

# UHM



UNIVERSITY OF HAWAII MAUI COLLEGE

GENERAL CATALOG 2023-2024

*grow where you're rooted*

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# General Information

University of Hawai'i Maui College General Catalog



The University of Hawai'i Maui College Catalog provides general information about UH Maui College and its programs and services and summarizes major policies and procedures relevant to students. This general information includes admissions requirements, financial aid, the cost of attendance, student services, policies, and graduation requirements. The UH Maui College General Catalog also provides a description of degrees and courses.

College catalogs are published annually or less frequently, and may not always reflect the most recent information concerning programs, courses, services, regulations, policies, procedures, and other matters contained therein. It is recommended that students consult faculty and/or academic advisors for the most current information.

The Catalog is not intended as a complete list of regulations, policies, or programs, and should not be regarded as a legal contract between UH Maui College and the student. Students should check with the College for details concerning other policies that may affect enrollment or registration status.

The College reserves the right to make changes to its policies and procedures, and to: change tuition, fees, courses, and programs; cancel classes where necessary; set maximum limits for enrollment; and discontinue services without prior notice. Notice of changes will be given when possible.

## General Information

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### Message from the Chancellor



Aloha Mai Kākou,

Welcome to UH Maui College! We are thrilled to have you join our vibrant and diverse community of learners. Whether you are a first-time college student or transferring from another institution, we are committed to supporting you throughout your academic journey.

At UH Maui College, we believe in providing a transformative education that empowers students to achieve their goals and positively impact the world. As you embark on this new chapter, we encourage you to embrace the opportunities that await you. Our dedicated faculty and staff are here to guide and inspire you, both inside and outside the classroom.

Maui College offers a wide range of programs and courses designed to meet the needs and interests of our students. Whether pursuing a degree, certificate or simply seeking personal enrichment, you will find a wealth of options to explore. From business and healthcare to sustainability and the arts, our curriculum is designed to foster critical thinking, creativity, and real-world skills.

But education is more than just academics. UH Maui College is situated in one of the most breathtaking locations in the world, surrounded by the natural beauty and rich culture of Maui. We encourage you to utilize the many extracurricular activities and resources available. Join a student club, engage in community service, or

participate in one of our many cultural events. Your time at UH Maui College is an opportunity for personal growth and discovery.

As you embark on this exciting journey, remember you are not alone. Our campus community is warm, inclusive, and supportive. You will find fellow students, faculty, and staff passionate about helping you succeed. Reach out, ask questions, and seek guidance whenever you need it. We are here to ensure your college experience is fulfilling and rewarding.

Once again, welcome to UH Maui College! We are honored to have you as part of our ohana (family). Your presence enriches our community, and we look forward to witnessing your achievements and contributions. Get ready for an incredible educational adventure that will shape your future.

Eia a'e ka nalu, Pae i ka nu'u,



Lui K. Hokoana, EdD

Chancellor

## Mission & Vision

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

### Mission

The University of Hawai'i Maui College inspires and empowers students to develop knowledge and skills for transformative action towards a sustainable workforce, community focused innovation, and Hawaiian self-determination.

### Vision

He ali'i ka 'āina, he kauā ke kanaka – Land is the chief and people are its servants.  
Inspiring change, innovation and responsibility in our communities.

## History

UHMC began as Maui Vocational School in 1931. In 1958 the Department of Public Instruction authorized a name change to Maui Technical School to reflect an upgrade of education to a technical level. In 1964 the 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.

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

In February 2010, the UH Board of Regents approved a name change to University of Hawai'i Maui College to more accurately represent the college's programs and services, which include baccalaureate programs. The College remains one of seven community colleges in the UH system, and the only college in Maui County.

## Accreditation

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

## 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 temporarily located on the Hāna High School campus. The center services early college, degree-seeking and community students. Both credit and non-credit courses are offered including in-person courses in Hāna as well online UH Maui College and UH system courses.

For information, call [808-248-7380](tel:808-248-7380).

## Lāna'i Education Center

The Lāna'i Education Center is the only post-secondary educational institute on the island of Lāna'i, serving the community and assisting as a liaison for the University of Hawai'i system. The center has two distance learning classrooms and a computer lab. The center offers credit and non-credit classes serving degree seeking students, high school and community students. Instruction is delivered live or via distance learning models. 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 educational needs of the community.

For information, call [808-565-7266](tel:808-565-7266).

## Moloka‘i Education Center

The history of the Molokai Education Center spans back to the 1970's. The first classes were offered in Hotel Operations and Liberal Arts at Kaunakakai Elementary School. The Molokai Agriculture Farm was acquired in 1982. Agriculture was the first onsite full-time college degree program accessible to Molokai residents. Enrollment doubled when the first campus was established in a rented space in Kaunakakai town in 1986.

The dream of establishing a permanent facility on Molokai became a reality in 1999. The permanent facility has made way for increases in enrollment and diversification of program offerings. With a combination of on-site course offerings and distance learning support, the Molokai Education Center serves as a hub for all University of Hawaii programs on Molokai. This includes credit and non-credit opportunities spanning from certificates through graduate degrees.

In addition to offering academic programming, the Molokai Education Center also supports the advancement of the Molokai community through career exploration and workforce development. The staff work in unison to advance the mission of the program; “E ho‘ona‘auao honua ‘oia ma ka hale - A world of knowledge here at home.”

For information, call [808-553-4490](tel:808-553-4490).

## Office of Extended Learning and Workforce 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 Hawai‘i 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, Ho‘āla, 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](tel:808-984-3231), or visit [maui.hawaii.edu/elwd](http://maui.hawaii.edu/elwd).

## 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 [808-984-3523](tel:808-984-3523), or visit the website: [uctrmaui.hawaii.edu/](http://uctrmaui.hawaii.edu/).

## 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 Hawai‘i Foundation which, through its Maui office, supports the College’s fundraising efforts.

For details, call the UH Foundation Office at [808-984-3471](tel:808-984-3471).

## 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](http://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 Interim Vice Chancellor of Student Affairs Kulamanu Ishihara at [808-984-3515](tel:808-984-3515) or [vorhies@hawaii.edu](mailto:vorhies@hawaii.edu).

## State Holidays

Day/Date	2023-2024 Hawai'i State Holidays (August-July)
Friday, Aug 18, 2023	Statehood Day
Monday, Sept. 4, 2023	Labor Day
Friday Nov. 10, 2023	Veterans' Day
Thursday, Nov. 23, 2023	Thanksgiving
Monday, Dec. 25, 2023	Christmas Holiday (observed)
Monday, Jan.1, 2024	New Year's Holiday (observed)
Monday, Jan. 15, 2024	Dr. Martin Luther King Jr. Day
Monday, Feb. 19, 2024	Presidents' Day
Tuesday, Mar. 26, 2024	Prince Jonah Kūhiō Kalaniana'ole Day
Friday, Mar. 29, 2024	Good Friday
Monday, May 27, 2024	Memorial Day
Tuesday, June 11, 2024	King Kamehameha I Day
Thursday, July 4, 2024	Independence Day

## Admission & Registration Information

- New students must complete the University of Hawaii System Application online at <http://maui.hawaii.edu/apply/>
- Returning UHMC students should contact Admissions & Records for information on the re-admittance process; call [808-984-3267](tel:808-984-3267). Complete applications must be submitted by application deadlines (*exception: see [International Students](#)*).
- Registration for credit courses is conducted via [STAR](#) only. In-person services are available at Admissions & Records in the Ho'okipa building, 8:30 am - 4:00 pm, and at the Hāna, Lahaina, Lāna'i, and Moloka'i 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 Hawai'i and Mainland students calling from outside Maui County is [1-800-479-6692](tel:1-800-479-6692).

## Academic Calendar

### Fall 2023 Academic Calendar

Dates	Event Description
September 1, 2023	Admissions Application Opens Online
April 3, 2023	Early registration begins for currently enrolled students with 36+ credits earned at home institution
April 4, 2023	Early registration begins for currently enrolled students with 24+ credits earned at home institution
April 5, 2023	Early registration begins for currently enrolled students with 18+ credits earned at home institution
April 6, 2023	Early registration begins for currently enrolled students with 6+ credits earned at home institution
April 7, 2023	Early registration begins for currently enrolled students with 0+
April 7, 2023	Holiday: Good Friday
April 8, 2023	Early registration begins for New, Transfer, Returning
May 29, 2023	Holiday: Memorial Day
June 12, 2023	Holiday: King Kamehameha I Day
July 1, 2023	International admissions application deadline (applicants to attend on a Student Visa)
July 4, 2023	Holiday: Independence Day
August 1, 2023	Fall 2023 Deadline for admission application
August 3, 2023	Fall 2023 purge (dis-enrollment) at 4:00 pm HST - Students will be disenrolled from Fall 2023 classes for non-payment of their Spring/Summer 2023 terms if their outstanding balance for prior terms is greater than \$200.
August 11, 2023	New First Year Student Fall Welcome Event, visit <a href="https://uhmcfye.weebly.com/">https://uhmcfye.weebly.com/</a> for more
August 14, 2023	Official Faculty Start Date (9-month faculty)
August 17, 2023	Tuition Payment Deadline. Receipt of payment or enrollment in the payment plan on or before this date is highly recommended. 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 18, 2023	Holiday: Statehood Day
August 20, 2023	Last day of regular registration. Last day to register, add, or drop classes without the \$30.00 late registration fee or the \$5 change of registration fee. (\$5 change fee is waived for adds or drops submitted online)
August 21, 2023	Fall 2023 First day of instruction
August 21, 2023	Late Registration Begins: Students registering for classes at any University of Hawai'i 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.

Dates	Event Description
August 21, 2023	Registration opens for University of Hawai'i Employees, and spouses or domestic partners of employees in BU 07, 08, 87, and 88 utilizing a UH Employee tuition waiver
August 29, 2023	Last day to register late or add full-semester length classes online via STAR GPS. After this date, instructor approval is required.
August 29, 2023	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. ** For non-semester length classes, please refer to the Fall 2023 Class Availability to view refund and withdrawal deadlines.  <a href="https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202410">https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202410</a> Click on course subject and CRN
September 4, 2023	Holiday: Labor Day
September 12, 2023	Last day to add classes to be eligible for financial aid funding.
September 12, 2023	Last day to withdraw from full-semester length classes with 50% tuition refund. ** For non-semester length classes, please refer to the Fall 2023 Class Availability to view refund and withdrawal deadlines. <a href="https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202210">https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202210</a> Click on course subject and CRN
September 12, 2023	Last day to withdraw without a "W" grade (full-semester length courses or 16week courses) Erase Period ends (full-semester length courses dropped by this date do not appear on transcript) 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)
October 30, 2023	Last day to withdraw from full-semester length courses with a "W" grade. ** For non-semester length classes, please refer to the Fall 2023 Class Availability to view refund and withdrawal deadlines. <a href="https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202210">https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202210</a> Click on course subject and CRN
October 30, 2023	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.
October 30, 2023	Last day for Instructors to submit Spring and Summer 2022 Incomplete ("I") Makeup Grades to Admissions and Records Office
November 6, 2023	Spring 2024 Registration Begins
November 10, 2023	Holiday: Veteran's Day
November 23, 2023	Holiday: Thanksgiving
November 24, 2023	Non-Instruction Day

Dates	Event Description
December 7, 2023	Last day of instruction
December 7, 2023	Last day to apply for Fall 2023 graduation (add degree and certificates)
December 8-15, 2023	Final evaluation period
December 15, 2023	Last day of Fall 2023 Semester
December 19, 2023	Faculty grade submission deadline by 12:00 PM (HST)
December 22, 2023	Fall 2022 Grades Available via MyUH or STAR
December 25, 2023	Holiday: Christmas

## Spring 2024 Academic Calendar

Dates	Event Description
August 1, 2023	Admissions Application Opens Online
November 1, 2023	International Admissions Application Deadline (applicants to attend on Student Visa)
November 6, 2023	Early Registration begins for currently enrolled students with 36+ credits earned at home institution
November 7, 2023	Early Registration begins for currently enrolled students with 24+ credits earned at home institution
November 8, 2023	Early Registration begins for currently enrolled students with 18+ credits earned at home institution, special groups
November 9, 2023	Early Registration begins for currently enrolled students with 6+ credits earned at home institution
November 10, 2023	Early Registration begins for currently enrolled students with 0+ credits
November 10, 2023	Holiday: Veteran's Day
November 13, 2023	Early Registration begins for New, Transfer, Returning
November 23, 2023	Holiday: Thanksgiving
December 1, 2023	Payment Deadline for Spring 2024 Registrants with prior term balances >\$200. Students who have financial obligations from prior terms greater than \$200 and have registered for Spring semester <i>may</i> be disenrolled from Spring courses. FINANCIAL AID RECIPIENTS should follow financial aid award information. If you have been awarded financial aid for the current term (login to MyUH to see if you have an award for the Spring 2024 semester), you do not need to sign up for a payment plan by December 1, 2023. If you have met the terms of your awarded financial aid, your aid will automatically be applied as payment toward eligible charges.
December 15, 2023	Deadline to Submit Spring 2024 Admissions Application
December 25, 2023	HOLIDAY: Christmas
January 1, 2024	Holiday: New Year's Day
January 2, 2024	Financial Aid Disbursement begins for Spring 2024

Dates	Event Description
January 2, 2024	Official Faculty Duty Start Date (9-month faculty)
January 3, 2023	New First Year Student Spring Welcome Event, visit <a href="https://uhmcfye.weebly.com/">https://uhmcfye.weebly.com/</a> for more information
January 3, 2024	Spring 2024 Tuition Payment Deadline. Receipt of payment or enrollment in the payment plan on or before this date is highly recommended. 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 <i>may</i> be subject to immediate dis-enrollment from all courses. Not all registrants are automatically cancelled due to non-payment.
January 7, 2024	Regular Registration Ends: 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.
January 8, 2024	Spring 2024 First Day of Instruction
January 8, 2024	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.
January 8, 2024	Registration opens for University of Hawai'i Employees, and spouses or domestic partners of employees in BU 07, 08, 87, and 88 utilizing a UH Employee tuition waiver
January 15, 2024	Holiday: Martin Luther King, Jr Day
January 16, 2024	Last day to register late or add full-semester (16 weeks) length classes online via STAR GPS. After this date, instructor approval is required.
January 17, 2024	Last day to DROP from full-semester (16 weeks) 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.  **Withdrawal Dates for non-semester length (modular) classes can be found by going to Spring 2024 class availability web url: <a href="https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202430">https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202430</a> Select subject and course CRN
January 31, 2024	Last day to add classes to be eligible for financial aid funding.
January 31, 2024	Last day to withdraw from full-semester length (16 weeks) classes with 50% tuition refund. **Withdrawal Dates for non-semester length (modular) classes can be found by going to Spring 2024 class availability web url: <a href="https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202430">https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202430</a> Select subject and course CRN
January 31, 2024	Last day to withdraw without a "W" grade (courses dropped by this date do not appear on transcript)
February 19, 2024	Holiday: President's Day
March 18 - 22, 2024	Spring Break
March 22, 2024	Last day to withdraw from full-semester length courses with a "W" grade.**

Dates	Event Description
	Withdrawal dates for non-semester length classes can be found by going to the Spring 2024 Class Availability web url: <a href="https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202430">https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202430</a> Select subject and course CRN
March 22, 2024	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 ensure there are no financial ramifications. **Withdrawal dates for non-semester length class can be found by going to the Spring 2024 Class Availability web url: <a href="https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202430">https://www.sis.hawaii.edu/uhdad/avail.classes?i=MAU&amp;t=202430</a> Select subject and course CRN. The grading option deadline coincides with the last day to withdraw from class ("W" on transcript)
March 22, 2024	Last day for Instructors to submit Fall 2022 Incomplete ("I") Make-up Grades to Admissions and Records Office
March 26, 2024	Holiday: Prince Jonah Kuhio Kalaniana'ole Day
March 29, 2024	Holiday: Good Friday
April 1, 2024	Early registration begins for the Summer and Fall 2024 Semesters
May 1, 2024	Last day of instruction
May 1, 2024	Last day to apply for Spring 2024 graduation (add degrees and certificates)
May 2 - 3, 2024	Reading Days (for full-term classes)
May 6 - 10, 2024	Final Evaluation Period
May 9, 2024	Spring 2024 Commencement Ceremony - Tentative
May 10, 2024	Last day of Spring 2024 semester
May 13, 2024	Faculty duty period official end date
May 14, 2024	Faculty grade submission deadline by 12:00PM (HST)
May 17, 2024	Spring 2024 Grades available via MyUH or STAR
May 20 - June 28, 2024	Summer Session I
July 1 - Aug 9, 2024	Summer Session II

The academic calendar is available at the Admissions and Records website.

