health Care
Craig Hirayasu, Adult Client Services, Judiciary 2nd Circuit
Nicole Hokoana, Aloha House, Malama Family Recovery, Maui Youth & Family Services
Sanoe Ka'aihue, Women Helping Women
Michael Lag, Mental Health Kokua
Dani Riggs, Child and Family Service
Cassie Savell, Malama I Ke Ola Health Center
Deborah Stone-Walls, County of Maui Office on Aging

Lahaina Advisory Committee
Randi Arbaugh, Front Street Apts
Lisa Gibson, Business Community
Zeke Kalua, Mayor's Office
Andrew Kutsunai, Lahainaluna Foundation
Joe Pluta, West Maui Taxpayers Association
Jeff Rogers, Community Representative
Flo Wiger, Community Representative

Lāna'i Program
Aaron Fernandez, First Hawaiian Bank
Elton Kinoshita, Lāna'i High & Elementary School
Kay Okamoto, Lāna'i Community Association
Anthony Pacheco, OHA
Natalie Rupa, Lāna'i High & Elem Foundation
Shirley Samonte, Straub Clinic
Tammi Sanches, Pulama Lāna'i
Diana Shaw, Lāna'i Community Health Center
Pua Turqueza, Bank of Hawai'i-Lāna'i

Library
Anjali DeSure, Small Business Owner
Cynthia Hisao, UHMC student
Kī'ope Raymond, UHMC Faculty
Ralph Reeves, Investor

Moloka'i Program
Ekolu Ah Yee, Student Representative
Maka Cobb-Adams, Kamehameha Schools
Jennifer Hawkins, College of Tropical Ag and Human Resources (CTAHR)
Janice Kalanihuia, Moloka'i General Hospital
Debbie Kelly, MLSWCD
Ron Kimball, Community Representative
Brent Nakihei, Dept of Human Services, Child Welfare Services
Collette Machado, OHA Trustee
Maliekekai Sawyer, Moloka'i High School CTE Chair
Kilia Purdy-Avelino, UHMC Moloka'i Lecturer - Hawaiian Language and Hawaiian Studies

Nursing Career Ladder
Keoki Robello, Islands Hospice
Melissa Goueytes, Bayada Home Care
Kelly Yokouchi. Hale Makua Health Services
Jeny Bissel, Dept. of Health
Gary Kienbaum, MMMC
Marian, Horikawa-Barth, MMMC
Sarah Lane, MMMC
Ian Igarta, MMMC
Lark Canico Pacific Area Health Education Center (AHEC)
Laura Reichhardt, Hawaii Center for Nursing

Sustainable Science Management
John Bendon, LEED AP, Bldg Performance Institute Bldg Analyst
Jennifer Chirico, PhD, MPH, SUSTY Pacific
Robert Hoonan, Marriott
Maria Jagla, Four Seasons Resort Maui at Wailea
Kelly King, Pacific Biodiesel/ Bob King, Pacific Biodiesel
Scott Meidell, Haleakala Ranch
Tara Owens, Sea Grant
Steve Parabicoli, Wastewater Reclamation Consultant
Rob Parsons, Office of the Mayor
Jonathan Stenger, Kamehameha Schools
Sharon Suzuki, Maui Electric Company
David Tester, Maui Electric Company

Day/Date	2020 Hawai'i Public Holidays
Wednesday, Jan. 1, 2020	New Year's Day
Monday, Jan. 20, 2020	Martin Luther King Day
Monday, Feb. 17, 2020	President's Day
Thursday, Mar. 26, 2020	Prince Jonah Kūhiō Kalanianaʻole Day
Friday, Apr. 10, 2020	Good Friday
Monday, May 25, 2020	Memorial Day
Thursday, June 11, 2020	King Kamehameha I Day
Friday, July 3, 2020	Independence Day Observed-holiday
Saturday, July 4, 2020	Independence Day
Friday, Aug. 21, 2020	Statehood Day
Monday, Sept. 7, 2020	Labor Day
Tuesday, Nov. 3, 2020	Election Day
Wednesday, Nov. 11, 2020	Veterans Day
Thursday, Nov. 26, 2020	Thanksgiving
Friday, Dec. 25, 2020	Christmas Day