<http://maui.hawaii.edu/academic-deadlines/>

# Degrees and Certificates

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## Degree Types

### Curricula

#### Baccalaureate

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

#### Associate in Arts

Curricula based on the natural sciences, arts and 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 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). 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.

#### 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.

#### 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, 200; 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.*

1. 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.
2. Natural Science: Agriculture 200/L, 253/L, 265/L; Anthropology 210L, 215; Aquaculture; Astronomy; Biochemistry; Biology; Botany 101L, 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.

3. 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.

## 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.

## 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.

## Certificate of Professional Development

Certificate of Professional Development (CPD): Non-credit career technical education courses that provide students with industry-specific job upgrading or entry-level skills. The issuance of a CPD requires that the students' work has been evaluated and stated outcomes have been met. The amount of training shall comply with the UH and UHCC policies on the definition of Credit Hour to be less than four (4) credit hours. Issuance of the CPD will not appear on the student transcript.

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: <https://www.hawaii.edu/>

## 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.

# Admission & Registration

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## Admission & Registration Information

- New students must complete the University of Hawaii System Application online at <http://maui.hawaii.edu/apply/>
- Returning UHMC students should contact Admissions & Records for information on the re-admittance process; call [808-984-3267](tel:808-984-3267). Complete applications must be submitted by application deadlines (*exception: see [International Students](#)*).
- Registration for credit courses is conducted via [STAR](#) only. In-person services are available at Admissions & Records in the Ho'okipa building, 8:30 am - 4:00 pm, and at the Hāna, Lahaina, Lāna'i, and Moloka'i 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 Hawai'i and Mainland students calling from outside Maui County is [1-800-479-6692](tel:1-800-479-6692).

## Application & Admission

### Admission Requirements

Any US citizen who has graduated from a US high school, has a GED (General Education Development) certificate, or is 18 years of age or older may attend Maui

College. High School students under 18 years of age may be eligible for a Dual Enrollment/Early College program.

Foreign citizens on immigrant visas who have been allowed to live in the US permanently but have not yet resided in Hawai'i for twelve months are subject to the Controlled Growth Policy.

Non-residents of the State of Hawai'i are accepted in limited numbers and are subject to the non-resident quota as mandated by the Controlled Growth Policy of the University of Hawai'i System. A \$25.00 fee is required for application. This fee is non-refundable, non-transferable and paid each time you apply. (See [Residency Section](#))

It is the policy of the University of Hawai'i to comply with Federal and State laws, which prohibit discrimination in University programs and activities.

Note the following terms are defined as:

- **Returning student:** A returning student is an undergraduate student who is returning after an absence of at least one fall or spring semester without having attended another college or university (except summers or adult extension classes in the interim).
- **Transfer student:** Anyone who has attended another college, prior to enrolling at Maui College.
- **Continuing Student:** Any student enrolled at Maui College in the current semester.
- **International student:** Any student who is admitted as a non-immigrant and requires a visa to study.
- **Early College student:** Anyone who is currently a high school student.
- **Faculty/Staff:** Any full-time University of Hawai'i employee.

## 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/](http://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, (808)-984-3286; or on Moloka'i by calling (808)- 553-4490, ext. 4.
- Hāna, Lahaina, Lāna'i, and Moloka'i Education Centers.
- [UH Maui College Application Guide](#)

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.

## Application Deadlines

Fall Semester: August 1

Spring Semester: December 15

Summer Semester: July 1

## Steps for Admission

- A University of Hawai'i (UH) System Application must be completed and submitted online at <https://uhcc2022.liasoncas.com/applicant-ux/#/login>
- A transcript of high school or college work may be required\*. Applicable course work completed at any regionally accredited U.S. college or university may be credited toward a Maui College degree or certificate or used to meet prerequisites for courses to be taken at Maui College. Students must:
  - a. Request that an official transcript be sent to the Admissions and Records Office (unofficial, hand-delivered, faxed, or issued to student transcripts will not be accepted, even in a sealed unopened envelope.);
  - b. Request that the transcript(s) be evaluated by completing a Transcript Evaluation Request form available online at <http://maui.hawaii.edu/forms/>. If Maui College does not have official transcripts, it is possible that the student will have to repeat work for which he or she has already earned credit and/or experience problems at registration.
- Applicants will be notified of their acceptance by email. Applicants should be sure that the college has both a valid email address and mailing address

on file. It is an applicant's responsibility to notify Admissions and Records if there is any change in email or mailing address.

- All new students must activate their MyUH account (UH Username) by going to <https://www.hawaii.edu/username/>, selecting "Get a UH username", and answering the questions.

Any and all documents received by the college are the property of the college and will not be released to a third party.

## Health Clearance Requirements for Registration

The State of Hawaii Department of Health (DOH), the Hawai'i Administrative Rules, Chapter 11-157 requires all students to meet health requirements before they attend any post-secondary institution in the State of Hawaii. For more information, please visit the [State of Hawaii Department of Health vaccines and immunizations website](#).

Certificate of TB (Tuberculosis) examination, MMR (Measles, Mumps, Rubella), and Varicella (chickenpox), and Tdap (tetanus-diphtheria-pertussis) immunization clearances are REQUIRED before you can register for in-person classes.

- **TB (Tuberculosis) Clearance:** TB Clearance was obtained twelve months before instruction or before or after age sixteen.
- **MMR (Measles-Mumps-Rubella):** Two doses of the Measles vaccine are required, with at least one of the two being Measles-Mumps-Rubella (MMR) vaccine. Doses are required to be administered after the age of 12 months and spaced at least one month apart. Doses given before 1968 are not valid. Students born before 1957 are exempt from this immunization requirement. In compliance with state law, we can no longer accept Mumps IgG blood tests as proof of immunity.
- **Varicella (chickenpox):** Two doses are required. Students born in the United States before 1980 are exempt from this immunization requirement. A signed, documented diagnosis or verification of a history of vaccine disease or herpes zoster by a practitioner may be substituted for a record of varicella vaccination. An MD, PA, DO, or NP must confirm evidence of varicella disease.
- **Tdap (Tetanus-diphtheria-pertussis):** One dose of Tdap administered after age 10.



## MED+PROCTOR

**The University of Hawai'i has partnered with Med+Proctor for the clearance of Health Immunization Records. As of spring 2023, all incoming students must use Med+Proctor to submit their Health Clearance/Immunization records.**

To submit your records for clearance, use the following instructions to create your Med+Proctor account:

### Step One: Register

- Ensure you have been admitted and have a HAWAII.EDU Username before completing this process. [Click here](#) if you need assistance with finding your username.
- Then go to [Med+Proctor](#) to register for an account.

### Step Two: Gather your documents

- If you have your health clearance records, you may upload that to Med+Proctor. Or if documentation is not available, you may download the [UH Health Clearance Form](#) and have a licensed medical provider complete the form. (A licensed provider can sign the form; it does not have to be the provider who originally vaccinated you.)

### Step Three: Upload

- Once you've collected all the necessary documents and/or your form has been completed and signed by a healthcare provider, log back into your account and upload it to Med+Proctor. (If you have proof of immunization from a pharmacy, you may upload those, and Med+Proctor will be able to verify this information.)

### Questions and Support

- If you have difficulty using MedProctor, you may contact MedProctor between 8 a.m. and 5 p.m. Central Time, Monday through Friday. During these hours, you can chat with their support agents directly from their [support site](#) or while completing your student workflow. You may also email [help@medproctor.com](mailto:help@medproctor.com) with questions and their support agents to take care of you.

\*\* Note: **YOU DO NOT NEED TO PAY FOR MED+PROCTOR SERVICES.** However, students may opt into a Med+Proctor membership for a one-time fee of

\$10. Membership provides lifetime access to your TB and immunization data. If you do not wish to take advantage of the membership, when asked to submit your records, choose the gray button at the bottom, which says "No, thank you. I do not want access to my documents."

Med+Proctor is HIPAA and FERPA-compliant. [Review their privacy policy.](#) For assistance with Med+Proctor, please visit [support.medproctor.com](https://support.medproctor.com) to live chat or email [help@medproctor.com](mailto:help@medproctor.com), and they will speak directly with you. Due to federal FERPA and HIPAA regulations, Med+Proctor does not offer telephone customer support to discuss student medical records or class hold status.

### Early College

Running Start and Early Admit students from public or private high schools will NOT need to submit Health Clearances provided they have up-to-date clearances from their respective high schools.

Early Admit homeschool students are required to turn in forms.

## Health and Accident Insurance

Low cost health insurance is available to UH Maui College students. All international students are required to enroll in a health and accident insurance program prior to their arrival in the United States. Applications for University approved and sponsored health plans are available online at [www.hmsa.com/portal/?gid=student](http://www.hmsa.com/portal/?gid=student).

For information, call the Maui College Health Center at [808-984-3493](tel:808-984-3493).

## 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 Hawai'i 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 at (808) 984-3267 for rules and regulations, international student admission requirements, and [international student steps to apply website](#).

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](#).
- Demonstrate English proficiency
- 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 for student health insurance per year is approximately \$5,000. More information on student health insurance plans is available [here](#) or from Admissions & Records.

International students are required to take a full course load (*a minimum of 12 credits a semester toward their program*).

Individuals from foreign countries who reside in the State of Hawai'i 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](tel:808-984-3267).

Arrangements for housing must be made prior to arrival.

## Registration

### Concurrent Registration

UH Maui College students may enroll in online/distance courses offered by any UH Community College for which they have met the prerequisite. *Concurrent registration* is enabled online through MyUH Services-[STAR GPS Registration](#).

Students may view the [schedule of classes](#) for all the UH campuses.

A distance learning website providing information on online courses and multi-campus distance delivery from the UH Community Colleges is available at: [www.hawaii.edu/dl/courses/](http://www.hawaii.edu/dl/courses/)

## Registration for Credit Courses

Registration into a course obligates you financially and academically even if you do not attend any classes or make payment by applicable deadlines. If payment in full is not received or you have not enrolled in the payment plan by the published deadline, the University of Hawai'i (UH) reserves the right to cancel your registration and/or place a financial hold on your student account which may deny you any further services such as future registration, request for transcripts, verification of student status request, etc.

Registration information and the listing of [Course Availability](#) are available for viewing online at the College's website.

Continuing students registered in credit courses the preceding semester are eligible for early registration for the next semester. [Registration timetable](#) information is available from the student's MyUH account.

Students not registered for at least one credit at a University of Hawai'i system campus in the preceding semester are not eligible to register. If it has been more than two years, you will need to [reapply to UHMC](#). If it has been less than two years, [contact Admissions](#). You may be able to skip the online application.

Tuition and all applicable fees must be paid in full on, or before, the published deadline or the student's registration may be cancelled. Students who register during the late registration period will be liable for all applicable tuition and other related fees for the classes taken, whether or not they attend those classes. Therefore, students are advised to officially withdraw from classes they do not plan to attend. Failure to withdraw will result in a financial obligation to the University of Hawai'i and may also result in a failing grade for the class(es) in question.

Students who register at more than one UH campus should pay particular attention to payment and other deadlines as they may vary from campus to campus. Deadline information is available at each campus website or contact the Admissions and Records Office at the campus offering the course.

Class attendance by persons not properly registered is prohibited. Any unofficial attendance does not provide a basis for later claim of registration or credit.

Registration for non-credit courses and specialized training is handled by the [Extended Learning and Workforce Development \(ELWD\)](#) at 808-984-3231.

[MyUH](#) is the University of Hawai'i's integrated student information system. Please remember to check your [UH email](#) regularly for important announcements from the University, as official correspondence is sent to that account.

The College reserves the right to make changes in certain fees, faculty assignments and time schedules, to cancel classes where necessary, and to set maximum limits for enrollment in certain classes. Notice of such changes will be given whenever possible.

## Residency

### Definition of Hawai'i

### Residency

**(The residency rules and regulations may be subject to change.)**

Students who do not qualify as bona fide residents of the State of Hawai'i, according to the University of Hawai'i (UH) 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 registration. Applicants may be required to provide documentation to verify residency status. Once classified as a nonresident, a student continues to be so classified during his/her enrollment at the college until he/she can present clear and convincing evidence to the residency officer that proves otherwise. Some of the more pertinent University residency regulations follow. For additional information, complete rules and regulations, or interpretation, contact the residency officer in the Admissions Office at 808-984-3267.

#### Definition of Hawai'i Residency

A student is deemed a resident of the State of Hawai'i for tuition purposes if the student has:

1. Demonstrated intent to permanently reside in Hawai'i (see below for evidences);
2. Been physically present in Hawai'i for the 12 consecutive months prior to the first day of

instruction, and subsequent to the demonstration of intent to make Hawai'i his or her legal residency; and

3. The student, whether adult or minor, has not been claimed as a dependent for tax purposes by her or his parents or, legal guardians who are not legal residents of Hawai'i.

To demonstrate the intent to make Hawai'i your legal residency, the following evidence apply:

1. Filing Hawai'i resident personal income tax return.
2. Voting/registering to vote in the State of Hawai'i.

Other evidence, such as permanent employment and ownership or continuous leasing of a dwelling in Hawai'i, may apply, but no single act is sufficient to establish residency in the State of Hawai'i.

Other legal factors involved in making a residency determination include:

- A. The 12 months of continuous residence in Hawai'i shall begin on the date upon which the first overt action (see evidences) is taken to make Hawai'i the permanent residence. Residence will be lost if it is interrupted during the 12 months immediately preceding the first day of instruction.
- B. Residency in Hawai'i and residency in another place cannot be held simultaneously.
- C. Presence in Hawai'i primarily to attend an institution of higher learning does not create resident status. A nonresident student enrolled for 6 credits or more during any term within the 12-month period is presumed to be in Hawai'i primarily to attend college. Such periods of enrollment cannot be applied toward the physical presence requirement.
- D. The residency of unmarried students who are minors follows that of the parents or legal guardian. Marriage emancipates a minor.
- E. Resident status, once acquired, will be lost by future voluntary action of the resident inconsistent with such status. However, Hawai'i 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 Hawai'i is claimed and maintained as the person's legal residence.

#### Board of Regents Exemptions

1. Nonresidents may be allowed to pay resident tuition if they qualify as one of the following:

- a. United States military personnel and their authorized dependents during the period such personnel are stationed in Hawai'i on active duty.
  - b. Members of the Hawai'i National Guard and Hawai'i-based Reserves.
  - c. Veterans who are eligible for GI Bill® benefits [Post 9/11 GI Bill® (Ch. 33); Montgomery GI Bill® (Ch. 30); or Veteran Readiness and Employment (VR&E) (Formerly known as *Vocational Rehabilitation and Employment - Ch. 31*)]; and their qualified spouse/dependents. (*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 Web site at <http://www.benefits.va.gov/gibill>.*)
  - d. Full-time employees of the University of Hawai'i and their spouses and legal dependents (as defined under Internal Revenue Service rules).
  - e. East-West Center student grantees pursuing a baccalaureate or advanced degrees.
  - f. 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 which does not provide public institutions that grant baccalaureate degrees may be allowed to pay 150% of the resident tuition. At the time of publication, these included the following: American Samoa, Commonwealth of the Northern Marianas, Cook Islands, Federated States of Micronesia, Futuna, Kiribati, Nauru, Niue, New Caledonia, Rapa Nui, 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, please contact the Admissions Office.

### Misrepresentation

A student or prospective student who provides incorrect information on any form or document intended for use in the 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 for information on how to initiate an

appeal. Appeals are heard by the University of Hawai'i Residency Appeals Board only after the non-resident tuition is paid.

### Residency Changes

If you are currently a non-resident but have established permanent residency in Hawai'i, you may petition for a change in residence status. For more information on residency requirements visit <http://maui.hawaii.edu/residency-requirements/>

## 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:
  - a. United States military personnel and their authorized dependents during the period such personnel are stationed in Hawai'i on active duty.
  - b. Members of the Hawai'i National Guard and Hawai'i-based Reserves.
  - c. Veterans who are eligible for GI Bill® benefits [Post 9/11 GI Bill® (Ch. 33); Montgomery GI Bill® (Ch. 30); or Veteran Readiness and Employment (VR&E) (Formerly known as *Vocational Rehabilitation and Employment - Ch. 31*)]; and their qualified spouse/dependents. (*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 Web site at <http://www.benefits.va.gov/gibill>.*)
  - d. Full-time employees of the University of Hawai'i and their spouses and legal dependents (as defined under Internal Revenue Service rules).
  - e. East-West Center student grantees pursuing a baccalaureate or advanced degrees.
  - f. 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 which does not provide public institutions that grant baccalaureate degrees may be allowed to pay 150% of the resident tuition. At the time of publication, these included the following: American Samoa, Commonwealth of the Northern Marianas, Cook Islands, Federated States of Micronesia, Futuna, Kiribati, Nauru, Niue, New Caledonia, Rapa Nui, 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, please contact the Admissions Office.

## Special Programs

### Early College Programs

Eligible high school students who demonstrate college readiness may concurrently enroll for coursework at Maui College while completing high school requirements.

High school students may attend college classes during the fall, spring, and summer terms while earning both high school and college credits.

#### **General Procedure for Enrolling in an Early College Program:**

- Contact your high school Early College Coordinator about the different early college programs (details below).
- Discuss the program you are interested in with your parent or legal guardian. Please understand these are college courses with higher-education-appropriate content.
- Submit an online [UH Application](#) Early College application.
- If you are receiving both high school and college credit for courses, complete a [Dual Credit Application](#) as well. See details below for other possible required enrollment forms specific to your program of choice.
- Review and complete EdReady placement for math and English classes. For more information on EdReady placement and testing visit [The Learning Center](#).
- Submit all required documents to your high school counselor who will then review and submit them to the Admissions and Records Office. If you are home schooled, please submit all required

documents directly to the Admissions & Records Office at Maui College, Ho'okipa Building, 310 W. Ka'ahumanu Ave. Kahului, HI 96732.

## Running Start Program

Running Start is a statewide program that provides an opportunity for qualified high school student 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. Interested students should check with their high school counselor and visit the [Early College and Dual Credit](#) website.

## Veterans Administration

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.

Maui College's Veterans Affairs Certifying Official is located in the Admissions and Records office and is responsible for certifying and monitoring veterans' enrollment, academic progress, and other academic information. For more information contact the Admissions and Records office at 808-984-3267 or email [uhmcva@hawaii.edu](mailto:uhmcva@hawaii.edu).

The U.S. Department of Veterans Affairs approves applications and makes decisions about eligibility, payments and issuance of checks. Students using VA Education benefits must see an academic counselor each term to validate their program courses and complete the [Academic Advising for Receiving Veterans Benefits Certification Form](#).

VA Standards of Progress - Veteran students and other Veterans Administration (VA) beneficiaries receiving educational benefits will be required to meet the Standards of Progress. To become eligible for VA educational benefits, a veteran or eligible dependent must enroll only in courses within his/her declared major, unless a change of major is approved. All veteran students receiving VA assistance must see the VA counselor for academic advising prior to registration. The minimum standards of satisfactory progress include the following procedures and requirements.

1. Students receiving VA educational benefits must maintain a minimum cumulative grade point average (CGPA) of 2.0 each semester.
2. A VA student whose CGPA falls below 2.0 at the end of any semester will be placed on academic probation for a maximum of two consecutive semesters of enrollment. If the VA student's CGPA is still below 2.0 at the end of the second consecutive semester of probation, the student's VA educational benefits will be terminated.
3. A VA student terminated from VA educational benefits due to unsatisfactory progress may petition the school to be recertified after attaining a CGPA of 2.0 or higher.

VA students and eligible beneficiaries utilizing VA benefits must provide official transcripts of previous education and training for review by the college. Maui College is required to review the transcript of previous education and training for all VA students and eligible beneficiaries in order to certify their enrollment.

The Veterans Resource Center at UH Maui College 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.  
[www.maui.hawaii.edu/veterans/](http://www.maui.hawaii.edu/veterans/) or by calling 808-984-3242.

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>

## Veterans Post-9/11 GI Bill® Benefits or Veteran Readiness and Employment (VR&E)

Any individual who is entitled to educational assistance under chapter 31, Veteran Readiness and Employment (VR&E) (Formerly known as *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.

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 Web site at <https://www.benefits.va.gov/gibill>.

## Student Services

### Books, Supplies, Tools

The cost for books, supplies and tools will vary according to courses taken and the student's major. Some courses are offered with Open Educational Resources (OER) and have no textbook cost. This information is included in the comments for classes during registration and listed as "TXTO". Some courses have an Interactive Digital Access Program (IDAP) fee which is automatically added to a student's MYUH account. The amount of the IDAP Rental charge will depend on the material being used in your course(s). See the [UH Bookstore](#) for more details about IDAP.

### MyUH Services & Star GPS

[MyUH Services](#) is the online University of Hawai'i student portal.

**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.

**STAR GPS**- Guided pathway including access to advising, registration, and career exploration tools. Visit <https://www.star.hawaii.edu/studentinterface/>

All students are required to obtain a MyUH Services account and register online at: [myuh.hawaii.edu/](http://myuh.hawaii.edu/).

## Placement Testing

Many programs at UH Maui College require Math or English placements or prerequisites. Students requiring a Math or English placement may use one of the following methods for placement. Visit the [Learning Center](#) for more information.

### 1. Submit Multiple Measures and Incoming Scores

Using alternatives to single high-stakes exam for placement into college level courses, UH Maui College accepts the following scores for placement into College-Level Math or English. Meeting with an academic advisor can help to determine which scores are appropriate for entry.

Incoming students can self-reported or provide copies of the following: Cumulative High School GPA of 2.6; High school grades in specified classes; and ACT, SAT, Smarter Balanced, GED, HiSET.

### 2. Take EdReady Math or English

UHMC is using EdReady College Readiness scores to help students determine their starting course for English and Math. After you complete the initial diagnostic test you can use your score to register for classes. You can also keep working on your learning path to improve your score. When you hit

a score milestone, you'll get an email letting you know the next math or English course you have qualified for.

### 3. Submit Previously Taken Accuplacer Results

The Accuplacer Placement test is used to place students in appropriate English and Math courses, and also identifies prerequisite skill levels for certain courses and programs. (If you took the COMPASS test within the past two years and want to use those scores for placement into classes, you do not need to take the Accuplacer test.)

**As of June 15th, 2020, new students without placement scores or other [multiple measures](#) will be required to take [EdReady Math and English](#). The University will still accept Accuplacer scores taken within 2 years of entry**

## Transcripts

### Transcript Evaluation

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.

Veteran Affairs (VA), military students, and eligible beneficiaries utilizing VA benefits 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.

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](http://maui.hawaii.edu/transfer-credit)

## Official Transcript Requests

The Admissions & Records Office provides official transcripts reflecting coursework and grades for all credit courses taken at the University of Hawaii Maui College (UHMC). For courses taken at another UH campus, a transcript request must be placed at that UH campus. Current students can view and print their academic record in MyUH via [STAR](#). See <http://maui.hawaii.edu/transcripts/> for more information.

- All transcripts released directly to the student are stamped "Issued to Student" in a sealed envelope.
- Hold-for-Grades transcripts are normally sent out within 2 weeks of semester grades being posted.
- Hold-for-Degree transcripts are processed once a degree has been conferred, generally 6-8 weeks after the semester ends.
- Transcript Requests submitted by fax or phone will **NOT** be accepted.

## Tuition & Fees

### Refund Policy

Several refund policies are applicable:

#### Regular Academic Semester (16 weeks)

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% tuition refund for complete withdrawal only if made on or before the last day of late registration and published refund schedule on the [academic calendar](#).
- 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.

#### Part of Term Classes (modular/accelerated courses)

The last day to drop classes for 100% refund for all non-standard term (i.e. modular/part of term) and summer classes will be on the 2nd day of instruction. For refund information or withdrawal dates for specific part of term courses see the [Schedule of classes](#) for subjects and CRN.

#### Summer sessions

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:



- The last day to drop classes for 100% refund for all non-standard term (i.e. modular/part of term) and summer classes will be on the 2nd 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 refund information or withdrawal dates for specific part of term courses see the [Schedule of classes](#) for subjects and CRN.

*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 [808-984-3277](tel:808-984-3277).

## Student Life/Activity, Student Government, BOSP, Student Health, and Student Technology Fees

- 100% refund of student activity fee, student government, student health fee, board of student publications fee, and student technology fee if complete withdrawal is made on or before the last day of late registration.
- No refund of student activity, student government, student health, board of student publications, and student technology fee if complete withdrawal is made on or before the last day of late registration.
- 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.

### 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.

## 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

All 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

All 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 support 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

All students enrolled in Kahului campus sections are charged a \$15.00 student health fee at registration.

A Summer Session student health fee of \$15.00 is also assessed.

### Culinary Professional Fee

All 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

At registration, a non-refundable \$500.00 nursing professional fee is charged to Nursing Program majors.

### Dental Hygiene Fee

A non-refundable \$500.00 Dental Hygiene professional fee is charged to Dental Hygiene program majors at 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. According to the Refund Schedule of Tuition and Fees, students are also assessed or rebated tuition and fees, as applicable.

### Student Publication Fee

A \$4 Board of Student Publication (BOSP) fee is charged to all students at registration. The fee covers the cost to produce approximately four student newspapers per semester and an annual literary journal.

### Associate Degree and Certificate of Achievement English and Hawaiian Diploma Fees

A \$25 fee is payable when the graduation application is submitted.

Graduation application deadlines are:

Fall Semester - last day of instruction

Spring Semester - last day of instruction

*For spring semester graduation applicants only, students must apply for graduation by April 15 to have their name included in the commencement program.*

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 when the 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 for transcripts sent to another college within the UH system is not charged. Transcripts are usually processed within seven business days. A \$15 rush fee for transcripts requested within two business days is charged. Transcript Request Forms are available at Admissions & Records; at the Hāna, Lahaina, Lāna'i, and Moloka'i Education Centers; and online at: <https://maui.hawaii.edu/transcripts/>.

# Student Services

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## Career & Transfer Advisory

Counselors provide information regarding transfer from UHMC to other colleges and universities. Students that meet with an academic counselor in the beginning of their educational journey may have a clear and detailed list of future degree requirements. The academic advising process with an academic counselor includes career and academic planning. As a result, courses completed at UHMC may transfer and fulfill degree requirements at another institution.

Students planning to transfer to UH Mānoa, UH Hilo, or UH West Oʻahu should discuss their educational goals with a UHMC academic counselor as soon as possible. Academic counselors may be able to recommend courses students can complete at UHMC prior to transferring to another campus. Students who intend to transfer are highly encouraged to verify UHMC course selection and equivalency with an academic counselor at the receiving institution prior to the start of each registration period.

### Transfer to UH Mānoa

Students transferring to UH Mānoa are encouraged to join the [Kaʻieʻie Transfer Program](#). The Kaʻieʻie Transfer Program is designed to assist students with transferring from UH Maui College to UH Mānoa by developing a four-year academic plan, getting the \$200 tuition deposit waived upon transfer, and more.

### Transfer to UH Hilo

Students planning to transfer to University of Hawaiʻi at Hilo are encouraged to connect with an academic counselor. Students may book an appointment with an Admissions Transfer Counselor by contacting the UH Hilo Admissions Office at [uhammad@hawaii.edu](mailto:uhammad@hawaii.edu) or 808-932-7446.

### Transfer to UH West Oʻahu

Students planning to transfer to University of Hawaiʻi at West Oʻahu are encouraged to connect with a UH West Oʻahu academic counselor. Students may contact the UHWO Admissions & Records at [uhwo.admissions@hawaii.edu](mailto:uhwo.admissions@hawaii.edu) or 808-689-2900.

## 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 assist each individual with navigating their educational goals and to reach their fullest potential.

For information, call [808-984-3306](tel:808-984-3306) to schedule an appointment with an academic counselor.

## Academic Counseling

Counselors assist individuals throughout the educational process and journey by working with students to develop their educational plan and in the selection of 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 to assist students with applying for graduation. It is highly recommended that all students make an academic advising appointment prior to the start of their last semester. The counselor will work with the student to check on the status 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.

## 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 Hawaiʻi 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](tel:808-956-9250).

Students: Office of the Vice Chancellor for Student Affairs – Debra Nakama, [debran@hawaii.edu](mailto:debran@hawaii.edu) Phone: [808-984-3515](tel:808-984-3515)

Employees: Office of the Vice Chancellor for  
Administrative Affairs – David  
Tamanaha, [davidt@hawaii.edu](mailto:davidt@hawaii.edu) Phone: [808-984-3253](tel:808-984-3253)

## Services for Deaf and Hard of Hearing

Deaf and Hard of Hearing individuals desiring information may contact the College by calling Relay Hawai'i Services by dialing 711 to speak to a relay operator.