Day/Date	2021 Hawai'i Public Holidays
Friday, Jan. 1, 2021	New Year's Day
Monday, Jan. 18, 2021	Martin Luther King Day
Monday, Feb. 15, 2021	President's Day/Susan B. Anthony Day
Friday, Mar. 26, 2021	Prince Jonah Kūhiō Kalanianaʻole Day
Friday, Apr. 2, 2021	Good Friday
Monday, May 31, 2021	Memorial Day
Friday, June 11, 2021	King Kamehameha I Day
Sunday, July 4, 2021	Independence Day
Monday, July 5, 2021	Independence Day Observed-holiday
Friday, Aug. 20, 2021	Statehood Day
Monday, Sept. 6, 2021	Labor Day
Thursday, Nov. 11, 2021	Veterans Day
Thursday, Nov. 25, 2021	Thanksgiving
Friday, Dec. 24, 2021	Christmas Eve/Christmas Observed-holiday
Saturday, Dec. 25, 2021	Christmas Day
Friday, Dec. 31, 2021	New Year's Day Observed-holiday

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Registration Information

- New students must complete the University of Hawaii System Application online at *http://maui.hawaii.edu/how-to-apply*. Returning UHMC students should contact Admissions & Records for information on the re-admittance process; call 808-984-3267. Complete applications must be submitted by application deadlines *(exception: see **International Students**).*
- Registration is conducted via MyUH Services only. In-person services are available at Admissions & Records in the Hoʻokipa building, 8:30 am - 4:00 pm, and at the Hāna, Lahaina, Lānaʻi, and Molokaʻi Education Centers.
- Students must have a UH username before utilizing in-person services. To obtain a UH username, students may go to *https://www.hawaii.edu/username/* and follow the steps outlined.
- The toll-free number for Hawaiʻi and Mainland students calling from outside Maui County is 1-800-479-6692.

Calendar	Fall 2020	Spring 2021
Priority registration – *according to credits completed toward graduation*	*See MyUH*	*See MyUH*
Registration for F20 classes starts *(see Academic Advisor ahead of time)*	April 6	--
Deadline for Fall Admissions Application	August 1	
Tuition Payment deadline for F20 or SP21 classes, by 4:00pm HST	August 20	January 8
Faculty Fall duty period starts, and Spring "new" faculty start	August 17	January 4
FIRST DAY OF INSTRUCTION	**August 24**	**January 11**
Late Registration Fee begins ($30)	August 24	January 11
Last day to Drop/Withdraw with 100% refund for full-term classes	September 1	January 19
Last day to Add/Late register	September 1	January 19
Erase Period ends for full-term classes – *courses dropped by this date do not appear on transcript*	September 15	February 3
Last day to Drop/Withdraw with 50% refund for full-term classes	September 15	February 3
Graduation Sp2021 application deadline for name printed in commencement booklet	--	March 15
Spring Break	**--**	**March 15-19**
Deadline for Official Withdrawal with a W Grade	November 2	March 29
Deadline to Make-up Incompletes *(I grades)*	November 2	March 29
Last day to change CR/NC option	November 2	March 29
Last day to select Audit grade	November 2	March 29
Registration for Sp2021 classes starts *(see Academic Advisor ahead of time)*	November 9	--
Registration for F2021 classes starts *(see Academic Advisor ahead of time)*	--	April 5
LAST DAY OF INSTRUCTION *(for full-term classes)*	**December 10**	**May 5**
Graduation application deadline	December 10	May 5
Reading Day *(for full-term classes)*		*(none)*
Deadline for Spring 2021 Admissions Application	December 15	
Final Evaluation Period *(for full-term classes)*	December 12-18	May 6-14
Commencement		May 13
Last day of term	December 18	May 14
Summer Session I		May 24-July 2
Summer Session II		July 6-Aug 13
Faculty duty period official end		May 17
Faculty deadline to submit grades	Dec 22 by noon	May 18 by noon

Disclaimer Statement - The College reserves the right to, without prior notice, change or delete, supplement, or otherwise amend at any time the information, requirements, time schedules, and policies contained in this catalog.