## Services for Students with Disabilities

UH Maui College is committed to providing all students with equal access to its academic courses, educational programs, and related services. 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.

All UH Maui College students with documented disabilities, either permanent or temporary, who voluntarily disclose their disability status to the Accommodation Services Office may be provided with reasonable 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.

Before receiving reasonable accommodations, students must self-identify their request for services and complete the intake process by indicating specific academic accommodations/auxiliary aids and providing supporting documentation. Students desiring academic accommodations are advised to contact the Accommodation Services Counselor by phone at 808-984-3227 or email at [uhmcds@hawaii.edu](mailto:uhmcds@hawaii.edu) as early as possible so that services may be arranged on a timely basis.

## 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/](http://myuh.hawaii.edu/).

For more information, contact the Counseling Center at [808-984-3306](tel:808-984-3306).

## Student Government

The Associated Students of the University of Hawaii Maui College (ASUHMC), otherwise known as the Student Government Council, is an official chartered student organization whose mission is to provide representation, services, and advocacy within the Maui College campus community. Through representing the student voice, the ASUHMC provides an avenue for students to express collective opinions, as well as organize and advocate for student-related issues.

The Student Government Council is committed to responsibly administering Student Activity fees as well as the social, cultural, and educational development of its members. Students are invited to participate in the College's development by serving on council committees.

For more information, please email Student Life at [uhmslife@hawaii.edu](mailto:uhmslife@hawaii.edu) or call [808-984-3434](tel:808-984-3434).

## Student Life & Campus Activities

The college experience is much more than just a degree. Through Student Life, we hope to provide opportunities that enhance your academic involvement, engage in student leadership, and increase fellowship activities and community service. Student Life strives to make your college experience special...the connections and memories you make outside of the classroom will last a lifetime. It is our mission to help you broaden your horizons, connect with a new perspective, and find your community.

Through a wide spectrum of activities, workshops, and forums that promote student engagement, Student Life aims to increase opportunities for participation while providing services that assist students with individual challenges and realizing their educational goals.

Student Life also oversees and manages our fitness center, UH Maui Fit, Student Government, Campus Clubs, the UH Maui Mobile App, Esports, NSLS Leadership Society, Student ID's, Campus Tours, and the Student Lounge.

For more information, please email Student Life at [uhmslife@hawaii.edu](mailto:uhmslife@hawaii.edu) or call [808-984-3434](tel:808-984-3434).

## Student Publications

The Board of Student Publications (BOSP) supports students who participate in and learn from opportunities related to publications, social media, marketing, and advertising while offering an avenue to express and showcase their creativity. The department provides a supportive environment and the professional resources to ensure an optimal learning experience. The primary objective of the BOSP is to provide valuable experience to aspiring student writers, editors, photographers, designers and advertising professionals.

BOSP also provides the oversight, administrative coordination, and support for the publishing of the student newspaper, Ho'oulu.

For more information, please email Student Life at [uhmslife@hawaii.edu](mailto:uhmslife@hawaii.edu) or call [808-984-3434](tel:808-984-3434).

## Student Right to Know

In compliance with federal law, consumer information is disseminated to all UH Maui College students every semester via student email. Paper copies of the consumer information are available in the Office of the Vice Chancellor for Student Affairs in Ho'okipa Building, and in the Office of Student Life in Pilina Building. The consumer information is also available online at: <http://maui.hawaii.edu/consumerinfo/>

## Academic & Campus Services

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### 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, equipment loans, computer and media labs, designated group and silent study spaces, and thousands of print and electronic books, articles, and media to help with your research and pique your curiosity.

Access to library materials and research help is available at the physical library or online at [www.maui.hawaii.edu/library/](http://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](http://maui.hawaii.edu/helpdesk) or by simply emailing [uhmchelp@hawaii.edu](mailto:uhmchelp@hawaii.edu) with a description of your issue.

The help desk can also be reached via phone at [808-984-3283](tel: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 10:00am–2:00pm, (excluding state and federal holidays).

For more information, call [808-984-3248](tel:808-984-3248) or email [mauibook@hawaii.edu](mailto:mauibook@hawaii.edu). Or visit the Bookstore website at: [www.bookstore.hawaii.edu/maui/](http://www.bookstore.hawaii.edu/maui/)

## Kāko‘o Student Support

Kāko‘o Student Support is located in the library and offers an array of services including tutoring, essay review, technology loans, study rooms, learning and writing resources and workshops and research help.

Kāko‘o Tutoring Services offers both online and in-person sessions in a variety of subjects. Expert tutors ask questions, give suggestions, and tailor their tutoring techniques for each student and assignment.

Tutorial support includes professional and peer assistance in reading, writing, math, study skills, foreign languages, and other subject areas upon tutor availability. Campus wide workshops on study skills, reading, and writing skills are offered.

Professional staff, student assistants, and peer tutors are available in to assist students. Students may receive assistance on an appointment or walk-in basis.

For more info, visit our program page at <https://maui.hawaii.edu/kakoo/>

## 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 [808-984-3493](tel:808-984-3493).

## 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. Regular attendance is a requirement, therefore children are encouraged to attend school daily to fully benefit from program services. 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](tel:808-249-2988)

## Financial Aid

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### 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 [808-984-3277](tel:808-984-3277).

### 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 [808-984-3277](tel:808-984-3277), or email [mauifa@hawaii.edu](mailto: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.

**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: <https://studentaid.gov/h/apply-for-aid/fafsa>**

The information contained in the FAFSA is used to determine student's 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 on 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 at <https://studentaid.gov/h/apply-for-aid/fafsa>.

Log on to: <https://studentaid.gov/h/apply-for-aid/fafsa>

1. Select *Make correction to a processed FAFSA*.

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](mailto: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

### 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.

### 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.

### 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 [\(808\) 984-3318](tel:808-984-3318).

## 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.

## Financial Aid Satisfactory Academic Progress

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.

The minimum Satisfactory Academic Progress requirements are maintaining all of the following:

- 2.0 GPA
- 67% Completion Rate of courses attempted
- making timely progress towards your declared degree, specifically, students may receive financial aid for 150% of their degree's credit requirements.

In order to be eligible for financial aid the student must meet specific academic requirements. Financial aid calculations for GPA, as well as, credits earned and attempted includes all home campus and transfer

coursework ever taken. These calculations may be different from what the student sees on their academic transcript. The minimum academic requirements and the student's current status can be viewed in their [MyUH Services portal](#).

For more information please visit <http://maui.hawaii.edu/financial/sap-satisfactory-academic-progress/>

## State & Institutional Financial Aid

### Hawai'i B+ Scholarship

This scholarship is available to recent Hawai'i 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.

### 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.

### UH Maui College Scholarships

Institutional scholarships are available for certain target groups of students. Visit [www.maui.hawaii.edu/scholarships/](http://www.maui.hawaii.edu/scholarships/) for more information.

## 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 or 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 the 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 the 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.*

## 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.

## Special Curricula

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### 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 journey-workers.

For more information, call [\(808\) 984-3404](tel:8089843404).

### CareerLink

CareerLink is staffed intermittently Monday through Friday, from 9:00 am - 4:00 pm; as appointments are highly recommended using STAR Balance. The center is located in Laulima Building Room 101.

On-campus University of Hawaii Maui College (UHMC) student employment job postings visit [sece.its.hawaii.edu/sece/](http://sece.its.hawaii.edu/sece/). A “hawaii.edu/” email account is required to access this site.

Off-campus jobs may be accessed through the same website for non-UH employers. If you have any issues accessing the site, please contact us below.

In partnership with the County of Maui Workforce Development Department and the American Job Center, we encourage employers to utilize [www.mcvjf.com](http://www.mcvjf.com) a collaborative website to share Maui Job postings for Maui job seekers.

CareerLink offers career readiness skills, the Cooperative Education Program (credit-based internships), cover letter and resume assistance; professional development workshops; and online resources (e.g., Career Spots, HireNet Hawai'i, and SECE website assistance for students and off-campus job postings.)

For information, call **(808) 984-3318** or visit: [www.maui.hawaii.edu/careerlink/](http://www.maui.hawaii.edu/careerlink/).

## 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 a student's major.
- gaining practical on-the-job experience that fosters hands-on development of skills, competencies, and interest in a specific occupation or career field.
- participation in field experiences that can help to validate a career choice(s).
- enhancing employability skills, improve resume and cover letter development, earning capability, and the potential for career advancement.
- exploration or transition towards or into new careers.
- earning possibility for employers that opt-in for paid-internship experience. Income is 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 Lulima for online course

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
- Business Administration - BUS 193v
- Business Technology - BUSN 193v\*
- Construction Technology – CASE 193v\*
- Electronic Computer Engineering Technology - ETRO 193v\*
- Fashion Technology - FT 93v
- Liberal Art majors are encouraged to enroll in CASE 193v\*\*
- Applied Business Information Technology – BUS 393v

*Courses lower than 100-level may not count toward a specific academic program. Contact your counselor to confirm.*

\*Coop classes that are required for students to enroll in as part of their academic program requirements.

\*\*1<sup>st</sup> year college students and 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 academic program requirements and are based on one credit enrollment = 75 hours of work-based learning. Two credits = 150-internship hours and Three credits = 225 hours. 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 **(808) 984-3318**, or visit Career Link in the Lulima Building, Room 101, for information and assistance.

## 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.

## 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.

## 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 Hawai'i by providing education, access to industry leaders, and a shared-use food business incubator and processing facility with an array of resources and technologies to elevate and foster their growth.

For more information, call [\(808\) 984-3690](tel:8089843690), visit <http://maui.hawaii.edu/foodinnovation/>, or email [uhmcmfic@hawaii.edu](mailto:uhmcmfic@hawaii.edu).

## 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. 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 customized training, call [\(808\) 984-3499](tel:8089843499) or visit the website: <http://maui.hawaii.edu/mli/>

## 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.*

## 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. See the [transfer and articulation](#) website for a full listing.

## 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.*

## College Policies

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### Academic Policies

#### Academic Dishonesty

UHMC has a [Student Conduct Code](#) which defines expected conduct for students.

The following are examples of the types of behavior that conflict with the standards that UH values and expects of students. Engaging in, or attempting to engage in any of these behaviors subjects a student to the disciplinary process and sanctions on each campus.

Acts of dishonesty, including but not limited to the following:

- Cheating, plagiarism, or other forms of academic dishonesty.
- Cheating is an act of academic dishonesty and includes, but is not limited to: (1) use of any unauthorized assistance in taking quizzes, tests, or examinations; (2) use of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; (3) the acquisition, without permission, of tests or other academic material belonging to a member of the UH faculty, staff or student body; and (4) engaging in any behavior specifically prohibited by a faculty member in the course syllabus or class discussion.
- Plagiarism is also an act of academic dishonesty and includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.
- Furnishing false information to any UH official, faculty member, or office
- Forgery, alteration, or misuse of any UH document, record, or form of identification.

### 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.

### 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 probation 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.

## 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.

## 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 a term GPA below 2.0 for two consecutive semesters will be suspended.

## 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.

## 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.

## Removal from Probation

Students will be removed from probation once the cumulative GPA is raised to 2.0 or higher.

## 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 allows students with coursework older than three (3) years old, an opportunity to exclude that coursework for select purposes once they have demonstrated new academic responsibility. The [Academic Renewal Request Form](#) shall be initiated by the student. 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.

## 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.

This policy is in alignment with the UH System policy: Student Participation Verification in Coursework [UH PPIS 7.209](#)

## 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.

Contact the counseling department at [\(808\) 984-3306](tel:8089843306) for further information.

## 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).

Credits	Class Standing
0-29	Freshman
30-59	Sophomore
60-89	Junior
90-120	Senior

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.*

## 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 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.

## Courses of Instruction

Courses of instruction can be viewed at <https://catalog.maui.hawaii.edu/classes>.

## Credit Hour

UHCC Policy Chapter 5, Academic Affairs  
UHCC Policy 5.228, Credit Hour

- A. Policy
1. A credit hour is an amount of work represented in intended student learning outcomes and verified by evidence of student achievement. Reasonably approximates but is not less than:
    - a. Fifty minutes to one hour of class or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately 15 weeks for one semester or the equivalent amount of work over a different period of time. OR
    - b. At least an equivalent amount of work for other academic activities such as distance education instruction (instruction delivered synchronously or asynchronously using one or more technologies that support regular and substantive interaction between students who are separated from the instructor), laboratory work, internships, practical, studio work and other work that earns academic credit.
  2. Across the UHCC System, a credit is defined as 45 hours of direct and indirect instructional, student work within a standard semester or equivalent term of study (accelerated terms, summer terms, etc.). In general, this reflects the expected work a student, prepared for the class, would need to achieve the intended student learning outcomes.

## 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.

# Grade Reports

Grade Reports/transcripts (unofficial) are viewable online at [MyUH Services](#). To request an [official transcript](#), online or in-person, please see the information on our [Admissions and Records page](#).

# 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.

## 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 at [star.hawaii.edu](http://star.hawaii.edu). 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 requirements 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.

## 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.

[Click to request Hawaiian or Second Language Back Credits.](#)

## 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 certificates. *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.



## Methods of Instruction

**In-Person** instructional time is met via in-person meetings.

**Online Scheduled (Synchronous)** instructional time is met via online scheduled meetings at the published dates and time or day(s) of week and time.

**Online Unscheduled (Asynchronous)** instructional time is met via online activities. Instructors may **not require** students to meet at a specific time.

**Hybrid** instructional time is met via in-person meetings and online activities. Each student must participate in both in-person and online activities to qualify as a hybrid class.

## 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 assessed are based on the PLA option.

Visit <http://maui.hawaii.edu/pla/> for more information or contact the Academic Affairs office at (808) 984-3232 for further information.

## 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.

## 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 [\(808\) 984-3272](tel:8089843272).

**DSST.** Credit may be earned for courses parallel to those offered by the College by taking DAN TES 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.

## 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.

## Scholastic Honors

### 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.

### 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 [martinsh@hawaii.edu](mailto:martinsh@hawaii.edu)

### 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.

## 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 this [Transcript Evaluation Request form](#).

## 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](http://laulima.hawaii.edu).

## Writing Intensive Courses

### UHMC—Writing Intensive mission statement:

At UHMC, courses designated *Writing Intensive* provide students greater opportunities to explore and express their ideas thru writing. In smaller classes with more instructor attention, WI courses support students in the application of college-level thinking and writing.

The College offers a series of writing intensive courses in which students engage in formal and informal writing assignments. 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., HWST 107 WI-Hawai'i: Center of the Pacific).

## 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 <sup>1 2 3</sup>
FS	Foundations Symbolic Reasoning <sup>3</sup>
HI	Hawai'i Emphasis <sup>1</sup>

<sup>1</sup> Note: For courses meeting Hawaiian, Asian, and Pacific Issues (HAP) requirement at other UH colleges, check with an academic advisor.

<sup>2</sup> 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.

<sup>3</sup> Note: See [Quantitative Reasoning \(FQ\)](#).

## Admissions & Records

### 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.

Contact the counseling department at [\(808\) 984-3306](tel:808-984-3306) for further information.

### 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 may be made at [MyUH Services](#) or you can use the forms below.

- [Change of Address/Phone Number Form](#)
- [Change of Major Form](#)
- [Change of Name/Preferred Name Form](#)

## Change in Registration: Add, Drop, 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. Students may drop courses before 60% of the course period has passed. For specific drop deadlines, please refer to the [schedule of classes](#) and click on your specific semester and course. Please make requests using the electronic forms below. See section on [Tuition & Fees](#) for changes in cost.

- [Course Add Request Form](#)
- [Course Drop Request Form](#)

## Campus Safety & Policies

### 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. This policy is not applicable to animals related to instructional and/or research activity.

For the complete Maui College policy visit <http://maui.hawaii.edu/policies/> or the University of Hawai'i policy regarding service animals at [UH PPIS- EP 1.207](#).

### 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.

## 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.

In an emergency on Kahului campus:

- Campus Security at [\(808\) 984-3255](tel:8089843255);
- Maui Police Department at 911 (or 9-911 from an inside line);
- Campus Security Chief at [\(808\) 984-3576](tel:8089843576)

## 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](http://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](tel:8089843515) or [debran@hawaii.edu](mailto: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)*

## 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.

## 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!

For the College smoking policy and more information, contact the Vice Chancellor of Administrative Affairs at [\(808\) 984-3253](tel:8089843253).

## Course Policies

### Credit Hour

All classes require students to spend out-of-class time, as well as in-class time for in-person classes. In-person 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.

This policy is in alignment with the [UHCC 5.228 Credit Hour policy](#).

## 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 hours/week	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

Students are allowed to register for up to 18 credits in the fall and spring terms. Starting the week before the first week of instruction, students may enroll for additional credits with approval of a counselor.

## Final Exams

A final evaluation period is designated for the end of each semester. Instructors are required to use the assigned times during the final evaluation period. The schedule is available at <https://maui.hawaii.edu/registration/#finaleval> and is updated yearly.

## 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.

## Student Rights & Responsibilities

## Career and Technical Education Non-Discrimination Policies

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:

- Shawna Pabingwit, Interim Title IX Coordinator, EEO/AA Coordinator, 808-984-3601
- Laura Lees Nagle, Title IX Deputy Coordinator for Students, 808-984-3475
- Susan Tokunaga, (Personnel Manager), Section 504 Coordinator – Employees, 808-984-3380
- Accommodations Services Counselor, Section 504 Coordinator – Students, 808-984-3227 or email at [uhmcads@hawaii.edu](mailto:uhmcads@hawaii.edu).

Hearing impaired individuals may contact the College for information by using the telecommunications device for the deaf (TDD) relay service number 711. Information about the programs, services, activities, and facilities that are available to persons with disabilities can be obtained by contacting the Accommodations Services Counselor at 808-984-3227 or email at [uhmcads@hawaii.edu](mailto:uhmcads@hawaii.edu).

*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.*

*The University of Hawai'i is an equal opportunity/affirmative action institution.*

## 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:

Shawna Pabingwit, EEO/AA Coordinator  
Pilina 133, phone [\(808\) 984-3601](tel:8089843601).

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 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:

Christine Chun  
Director of EEO/AA  
UH Community Colleges  
2327 Dole St.  
Honolulu, HI 96822  
Phone: [\(808\) 956-4650](tel:8089564650)

## Family Education Rights and Privacy of Students (FERPA)

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](tel:808-984-3512) or the UH Maui College Admissions & Records Office [\(808\) 984-3267](tel:808-984-3267).

## 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.

## Non-Discrimination and Affirmative Action

It is the policy of the University of Hawai'i 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*)
- Hawai'i 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 Hawai'i 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 Shawna Pabingwit, phone 808-984-3601.

Individuals designated to coordinate the UH Community College nondiscrimination and affirmative action programs are:

### **EEO/AA UH Community Colleges**

Christine Chun  
2327 Dole Street  
Honolulu, Hawai'i 96822  
Phone: 808-956-4650 (VIT)

### **Title IX Coordinator**

Shawna Pabingwit  
Title IX Coordinator  
UH Maui College  
808-984-3601

## EEO/AA Coordinator UH Maui College

Shawna Pabingwit  
Title IX Coordinator  
UH Maui College  
808-984-3601

### Section 504 Coordinator - Students

Kehau Newhouse  
Disability Services Counselor  
UH Maui College  
808-984-3227

### Section 504 Coordinator - Employees

Barbara Ornellas  
Interim Personnel Manager  
UH Maui College  
808-984-3381

## 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](tel:1.800.397.6251) | TTY [1.877.889.5627](tel:1.877.889.5627) | [www.dol.gov/ofccp](http://www.dol.gov/ofccp)

## Policy on Email Communication

Executive Policy EP 2.213, pertaining to UH System and campus-wide electronic channels for communicating with students, establishes email as an official means of communication within the University. Email may be used for notification of legal action, financial notice, and academic or disciplinary action such as academic warning, probation, or suspension.

The University provides each student, faculty, and staff an official UH Username and *hawaii.edu* address.

Students are encouraged to log in regularly to access email, web announcements, and UH online services, including registration

Executive Policy EP 2.213 is available at [hawaii.edu/policy](http://hawaii.edu/policy)

## 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/](http://www.maui.hawaii.edu/title-ix/), see "[EP1.204: Policy and Procedure on Sex Discrimination and Gender-Based Violence](#)"; or for more information, contact:

Shawna Pabingwit  
Interim Title IX/EEO/AA Coordinator  
Phone: [\(808\) 984-3601](tel:8089843601)

## Professional Licensure Information

Licensure information for UH Maui College programs is provided below.

### Associate in Applied Science in Automotive Technology (AAS-AMT)

The Automotive Technology program curriculum is aligned with the accrediting bodies of Automotive

Service Excellence (ASE) and the National Automotive Technicians Education Foundation (NATEF). Graduates are eligible to take the ASE Certification test. The [State of Hawai'i](#) requires both the repair shop and the mechanic to be licensed. Additional requirements for automotive technicians include two years of on the job training or one year of on the job training and a two-year degree in automotive repair to qualify for certification. State certification information can be found at <http://asecertificationtraining.com>.

## Associate of Science Degree in Dental Hygiene (AS-DH)

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](#). Each State has its own requirements but they all require the NDHBE results and clinical exam.

## Associate of Science Degree in Nursing - Registered Nurse (AS-NURS) & Certificate of Achievement in Practical Nursing (CA-PRCN)

The Nursing program is accredited by the Accreditation Commission for Education in Nursing (ACEN). Graduates are deemed eligible by the State of Hawai'i Board of Nursing to take the Licensed Practical Nurse or Registered Nurse examination and apply for licensure in the State of Hawai'i. [The National Council of State Boards of Nursing \(NCSBN\)](#) issues national, uniform requirements for licensure by exam or endorsement, renewals and reinstatement. These include proof of completion of an approved nursing education program, successful completion of the NCLEX exam, proficiency in English, and self-disclosure of misdemeanors, felonies and substance abuse. However, each state's Nursing Practice Act outlines its unique requirements. From state to state, license application fees, length of application process, renewal timelines and requirements, clinical hours served, continued education units (CEU), and temporary practice permits vary. Here is a link to certification and licensure information for all 50 States: <https://nursinglicensemap.com/states/>.

## Out of State Students

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. If you intend to seek

certification or work in another state, it is highly recommended that you contact the state that you intend to work in to determine the requirements for certification and the ability to work in that state. The University of Hawai'i Maui College is a member of the National Council for State Authorization Reciprocity Agreements (NC-SARA). This allows us to offer distance education to students in member states without seeking individual state's approval. More information on professional licensure can be found on the [NC-SARA webpage](#).

## Student Academic Grievance

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 policy and procedures for a student academic grievance is found at: <https://maui.hawaii.edu/wp-content/uploads/2012/10/academic-grievance-policy.pdf>

## 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/](http://www.maui.hawaii.edu/services-for-students/), see *Student Rights and Responsibilities*.

# Transfer Information

## 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 ([UH PPIS EP 5.209](#)). 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) are transferred back to UH Maui College to satisfy associate degree requirements.

Contact the admissions & records office at [\(808\) 984-3267 ext. 4](#) for more information about the official transcript process.

Contact the counseling department at [\(808\) 984-3306](#) for academic advising assistance.

## Transfer Credit to Maui College

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](http://maui.hawaii.edu/transfer-credit)

## Transfer to 4-Year Institutions

Four-year colleges and universities have different lower division and educational 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 reaching out to a representative at the intended transfer institution to identify the 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 every semester before registering for courses.

## Faculty and Staff

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### Administration

HOKOANA, Lui, Chancellor [808-984-3636](tel:808-984-3636)  
BA, University of Hawai'i at Hilo; MA, University of Hawai'i at Mānoa;  
EdD, University of Southern California

ISHIHARA, Kulamanu, Interim Vice Chancellor of Student Affairs [808-984-3515](tel:808-984-3515)  
BA, University of Hawai'i at Mānoa; MSCP, Chaminade University

TAMANAHA, David, Vice Chancellor of Administrative Affairs [808-984-3253](tel:808-984-3253)  
BBA, MBA, University of Hawai'i at Mānoa

DUKELow, Kahele, Vice Chancellor of Academic Affairs [808-984-3346](tel:808-984-3346)  
BA, MEdT, University of Hawai'i at Mānoa

NAGLE, Laura Lees, Dean of Career and Technical Education [808-984-3475](tel:808-984-3475)  
BA, Amherst College; MEd, Harvard University

HANADA, T. Karen, Director, University of Hawai'i Center Maui; Director, Extended Learning and Workforce Development; Interim Director, Maui Language Institute [808-984-3527](tel:808-984-3527)  
BA, MBA, University of Hawai'i at Mānoa; CELTA Cambridge English

MOTO, Brian, Special Assistant to the Chancellor [808-984-3656](tel:808-984-3656)  
BBA, University of Hawai'i at Mānoa; MA, Yale Divinity School; JD, University of Michigan

### Retired & Emeritus Faculty

#### Professor Emeritus

Steve George

B.K. Griesemer

Donna Haytko-Paoa

Mikahala Helm

Michele Katsutani

Bert Kikuchi

Vincent Linares

Dick Mayer

Diane Meyer

Wanda McMaster

Bruce Palmer

Victor Pellegrino

Jean Ann Pezzoli

John Pye

Dorothy Pyle

Ernie Rezens

Bobby Santos

Karen Tanaka

Dorothy Tolliver

Elaine Yamashita

Lynn David Yankowski

### Retired Faculty

Kate Acks

Mike Albert

Ann Arakawa

Liz D'Argy

Marion Blanton

James Boswell

Maggie Bruck

Bruce Butler

Charles Carletta

Doris Casey

Margaret Christensen

Winifred Chung

Denise Cohen  
Bud Clark  
Frannie Coopersmith  
Herb Coyle  
Ron Daniels  
Hiroko DeLeon  
Bertha Drayson  
Michelle Driscoll  
Ann Emmsley  
Noreen Erony  
Doug Field  
Molli Fleming  
Kathryn Fletcher  
Dawn Freels  
Hajime Fujimoto  
Craig Gardner  
Lois Greenwood  
David Grooms  
Benjamin Guerrero  
Mark Hoffman  
A. Bruce Hughes  
Sally Irwin  
Malia Johnson  
Nancy Johnson  
Marge G. Kelm  
Lillian Kobayashi  
Joe Kong  
Hollis Lee  
Ralph Lyon  
Cheryl Maeda

Lillian Magnum  
Wallace Matsuda  
Richard Miller  
Johanna Moore  
Debra Nakama  
Ellen Nakasone  
Robert Oishi  
Jennifer Owen  
Cyrilla Pascual  
Walette Pellegrino  
Rosemary Perreira  
Carol Petith-Zbiciak  
Kī'ope Raymond  
Renee Riley  
Suzette Robinson  
Clifford Rutherford  
George Sano  
George Seriguchi  
Colleen Shishido  
Teresa Shurilla  
Mark Slattery  
Chris Speere  
Don Sprinkle  
Lee Stein  
Sandra Swanson  
Alvin Tagomori  
Dennis Tanga  
Marvin Tengan  
Catherine Thompson  
Gertrude Ueoka

Rosemary Vierra

Maggie Ward

Alfred Wolf

Tom Wright

Marti Wukelic

## Faculty and Staff Awards



### Excellence in Teaching Award 2022-2023

Dr. Kevin Omuro



### Excellence in Service Award 2022-2023

Bryan Hieda

## Faculty

Aguiran, Wayne, Associate Professor, Counselor  
[808-984-3327](tel:808-984-3327)

BSW, Southern University; MSW, University of Central Florida

Alconcel, Pamela, Associate Professor, Lānaʻi  
Coordinator [808-565-7266](tel:808-565-7266)  
BA, University of Hawaiʻi at Hilo

Alueta, Shannon, Instructor, Librarian [808-984-3298](tel:808-984-3298)  
BA, Michigan University; MLIS, University of Hawaiʻi at  
Mānoa

Andaluz, Morgan, Associate Professor, English  
[808-984-3445](tel:808-984-3445)  
BA, Western Washington University; MA, National  
University

Azman, Rosianna, Professor, Psychology [808-984-3259](tel:808-984-3259)  
BA, MA, PhD, University of Hawaiʻi at Mānoa

Banaag, Aris, Assistant Professor, Counselor  
[808-984-3278](tel:808-984-3278)  
BA, University of Hawaiʻi at Mānoa; MA, Argosy  
University

Bhattacharya, Debasis, Associate Professor, ABIT  
[808-984-3619](tel:808-984-3619)  
SB, Massachusetts Institute of Technology; MS,  
Columbia University; JD, Northwestern California  
University; DBA, University of Phoenix

Blamey, Tom, Assistant Professor, Mathematics  
[808-984-3751](tel:808-984-3751)  
MS, San Diego State University

Botkin, Timothy, Assistant Professor, SSM [808-984-3322](tel:808-984-3322)  
MSC, University of Malta; MS, James Madison  
University; JD, University of Oklahoma

Bowe, Samantha, Professor, Mathematics [808-984-3383](tel:808-984-3383)  
BA, MAT, Ithaca College

Calder, Sean, Professor, Biology & Microbiology  
[808-984-3220](tel:808-984-3220)  
BS, MS, California Polytechnic University

Clearwater, Anne, Instructor, Nursing [808-984-3649](tel:808-984-3649)  
BSN, University of South Florida; MSN, Walden  
University

Daniels, Ryan, Professor, Administration of Justice  
[808-984-3224](tel:808-984-3224)  
BA, University of Hawaiʻi at Mānoa; MSCJA, Chaminade  
University; PhD, Te Whare Wananga o Awanuiarangi

Donaghy, Joseph Keola, Associate Professor, Music [808-984-3570](tel:808-984-3570)  
BA, MA, University of Hawai'i-Hilo; PhD, University of Otago, New Zealand

Dubuit, Elisabeth, Assistant Professor, ECET & ENGT [808-984-3706](tel:808-984-3706)  
PhD, University Pierre et Marie Curie-Paris

Dudoit, Kelley, Assistant Professor, Coordinator of Moloka'i Education Center [808-553-4490](tel:808-553-4490)  
BA, Chaminade University; MEdT, University of Hawai'i at Mānoa

Engh, Eric, Professor, English [808-984-3238](tel:808-984-3238)  
BA, University of Florida; MA, San Francisco State University

Evangelista, Teri, Assistant Professor, Mathematics [808-984-3342](tel:808-984-3342)  
BA, MEdT, University of Hawai'i at Mānoa

Farmer, Mary, Associate Professor, Nursing [808-984-3316](tel:808-984-3316)  
BSN, Ohio State University; MS, University of Hawai'i at Mānoa

Fujitani, Linda, Assistant Professor, Counseling [808-984-3226](tel:808-984-3226)  
BA, MHRM, University of Hawai'i at Mānoa

Fukada, Mach, Instructor, Agriculture [808-984-3279](tel:808-984-3279)  
BS, University of Hawai'i at Hilo; MS, University of Hawai'i at Mānoa

Gould, Michelle, Assistant Professor, Biological Science [808-984-3704](tel:808-984-3704)  
BS, MS University of Nevada, Reno

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Brian Cade, Maui Community Correctional Center

Melissa Chimera, Haleakalā 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 Representative

Brooks Tamaye, Department of Land & Natural Resources

## **Agriculture & Natural Resources**

Steve Chiang, Agribusiness Incubator Program

Sumner Erdman, Ulupalakua Ranch

Keith Ideoka, Lāhaināluna High School Agriculture Department

Thomas and Eva Kafsack, Surfing Goat Dairy

George Kahumoku

Ted Radovich, University of Hawai'i at Mānoa

Gerry and Janet Ross, Kūpa'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

Brittany Heyd, Mana Up

Chris Chiesa, Pacific Disaster Center

Melissa (Crouse) Kaufman, Entrepreneur

Daron Nishimoto, Entrepreneur

Rebecca Filipovic, Attorney

Virendra Nath, HDEP

Lorraine Osako, Pacific Disaster Center

Rich Serbin, Entrepreneur

Shannon Sheldon, Attorney

Ray Shirkhodai, Pacific Disaster Center

Tim Georges, Boeing

Virendra Nath, HDEP

Steve Farmer, Lecturer UHMC

Christopher McCusker Entrepreneur

## **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, Pflueger Acura Maui

Dennis Sasai, CTE Coordinator Department of Education

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, Maui Activities

Tracy Logan, Wailea Tennis Club

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, Mālama I Ke Ola

Deanna Garcia, Akimeka LLC

Lalaine Paion, MEDB, Inc.