FALL 2020 ACADEMIC CALENDAR

Dates	Event Description
September 1, 2019	**Fall Admissions Application Opens Online**
April 6, 2020	**Early Registration begins for currently enrolled students with 36+ credits earned at home institution**
April 7, 2020	**Early Registration begins for currently enrolled students with 24+ credits earned at home institution**
April 8, 2020	**Early Registration begins for currently enrolled students with 18+ credits earned at home institution, special groups**
April 9, 2020	**Early Registration begins for currently enrolled students with 6+ credits earned at home institution**
April 10, 2020	**Early Registration begins for currently enrolled students with 0+ credits**
April 13, 2020	**Early Registration begins for New, Transfer, Returning**
July 1, 2020	**International Admissions Application Deadline (applicants to attend on Student Visa)**
August 1, 2020	**Deadline to Submit Fall Admissions Application**
August 17, 2020	**Official Faculty Duty Start Date (9-month faculty)**
August 18, 2020	**New First Year Student Fall Welcome Event (**Tentative**)**
August 20, 2020	**Tuition Payment Deadline 4:00PM (HST) online or in person. Receipt of payment or enrollment in the payment plan on or before this date is required.** IMPORTANT: To avoid financial and academic penalties, be sure to drop any class you do not want, even if you have not paid for it. Students who fail to meet the payment deadline *may* be subject to immediate dis-enrollment from all courses. Not all registrants are automatically cancelled due to non-payment.
August 21, 2020	**HOLIDAY: Statehood Day**
August 23, 2020	**Last day to register, add, or drop classes without the $30 late registration fee or the $5 change of registration fee. ($5 change fee is waived for adds or drops submitted online.**
August 24, 2020	**First Day of Instruction**
August 24, 2020	**Late Registration Begins: Students registering for classes at any University of Hawaii Institution for the first time on or after this date will be charged a $30 late registration fee. A $5 change (add/drop) fee for in-person registration transactions.**
August 24, 2020	**Registration opens for University of Hawaii Employees, and spouses or domestic partners of employees in BU 07, 08, 87, and 88 utilizing a UH Employee tuition waiver**
September 1, 2020	**Last day to register late or add full-semester length classes online via STAR GPS. After this date, instructor approval is required.**
September 1, 2020	**Last day to DROP from full-semester length courses with 100% tuition refund.** Note: students who register and decide not to attend, must officially withdraw by the 100% refund date. Failure to officially withdraw will result in a financial obligation to the UH System and may also result in a failing grade. Failure to attend classes does not constitute dropping and may result in academic penalties.

FALL 2020 ACADEMIC CALENDAR

Dates	Event Description
September 7, 2020	**HOLIDAY: Labor Day**
September 15, 2020	**Last day to add classes to be eligible for financial aid funding.**
September 15, 2020	**Last day to withdraw from full-semester length classes with 50% tuition refund**
September 15, 2020	**Last day to withdraw without a "W" grade (full-semester length courses or 16 week courses)** **Erase Period ends (full-semester length courses dropped by this date do not appear on transcript)**
September 18, 2020	**Last day to apply and register for credit by examination**
October 19, 2020	**Last day for Students to submit Spring and Summer 2020 incomplete ("I") make-up work to Instructors**
November 2, 2020	**Last day to withdraw from full-semester length courses with a "W" grade.**
November 2, 2020	**Last day to change to credit/no credit grade option or audit grade option (not all courses are eligible for the credit/no credit option).** If on financial aid and or VA, check with the respective office BEFORE dropping any class(es) to make sure there are no financial ramifications.
November 2, 2020	**Last day for Instructors to submit Spring and Summer 2020 Incomplete ("I") Make-up Grades to Admissions and Records Office**
November 3, 2020	**HOLIDAY: General Election Day**
November 9, 2020	**Registration begins for the Spring 2021 Semester**
November 11, 2020	**HOLIDAY: Veterans' Day**
November 26, 2020	**HOLIDAY: Thanksgiving Day**
November 27, 2020	**Non-Instructional Day**
December 10, 2020	**Last day of instruction**
December 10, 2020	**Last day to apply for Fall 2020 graduation (add degrees and certificates)**
December 14-18, 2020	**Final Evaluation Period**
December 18, 2020	**Last day of Fall 2020 semester**
December 22, 2020	**Faculty grade submission deadline by 12:00PM (HST)**
December 25, 2020	**HOLIDAY: Christmas**
December 26, 2020	**Grades available via MyUH or STAR**