Jorge Tirona, Central Pacific Bank

Cynthia Razo, County of Maui

Jeannie Wenger, Bello Realty

## **Construction Technology**

Willy Bennet, Energy Consulting Associates, LLC

Robert Hoonan, Wailea Beach Resort Marriott

Ellsworth Kalawaia, Honua Kai Condominium Association

Mike Yap, Yap Electric

Chuck Collins, Hawaii Hydrogen Alliance

Tamzen Lovejoy, Dorvin Leis

Errol Kusunoki, Carpenters Local 745

Cliff Ryden, Blue Pacific Energy (Committee Chair)

Rich Sato, Maui Facilities & Engineering Leadership Council

Mike Young, Wide Open Construction

## **Creative Media**

Leilani Abafo, Maui High School Creative Media

Sean Michael Hower, Photographer

Rick Chatenever, Movie Critic/Journalist

Kathy Collins, Actor/Media Personality/Journalist

Elisabeth de Kleer, Unscripted TV Producer

Adi Ell-Ad, Movie/TV Editor

Scott Johnson, Graphic Designer  
Kawika Hoke, Social Media Marketing  
Vinnie Linares, UHMC Faculty, Retired  
Dan O'Brien, TV/Video Producer  
Branscombe Richmond, Producer  
Eric Gilliom, Actor/Producer  
Stefan Schaefer, Writer/Director/Producer  
Tracy Bennett, Maui Film Commissioner  
Barry Wurst, Hawai'i 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 Nabau, Sangrita Cantina  
Marc McDowell, The Mill House  
Scott McGill, T S Restaurants  
Lynne Miller, VIP FoodService  
Travis Morrin, Three's Bar & Grill, Alumnis  
Mike Rose, Longhi's  
Jeffery Scheer, Marlow, Alumnis  
Sheldon Simeon, Tiffany's, Alumnis  
Roger Stettler, Taverna  
Diane Haynes Woodburn, Maui No Ka 'Oi Magazine  
Rick Woodford, Island Restaurant Concepts Consulting

## **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  
Jennifer Jiminez, Student Liaison  
Christine Hamilton, RDH, Private Practice-UHMC Grad

## **Early Childhood Education**

Debbi Amaral, MEO Early Childhood Services Director  
Edeluisa Baguio-Larena, Maui Family Support Services  
CEO  
Ka'ina Bonacorsi, Maui County ECE Resource  
Coordinator  
Mele Hooper, Tūtū and Me Maui  
Fley Iniba, 'Āao Preschool Director  
Kolika Mei Kamai, Student Representative  
Bobbie-Jo Moniz-Tadeo, Imua Family Services Clinical  
Director  
Kili Namau'u, Pūnana Leo o Maui  
Marisa Rodriguez, St. Anthony Preschool Director  
Elaine Yamashita, UHMC Faculty, Professor Emeritus  
(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 Lili'uokalani Children's Center  
Kevin Kimizuka, Workforce Development  
Iris Nitta, McKinley School for Adults, Maui Campus



Juliana Patao, UHMC Career Link

Paula Purdy, Kamehameha Schools, Maui Campus

Karen Tanaka, Retired Professor, University of Hawai'i  
Maui College

Armon Tavares, Aloha House

Shauna Tanner, Division of Vocational Rehabilitation

## **Electronic & Computer Engineering Technology**

Ned Davis, Maui Innovation Group

Wes Freiwald, Integrity Applications

Thomas Glesne, Shafer Pacific Operations

Steve Griffin, Boeing

Lisa Hunter, Institution Scientist & Engineering  
Educators, UCSC

Mike Maberry, Institute for Astronomy, University of  
Hawai'i

Sharon Mielbrecht, Pacific Disaster Center

Dan O'Connell, HNU Photonics

C. Channing Chow II, Founder & CEO, Cloudstone  
Innovations LLC

Dylan Schwarzeier

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, Mākena Surf Wear

Keri Duke, Keri Designs

Anne Miyashiro, Fashion Technology graduate

Patti Pottorff, Biasa Rose Boutique

## **Hospitality and Tourism**

Kui Aipa, Kā'anaapali Beach Hotel

Glenn Casil, Westin Nanea Ocean Villas

Brandon Chu, Four Seasons Resort Maui

Leigh Drewry, Lumeria Maui

Sean Ganhinhin, Westin Kā'anapali Ocean Resort Villas

Lance Gilliland, LKG Solutions

Ann Ikuta, Grand Wailea

Kyoko Kimura, Aqua Hospitality

Nathan Matanane, Enterprise Holdings

Lisa Paulson, 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, Haleakalā 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, Nā Pu'uwai Native Hawaiian  
Health Care

Craig Hirayasu, Adult Client Services, Judiciary 2nd  
Circuit

Nicole Hokoana, Aloha House, Mālama Family Recovery, Maui Youth & Family Services

Sanoë Ka'āihue, Women Helping Women

Michael Lag, Mental Health Kōkua

Dani Riggs, Child and Family Service

Cassie Savell, Mālama I Ke Ola Health Center

Deborah Stone-Walls, County of Maui Office on Aging

## **Lāna'i Program**

Aaron Fernandez, First Hawaiian Bank

Elton Kinoshita, Lāna'i High & Elementary School

Kay Okamoto, Lāna'i Community Association

Anthony Pacheco, Office of Hawaiian Affairs

Natalie Rupa, Lāna'i High & Elem Foundation

Shirley Samonte, Straub Clinic

Tammi Sanches, Pūlama Lāna'i

Diana Shaw, Lāna'i Community Health Center

Pua Turqueza, Bank of Hawai'i-Lāna'i

## **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, Department of Human Services, Child Welfare Services

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, Department 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, Hawai'i 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, Haleakalā Ranch

Tara Owens, Sea Grant

Steve Parabolicoli, Wastewater Reclamation Consultant

Rob Parsons, Office of the Mayor

Jonathan Stenger, Kamehameha Schools

Sharon Suzuki, Maui Electric Company

David Tester, Maui Electric Company



# Programs

University of Hawai'i Maui College General Catalog



# Baccalaureate Degree Programs

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## 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](mailto:debasisb@hawaii.edu) for more information.

### Learning Outcomes

1. Develop effective business plans and strategies using essential business functions such as marketing, management, accounting, and statistics.
2. Design prototypes using current business technology for e-commerce, web programming, databases, systems analysis, and project management.
3. Create minimum viable products or services for a feasible business venture through entrepreneurship and technology skills.
4. Demonstrate business ethics, value, and integrity through teamwork and leadership.

## Applied Business & Information Technology (BAS) (121 credits)

### Degree Type

Bachelor in Applied Science

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 120, 310, 320; ECON 130, 131; MGT 120, 310; and MKT 120, 300.
2. **Information Technology Core: 24-25 credits**  
ICS 101 or BUSN 150, 110 or 169, 111 or 184, 171 or 173 or 200, 320, 360, 385, and 418.
3. **General Education: 27 credits**  
COM 353 or 459; ENG 100, 209 or 200 or 225, 316; MATH 115 or 115T; 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.
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.

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

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) (15 credits)

Course #	Title	Credits
	ICS 101 or BUSN 150	3
	SP 151 or SP 251 or COM 130 or COM 145	3
ENG 100	Composition I	3
BUS 120	Principles of Business	3
MGT 120	Principles of Management	3

Freshman Year (Spring) (15 credits)

Course #	Title	Credits
MATH 115	Introduction to Statistics and Probability	3
	PSY or SOC 100	3
MKT 120	Principles of Marketing	3
	Hawaii Emphasis elective	3
	Global Multicultural Perspective Elective	3

### Sophomore Year (Fall) (15 credits)

Course #	Title	Credits
ACC 201	Introduction to Financial Accounting	3
	ICS 110 or ICS 169	3
ECON 131	Principles of Economics: Macroeconomics*	3
	ENG 209 or ENG 200 or ENG 225	3
BLAW 200	Legal Environment of Business	3

### Sophomore Year (Spring) (16-17 credits)

Course #	Title	Credits
ACC 202	Introduction to Managerial Accounting	3
ECON 130	Principles of Economics: Microeconomics*	3
	ICS 111 or ICS 184	3-4
	ICS 171 or ICS 173 or ICS 200	3
	Natural Science Elective with Lab	4

### Upper division transfers - Completion of 60 college-level credits (junior standing) including 8 courses from this list: (24-25 credits)

Course #	Title	Credits
	ENG 209 or ENG 200 or ENG 225	3
	ICS 101 or BUSN 150	3
ACC 201	Introduction to Financial Accounting	3
ACC 202	Introduction to Managerial Accounting	3
ECON 130	Principles of Economics: Microeconomics*	3
ECON 131	Principles of Economics: Macroeconomics*	3
	MATH 115 or MATH 115T	3-4
	SP 151 or SP 251 or COM 130 or COM 145	3

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

Course #	Title	Credits
ACC 300	Intermediate Financial Accounting I	3
BUS 310	Statistical Analysis for Business Decisions	3
BUS 320	Entrepreneurship – Opportunity Recognition and Evaluation	3
BUS 495	ABIT Capstone I	3
BUS 496	ABIT Capstone II	3
	BUS 393v or Elective	3
	COM 353 or COM 459	3
ICS 320	Introduction to Information Systems & E-Commerce	3
ICS 360	Database Design & Development	3
ICS 385	Web Development and Administration	3
ICS 418	Systems Analysis & Designs	3
MGT 310	Principles of Management	3
MKT 300	Principles of Marketing	3
PHIL 323	Professional Ethics	3
HUM 400	Changes & Choices	3
ENG 316	Advanced Research Writing	3
	Electives	12

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

### Junior Year (Fall) (15 credits)

Course #	Title	Credits
ACC 300	Intermediate Financial Accounting I	3
ICS 320	Introduction to Information Systems & E-Commerce	3
MGT 310	Principles of Management	3
MKT 300	Principles of Marketing	3
	Elective	3

### Junior Year (Spring) (15 credits)

Course #	Title	Credits
BUS 320	Entrepreneurship – Opportunity Recognition and Evaluation	3
ICS 360	Database Design & Development	3
ICS 385	Web Development and Administration	3
ENG 316	Advanced Research Writing	3
	Elective	3

### Senior Year (Fall) (15 credits)

Course #	Title	Credits
BUS 310	Statistical Analysis for Business Decisions	3
BUS 495	ABIT Capstone I	3
ICS 418	Systems Analysis & Designs	3
HUM 400	Changes & Choices	3
	Elective	3

### Senior Year (Spring) (15 credits)

Course #	Title	Credits
	BUS 393v or Elective	3
BUS 496	ABIT Capstone II	3
	COM 353 or COM 459	3
PHIL 323	Professional Ethics	3
	Elective	3

## 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, natural science, 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.

Embedded in the SSM BAS degree requirements are a variety of courses in different fields which support and lend themselves to sustainability science application. There are also up to four (4) upper division electives which a student may direct in a manner of their choosing.

Contact the program coordinator, Dr. Meagan Jones, at 808-984-3709 or by email at [meaganj@hawaii.edu](mailto:meaganj@hawaii.edu) for more information.

#### Learning Outcomes

1. Describe the functions, inter-relationships, and limitations of human-developed and naturally occurring systems.

2. Utilize systems and sustainability science tools to solve complex problems and design durable responses.
3. Understand contemporary legal, technological, economic, cultural, and ethical infrastructure as it impacts sustainability.
4. Utilize conventional and emerging methods to measure sustainability aspects of behaviors.
5. Integrate transdisciplinary knowledge; across cultural, social and educational realms; to identify and implement sustainable practices.

## Sustainable Science Management (BAS) (124 credits)

### Degree Type

Bachelor in Applied Science

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. A tuition differential exists for upper division courses numbered 300 or higher. [See tuition and fees section of the catalog.](#)

### 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.

### Lower division requirements (Students entering the SSM program as freshmen) (64-65 credits)

Course #	Title	Credits
SSM 101	Sustainability in a Changing World	3
	ICS 101 or BUSN 150	3
	CHEM 151/CHEM 151L or CHEM 161/CHEM 161L	4
PSY 100	Survey of Psychology	3
ENG 100	Composition I	3
SSM 275	Basic Energy Production	3
	CHEM 162 and CHEM 162L, or GIS 150	4
	ECON 130 or ECON 131	3
MATH 115	Introduction to Statistics and Probability	3
	Foundations Global Elective - Either FGA or FGC	3
	SSM 201, or OCN 201 and OCN 201L	3-4
BIOL 171	General Biology I	3
BIOL 171L	General Biology I Lab	1
ACC 201	Introduction to Financial Accounting	3
	HWST 107 or HIST 284	3
MATH 135	Pre-Calculus: Elementary Functions	3
SSM 202	Sustainable Island Communities	3
	BLAW 200 or MATH 241	3
PSY/COM 253	Conflict Resolution & Mediation	3
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1



## Transfer & Other Non-New Students

### 1. All students

All students are required to meet the SSM lower division requirements in order to qualify for upper division coursework in the SSM program:

- [MATH 115](#) or [MATH 115T](#); and [MATH 135](#) or higher; both with grade C or better;
- College chemistry with lab (minimum 4 credits) with grade C or better;
- College biology with lab (minimum 4 credits) with grade C or better;
- [SSM 275](#) or equivalent with grade C or better.
- SSM 101 and 202, both with grade C or better.
- 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 (subject to pre-requisites) for up to three semesters, as long as enrolled in requirements of 1a-f 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

- Non-degree students** Students who have completed 62 or more credits of 100+ coursework at an accredited institution may take SSM upper division coursework. To qualify for upper division SSM courses 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-f.

## SSM Graduation Requirements

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

- Meet all lower division requirements in the SSM Program Map or in paragraph 1a-f.
- 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.
- A minimum of 30 credits shall be taken at UHMC.
- Complete six credits of capstone courses ([SSM 495-SSM 496](#)) over not less than two semesters with grade C or better.
- 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.
- All SSM alpha required courses (except for SSM 392V) must be taken for a letter grade. A maximum of 6 credits in other coursework may be achieved via Prior Learning Assessment.
- 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.
- Submission of a completed Application for Graduation from UHMC.

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

Course #	Title	Credits
SSM 301	Sustainable Assessments and Indicators	3
SSM 302	Environmental Health	3
SSM 375	Renewable Energy Conversions and Processes	3
SSM 384	Sustaining the Globalized Ocean	3
SSM 392v	Sustainable Science Management Internship	1-3
SSM 401	Environmental Law, Policy, and Justice	3
SSM 402	Water Resources Management	3
SSM 403	Renewable Energy Integration	3
SSM 422	Sustainable Systems Thinking	3
SSM 495	SSM Capstone I	3
SSM 496	SSM Capstone II	3
MGT 310	Principles of Management	3
PHIL 323	Professional Ethics	3
BIOL 331	Marine Mammal Biology	3
BIOL 331L	Marine Mammal Biology Lab	1
BIOL 424	Protected Species Management	2
BIOL 424L	Protected Species Management Lab	1
HUM 400	Changes & Choices	3
COM 459	Intercultural Communication II	3
ENG 316	Advanced Research Writing	3
	Upper Division Program Elective	3
	Upper Division Program Elective	3
	Upper Division Program Elective	3

**Course Sequencing**

Full-time lower division students would take this sequence:

First Semester (Fall) (16 credits)

Course #	Title	Credits
SSM 101	Sustainability in a Changing World	3
	ICS 101 or BUSN 150	3
	CHEM 151/CHEM 151L or CHEM 161/CHEM 161L	4
PSY 100	Survey of Psychology	3
ENG 100	Composition I	3

Second Semester (Spring) (16 credits)

Course #	Title	Credits
SSM 275	Basic Energy Production	3
	CHEM 162 and CHEM 162L, or GIS 150	4
	ECON 130 or ECON 131	3
MATH 135	Pre-Calculus: Elementary Functions	3
	Foundations Global Elective - Either FGA or FGC	3

### Third Semester (Fall) (16-18 credits)

Course #	Title	Credits
	SSM 201, or OCN 201 and OCN 201L	3-4
BIOL 171	General Biology I	3
BIOL 171L	General Biology I Lab	1
ACC 201	Introduction to Financial Accounting	3
	HWST 107 or HIST 284	3
	MATH 115 or MATH 115T	3-4

### Fourth Semester (Spring) (16 credits)

Course #	Title	Credits
SSM 202	Sustainable Island Communities	3
	BLAW 200 or MATH 241	3
COM/PSY 215	Conflict Resolution & Mediation	3
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1
	ENG 200 or ENG 225	3

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

### Junior Year (Fall) (15 credits)

Course #	Title	Credits
SSM 302	Environmental Health	3
SSM 375	Renewable Energy Conversions and Processes	3
	Upper Division Program Elective	3
	MGT 310 or MGT 322	3
ENG 316	Advanced Research Writing	3

### Junior Year (Spring) (15 credits)

Course #	Title	Credits
SSM 301	Sustainable Assessments and Indicators	3
SSM 392v	Sustainable Science Management Internship	1-3
SSM 402	Water Resources Management	3
PHIL 323	Professional Ethics	3
BIOL 331	Marine Mammal Biology	3
BIOL 331L	Marine Mammal Biology Lab	1

### Senior Year (Fall) (15 credits)

Course #	Title	Credits
SSM 422	Sustainable Systems Thinking	3
SSM 495	SSM Capstone I	3
HUM 400	Changes & Choices	3
SSM 384	Sustaining the Globalized Ocean	3
	SSM 403 or BIOL 424	3

## Senior Year (Spring) (15 credits)

*Calculus is a prerequisite for SSM 403 and other upper level courses.*

Course #	Title	Credits
SSM 401	Environmental Law, Policy, and Justice	3
	Upper Division Program Elective	3
SSM 496	SSM Capstone II	3
	Upper Division Program Elective	3
COM 459	Intercultural Communication II	3

## Sustainable Science Management Concentration (21 credits)

### Degree Type

Bachelor in Applied Science

SSM students may establish a concentration with their SSM BAS degree by focusing their studies, including the choice of electives to fulfill the degree path in a field available for this option and according to the following.

**Sustainable Science Management- Marine Studies Concentration:** Courses with a marine studies focus is required for students pursuing a concentration in marine studies. The concentration is intended to be taken within the curriculum of the BAS - Sustainable Science Management degree.

Contact the concentration coordinator, Dr. Meagan Jones at [meaganj@hawaii.edu](mailto:meaganj@hawaii.edu) for more information.

## Required Courses (15 credits)

Course #	Title	Credits
OCN 201	Science of the Sea	3
OCN 201L	Science of the Sea Lab	1
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1
BIOL 331	Marine Mammal Biology	3
BIOL 331L	Marine Mammal Biology Lab	1
SSM 384	Sustaining the Globalized Ocean	3

## Electives (6 credits)

Choose 6 credits from the following courses.

A marine studies focus is required for students pursuing a concentration in marine studies.

Course #	Title	Credits
SSM 392v	Sustainable Science Management Internship	1-3
BIOL 424	Protected Species Management	2
BIOL 424L	Protected Species Management Lab	1
OCN 351	Coastal Methods and Analysis	2
OCN 351L	Coastal Methods & Analysis Lab	1
AQUA 466	Fisheries Science	2
AQUA 466L	Fisheries Science Lab	1

# Associate Degree Programs

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## 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 Accounting Program Coordinator Aubrey Weston at 808-984-3470 or email at [aubrey77@hawaii.edu](mailto:aubrey77@hawaii.edu) for more information.

### Learning Outcomes

1. Demonstrate satisfactory proficiency in the basic fundamental principles of financial and managerial accounting following generally accepted accounting principles with special emphasis on the elements of the accounting cycle; the rules of debit and credit, journalizing and posting, trial balances, adjustments, worksheets, financial statements, and the closing process.
2. Demonstrate satisfactory proficiency in the basic principles procedures, terminology, and application of income and payroll tax laws.
3. Demonstrate satisfactory proficiency in hands-on accounting skills for maintaining accounting records using commercial accounting software, and the use of spreadsheets to solve accounting problems.

### Accounting (AAS) (61 credits)

#### **Degree Type**

Associate in Applied Science

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

Note for [ACC 124](#) and [ACC 201](#):

Option 1: [ACC 124](#), [ACC 201](#), and [ACC 202](#).

Option 2: [ACC 201](#), [ACC 202](#), and Business Elective (3)\*.

\*Prerequisite courses to program requirements may not be used as a Business elective. Recommended: Business Electives: [ACC 193v](#), and (for ABIT & UHWO) [BLAW 200](#).

Grade C or better (or credit-by-exam) required in all ACC courses.

Course #	Title	Credits
ACC 124	Principles of Accounting I	3
ACC 201	Introduction to Financial Accounting	3
ACC 132	Payroll & Hawai'i General Excise Tax	3
ACC 134	Individual Income Tax Preparation	3
ACC 202	Introduction to Managerial Accounting	3
ACC 252	Using QuickBooks® in Accounting	3
ACC 255	Using Excel in Accounting	3
ACC 295	Accounting Capstone	3
	Business Elective	3
	ICS 101 or BUSN 150	3
	Global Multicultural Perspective Elective	3
	BUS/COM 130 or SP 151 or SP 251	3
ENG 100	Composition I	3
ENG 209	Business & Managerial Writing	3
ECON 130	Principles of Economics: Microeconomics*	3
ECON 131	Principles of Economics: Macroeconomics*	3
	MATH 103 or MATH 115 or Higher	3
	Natural Science Elective	4
	PSY or SOC 100	3
HWST 107	Hawai'i: Center of the Pacific	3

### Course Sequencing

Full-time students would take courses in this sequence:

#### First Semester (Fall) (15 credits)

Course #	Title	Credits
ACC 124	Principles of Accounting I	3
ACC 132	Payroll & Hawai'i General Excise Tax	3
	ICS 101 or BUSN 150	3
ENG 100	Composition I	3
	Global Multicultural Perspective Elective	3

#### Second Semester (Spring) (15 credits)

Course #	Title	Credits
ACC 201	Introduction to Financial Accounting	3
ACC 134	Individual Income Tax Preparation	3
	MATH 103 or MATH 115 or Higher	3
	BUS/COM 130 or SP 151 or SP 251	3
ECON 130	Principles of Economics: Microeconomics*	3

### Third Semester (Fall) (15 credits)

Course #	Title	Credits
ACC 202	Introduction to Managerial Accounting	3
ACC 252	Using QuickBooks® in Accounting	3
ENG 209	Business & Managerial Writing	3
HWST 107	Hawai'i: Center of the Pacific	3
ECON 131	Principles of Economics: Macroeconomics*	3

### Fourth Semester (Spring) (16 credits)

Course #	Title	Credits
ACC 255	Using Excel in Accounting	3
ACC 295	Accounting Capstone	3
	PSY or SOC 100	3
	Natural Science Elective with Lab	4
	Business Elective	3

### Accounting (CA) (30 credits)

#### Degree Type

Certificate of Achievement

### Requirements for Certificate of Achievement (CA) (30 credits)

Note for [ACC 124](#) and [ACC 201](#):

Option 1: [ACC 124](#), [ACC 201](#), and [ACC 202](#).

Option 2: [ACC 201](#), [ACC 202](#), and Business Elective (3)\*.

\*Prerequisite courses to program requirements may not be used as a Business elective. Recommended: Business Electives: [ACC 193v](#), and (for ABIT & UHWO) [BLAW 200](#).

Grade C or better (or credit-by-exam) required in all ACC courses.

Course #	Title	Credits
ACC 124	Principles of Accounting I	3
ACC 201	Introduction to Financial Accounting	3
ACC 132	Payroll & Hawai'i General Excise Tax	3
ACC 134	Individual Income Tax Preparation	3
	ICS 101 or BUSN 150	3
	Global Multicultural Perspective Elective	3
	BUS/COM 130 or SP 151 or SP 251	3
ENG 100	Composition I	3
ECON 130	Principles of Economics: Microeconomics*	3
	MATH 103 or MATH 115 or Higher	3

## 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](mailto:ryanbkd@hawaii.edu) for more information.

#### Learning Outcomes

1. Define and describe how to keep self and others safe in the specific context of a professional work assignment.
2. Write clear and accurate reports.
3. Assess and respond appropriately to potential conflict situations.
4. Demonstrate the maintenance of physical and mental fitness, utilize stress management techniques and maintain a drug-free lifestyle.
5. Use critical observation skills and preserve a chain of evidence.
6. Communicate with a diverse population in a culturally sensitive manner, both verbal and non-verbal.
7. Perform independently and inter-dependently to accomplish shared professional outcomes.
8. Design career plans/options in the Administration of Justice profession and develop strategies (pathways) to progress in professional development.
9. Apply within the legal/ethnic parameters of the justice profession knowledge of laws, rules of evidence, confidentiality.
10. Demonstrate ability to interact with the public and co-workers in ways that effectively support “justice for all.”

### Administration of Justice (AAS) (60 credits)

#### Degree Type

Associate in Applied Science

Course #	Title	Credits
AJ 101	Introduction to Administration of Justice	3
AJ 200	Principles of the Hawai'i Justice System	3
AJ 221	Criminal Law	3
AJ 224	Rules of Evidence	3
AJ 293v	Administration of Justice Internship	3
	Administration of Justice Elective	3
	Administration of Justice Elective	3
	Administration of Justice Elective	3
HWST 107	Hawai'i: Center of the Pacific	3
	PSY 100 or PSY 170	3
	BUS/COM 130 or COM 145 or SP 151	3
	ENG 100 or ENG 106	3
	MATH 100 or Higher, or BUSN 189	3
	AJ 210 or AJ 223	3
	SOC 100 or SOC 218	3
	Administration of Justice or Gen Ed Electives	9
	Humanities Elective	3
	Natural Science Elective	3

#### Course Sequencing

Full-time students would take courses in this sequence:

#### First Semester (Fall) (15 credits)

Course #	Title	Credits
AJ 101	Introduction to Administration of Justice	3
	Administration of Justice Elective	3
	SOC 100 or SOC 218	3
	BUS/COM 130 or COM 145 or SP 151	3
	ENG 100 or ENG 106	3



## Second Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
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

## Third Semester (Fall) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AJ 221	Criminal Law	3
	Administration of Justice Elective	3
	Administration of Justice Elective or General Ed Elective	3
	PSY 100 or PSY 170	3
	Humanities Elective	3

## Fourth Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
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	3

## Administration of Justice (CA) (33 credits)

### **Degree Type**

Certificate of Achievement

## Requirements for Certificate of Achievement (CA) (33 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AJ 101	Introduction to Administration of Justice	3
AJ 200	Principles of the Hawai'i Justice System	3
AJ 293v	Administration of Justice Internship	3
	Administration of Justice Elective	3
	Administration of Justice Elective	3
	Administration of Justice Elective	3
HWST 107	Hawai'i: Center of the Pacific	3
	PSY 100 or PSY 170	3
	BUS/COM 130 or COM 145 or SP 151	3
	ENG 100 or ENG 106	3
	MATH 100 or Higher, or BUSN 189	3

## Administration of Justice (CO) (9 credits)

### **Degree Type**

Certificate of Competence

## Corrections I (9 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AJ 101	Introduction to Administration of Justice	3
AJ 150	The Correctional Process	3
	SOC 100 or SOC 218	3

## Corrections II (9 credits)

*(Prereq: Corrections I)*

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AJ 221	Criminal Law	3
AJ 250	Community Based Corrections	3
	PSY 100 or PSY 170	3

## Law Enforcement I (9 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AJ 101	Introduction to Administration of Justice	3
AJ 221	Criminal Law	3
SOC 218	Introduction to Social Problems	3

## Law Enforcement II (9 credits)

*(Prereq: Law Enforcement I)*

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AJ 223	Laws of Arrest, Search, Seizure	3
AJ 230	Principles of Police Supervision	3
	PSY 100 or PSY 170	3

## Private Security I (9 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AJ 101	Introduction to Administration of Justice	3
AJ 170	Introduction to Private Security	3
	SOC 100 or SOC 218	3

## Private Security II (9 credits)

*(Prereq: Private Security I)*

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AJ 221	Criminal Law	3
AJ 270	Principles of Loss Prevention	3
	PSY 100 or PSY 170	3

# 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](mailto:aemmsley@hawaii.edu) for latest program schedule cycle.

#### Learning Outcomes

1. Use basic business principles to manage projects or design a horticultural business enterprise.
2. Recommend cultural practices, solve problems, plan projects, and cultivate horticultural crops in a sustainable manner based on sound biological and technological principles.
3. Explain the relationships between agro-ecosystems, economics, human culture, and natural environments.
4. Design gardens that demonstrate aesthetic principles. (Landscape & Horticulture only)

### Agriculture & Natural Resources (AAS) (60 credits)

#### Degree Type

Associate in Applied Science

#### Requirements for Associate in Applied Science (AAS) Degree

##### Core courses required for AAS programs (27 credits)

Course #	Title	Credits
AG 122	Soil Technology	3
AG 174	Insects & Their Control	3
AG 200	Principles of Horticulture	3
AG 200L	Principles of Horticulture Lab	1
AG 201	Introduction to Plant Disease	3
AG 230	Agricultural Business Management	3
AG 235	Irrigation Principles & Design	3
AMT 80	Small Engine Repair	2
	MATH 100 or Higher, or BUSN 189	3
	ENG 100 or ENG 106	3

### Horticulture & Landscape Maintenance (AAS) (33-34 credits)

*All core courses, plus:*

Course #	Title	Credits
AG 260	Tropical Landscape	4
AG 261	Turfgrass Management	3
	AG 269 or [AG 265 & AG 265L]	3-4
AG 281	Weed Science	3
	AG Electives (Horticulture Options)	8
	General Education	12

## Sustainable Tropical Crop Management (AAS) (35 credits)

All core courses, plus:

Course #	Title	Credits
AG 103	Sustainable Agriculture Systems	2
AG 104	Food Safety & Post Harvest Handling	1
AG 193v		1
AG 232	Farm Tractor & Equipment Operation	1
AG 251	Sustainable Crop Production	4
AG 252	Sustainable Crop Production II	2
AG 281	Weed Science	3
	AG Electives (Tropical Crop Options)	9
	General Education	12

## Agriculture & Natural Resources (CA) (34 credits)

### Degree Type

Certificate of Achievement

## Requirements for Certificates of Achievement (CA)

### Core courses required for CA programs (26 credits)

Course #	Title	Credits
AG 122	Soil Technology	3
AG 174	Insects & Their Control	3
AG 200	Principles of Horticulture	3
AG 201	Introduction to Plant Disease	3
AG 230	Agricultural Business Management	3
AG 235	Irrigation Principles & Design	3
AMT 80	Small Engine Repair	2
	MATH 100 or Higher, or BUSN 189	3
	ENG 100 or ENG 106	3

## Horticulture & Landscape Maintenance (CA) (13-14 credits)

All core courses, plus:

Course #	Title	Credits
AG 260	Tropical Landscape	4
AG 261	Turfgrass Management	3
	AG 269 or [AG 265 & AG 265L]	3-4
AG 281	Weed Science	3

## Sustainable Tropical Crop Management (CA) (14 credits)

All core courses, plus:

Course #	Title	Credits
AG 103	Sustainable Agriculture Systems	2
AG 104	Food Safety & Post Harvest Handling	1
AG 193v		1
AG 232	Farm Tractor & Equipment Operation	1
AG 251	Sustainable Crop Production	4
AG 252	Sustainable Crop Production II	2
AG 281	Weed Science	3

## Nursery Management (7 credits)

All core courses plus:

Course #	Title	Credits
AG 266	Greenhouse & Nursery Management	3
AG 269	Ornamental Plant Materials	3
AG 193v		1

## Agriculture & Natural Resources (CO) (4 credits)

### Degree Type

Certificate of Competence

## Requirements for Certificates of Competence (CO)

### Beekeeping (4 credits)

Course #	Title	Credits
AG 162	Introduction to Beekeeping	2
AG 163	Advanced Beekeeping	2

### GIS in Ecosystem Management (8 credits)

Course #	Title	Credits
GIS/ICS 150	Introduction to GIS/GPS	4
GIS 180	GIS in Ecosystem Management	4

### Landscape Maintenance (13-14 credits)

Course #	Title	Credits
AG 235	Irrigation Principles & Design	3
AG 260	Tropical Landscape	4
AG 261	Turfgrass Management	3
	AG 269 or [AG 265 & AG 265L]	3-4

## Natural Resource Management (22 credits)

Course #	Title	Credits
AG 174	Insects & Their Control	3
AG 193v		1
	AG 265 & AG 265L	4
AG 281	Weed Science	3
	[BIOL 105 & BIOL 105L] or [BIOL 124 & BIOL 124L]	4
BOT 105/HWST 211	Ethnobotany	3
GIS/ICS 150	Introduction to GIS/GPS	4

## Pest Management (9 credits)

Course #	Title	Credits
AG 174	Insects & Their Control	3
AG 201	Introduction to Plant Disease	3
AG 281	Weed Science	3

## Sus. Tropical Crop Production (10 credits)

Course #	Title	Credits
AG 103	Sustainable Agriculture Systems	2
AG 104	Food Safety & Post Harvest Handling	1
AG 232	Farm Tractor & Equipment Operation	1
AG 251	Sustainable Crop Production	4
AG 252	Sustainable Crop Production II	2

# 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](mailto:debasisb@hawaii.edu) for more information.

### Learning Outcomes

1. Develop effective business plans and strategies using essential business functions such as marketing, management, accounting, and statistics.
2. Design prototypes using current business technology for e-commerce, web programming, databases, systems analysis, and project management.
3. Create minimum viable products or services for a feasible business venture through entrepreneurship and technology skills.
4. Demonstrate business ethics, value, and integrity through teamwork and leadership.

## Data Science (CO) (12 credits)

### Degree Type

Certificate of Competence

Course #	Title	Credits
BUS 310	Statistical Analysis for Business Decisions	3
ICS 173	Introduction to Data Science	3
ICS 320	Introduction to Information Systems & E-Commerce	3
MATH 115	Introduction to Statistics and Probability	3

## 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, Lawrence Martinson, at (808) 984-3678 or by emailing [lkmartin@hawaii.edu](mailto:lkmartin@hawaii.edu) for more information.

### Learning Outcomes

1. Diagnose, service, and repair the electrical system.
2. Diagnose, service, and repair the fuel system.
3. Diagnose, service, and repair the emission system.
4. Diagnose, service, and repair the ignition system.
5. Diagnose, service and repair the heating and air conditioning system.
6. Diagnose, service, and repair the steering and suspension system.
7. To be able to write customer repair orders and estimates.
8. To be able to orally communicate, to customer, management, parts person and other technicians.
9. To be able to use computer to retrieve information for repairs and estimates.
10. To be able to write resumes and be able to use job interview techniques.

## Automotive Technology (AAS) (73 credits)

### Degree Type

Associate in Applied Science

## Requirements for Associate in Applied Science (AAS) Degree in Automotive Technology (73 credits)

*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.*

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AMT 100	Introduction to Automotive Technology	2
AMT 129	Engines Repair	7
AMT 141	Electrical/Electronics Systems I	5
AMT 144	Heating and Air Conditioning	4
AMT 145	Manual Drive Trains and Axles	4
AMT 149	Automatic Transmissions and Transaxles	4
AMT 152	Brake Systems	4
AMT 154	Suspension and Steering Systems	4
AMT 241	Electrical/Electronics Systems II	4
AMT 250	Engine Performance	6
AMT 262	Advanced Diagnostic and Repair	8
	COM 145 or ENG 209 or ENG 200 or BUS/COM 130	3
	ENG 100 or ENG 106	3
	Humanities Elective	3
PHYS 101	Technical Automotive Physics	3
QM 107C	Quantitative Methods in Automotive Technology	3
	Social Science Elective	3
WELD 119C	Welding for Automotive Applications	3

### Course Sequencing

Full-time students would take courses in this sequence:

#### First Semester (Fall) (18 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AMT 100	Introduction to Automotive Technology	2
AMT 141	Electrical/Electronics Systems I	5
AMT 152	Brake Systems	4
AMT 154	Suspension and Steering Systems	4
QM 107C	Quantitative Methods in Automotive Technology	3

#### Second Semester (Spring) (18 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AMT 145	Manual Drive Trains and Axles	4
AMT 149	Automatic Transmissions and Transaxles	4
AMT 241	Electrical/Electronics Systems II	4
PHYS 101	Technical Automotive Physics	3
	ENG 100 or ENG 106	3

#### Third Semester (Fall) (19 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AMT 129	Engines Repair	7
AMT 250	Engine Performance	6
	COM 145 or ENG 209 or ENG 200 or BUS/COM 130	3
	Humanities Elective	3



## Fourth Semester (Spring) (18 credits)

Course #	Title	Credits
AMT 144	Heating and Air Conditioning	4
AMT 262	Advanced Diagnostic and Repair	8
WELD 119C	Welding for Automotive Applications	3
	Social Science Elective	3

## Automotive Technology - Auto Body Repair and Painting Concentration (AAS) (65 credits)

### Degree Type

Associate in Applied Science

## Requirements for Associate in Applied Science (AAS) Degree in Automotive Technology - ABRP Concentration (65 credits)

*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.*

Course #	Title	Credits
ABRP 120G	Auto Sheet Metal	3
ABRP 120H	Body & Fender Repair	3
ABRP 122E	Basic Auto Refinishing	4
ABRP 122G	Complete and Touch Up Refinishing Techniques	6
ABRP 141G	Plastic Panel Repair	3
ABRP 141H	Management & Estimating	2
AMT 100	Introduction to Automotive Technology	2
AMT 141	Electrical/Electronics Systems I	5
AMT 144	Heating and Air Conditioning	4
AMT 152	Brake Systems	4
AMT 154	Suspension and Steering Systems	4
AMT 241	Electrical/Electronics Systems II	4
	COM 145 or ENG 209 or ENG 200 or BUS/COM 130	3
	ENG 100 or ENG 106	3
	Humanities Elective	3
PHYS 101	Technical Automotive Physics	3
QM 107C	Quantitative Methods in Automotive Technology	3
	Social Science Elective	3
WELD 119C	Welding for Automotive Applications	3

### Course Sequencing

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

## First Semester (Fall) (15-17 credits)

Course #	Title	Credits
AMT 100	Introduction to Automotive Technology	2
ABRP 120G	Auto Sheet Metal	3
ABRP 120H	Body & Fender Repair	3
ABRP 141G	Plastic Panel Repair	3
QM 107C	Quantitative Methods in Automotive Technology	3
WELD 119C	Welding for Automotive Applications	3

## Second Semester (Spring) (15 credits)

Course #	Title	Credits
ABRP 122E	Basic Auto Refinishing	4
ABRP 122G	Complete and Touch Up Refinishing Techniques	6
ABRP 141H	Management & Estimating	2
	ENG 100 or ENG 106	3

## Third Semester (Fall) (19 credits)

Course #	Title	Credits
AMT 141	Electrical/Electronics Systems I	5
AMT 152	Brake Systems	4
AMT 154	Suspension and Steering Systems	4
	COM 145 or ENG 209 or ENG 200 or BUS/COM 130	3
	Humanities Elective	3

## Fourth Semester (Spring) (14 credits)

Course #	Title	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

## Automotive Technology (CA) (53 credits)

### Degree Type

Certificate of Achievement

## Requirements for Certificate of Achievement (CA) in Automotive Technology (53 credits)

*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.*

Course #	Title	Credits
AMT 100	Introduction to Automotive Technology	2
AMT 129	Engines Repair	7
AMT 141	Electrical/Electronics Systems I	5
AMT 144	Heating and Air Conditioning	4
AMT 145	Manual Drive Trains and Axles	4
AMT 149	Automatic Transmissions and Transaxles	4
AMT 152	Brake Systems	4
AMT 154	Suspension and Steering Systems	4
AMT 241	Electrical/Electronics Systems II	4
AMT 250	Engine Performance	6
	ENG 100 or ENG 106	3
QM 107C	Quantitative Methods in Automotive Technology	3
WELD 119C	Welding for Automotive Applications	3

## Automotive Technology - Auto Body Repair and Painting (CA) (32 credits)

### Degree Type

Certificate of Achievement

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

*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.*

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ABRP 120G	Auto Sheet Metal	3
ABRP 120H	Body & Fender Repair	3
ABRP 122E	Basic Auto Refinishing	4
ABRP 122G	Complete and Touch Up Refinishing Techniques	6
ABRP 141G	Plastic Panel Repair	3
ABRP 141H	Management & Estimating	2
AMT 100	Introduction to Automotive Technology	2
WELD 119C	Welding for Automotive Applications	3
	ENG 100 or ENG 106	3
QM 107C	Quantitative Methods in Automotive Technology	3

## Automotive Technology (CO) (4 credits)

### Degree Type

Certificate of Competence

## Requirements for Certificate of Competence (CO) in Automotive Technology

### Brakes (4 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AMT 152	Brake Systems	4

### Heating & Air Conditioning (4 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AMT 144	Heating and Air Conditioning	4

### Suspension & Steering (4 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AMT 154	Suspension and Steering Systems	4

## 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](mailto:glogan@hawaii.edu) for more information.

#### Learning Outcomes

1. Use leadership and interpersonal skills to promote business ethics, values, and integrity in the workplace.
2. Demonstrate knowledge of the primary functions of management (planning, organizing, staffing, leading, and controlling) and their application to decision-making.
3. Examine accounting, marketing, sales, and promotion techniques.

## Business Administration (AAS) (61 credits)

### Degree Type

Associate in Applied Science

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

Course #	Title	Credits
BUS 120	Principles of Business	3
	ICS 101 or BUSN 150	3
MGT 120	Principles of Management	3
MGT 122	Human Relations in Management	3
MKT 120	Principles of Marketing	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3
BLAW 200	Legal Environment of Business	3
ECON 130	Principles of Economics: Microeconomics*	3
ENG 100	Composition I	3
	MATH 103 or MATH 115 or Higher	3
ACC 201	Introduction to Financial Accounting	3
ACC 202	Introduction to Managerial Accounting	3
ECON 131	Principles of Economics: Macroeconomics*	3
MGT 124	Human Resources Management	3
ENG 209	Business & Managerial Writing	3
HWST 107	Hawai'i: Center of the Pacific	3
BUS 193V		3
	Natural Science Elective with Lab	4
	Business Elective	3
	Business Elective	3

### Course Sequencing

Full-time students would take courses in this sequence:

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

### First Semester (Fall) (15 credits)

Course #	Title	Credits
BUS 120	Principles of Business	3
	ICS 101 or BUSN 150	3
ENG 100	Composition I	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3
MGT 120	Principles of Management	3

## Second Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
	MATH 103 or MATH 115 or Higher	3
MKT 120	Principles of Marketing	3
MGT 122	Human Relations in Management	3
ECON 130	Principles of Economics: Microeconomics*	3
BLAW 200	Legal Environment of Business	3

## Third Semester (Fall) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ACC 201	Introduction to Financial Accounting	3
MGT 124	Human Resources Management	3
ECON 131	Principles of Economics: Macroeconomics*	3
ENG 209	Business & Managerial Writing	3
	Business Elective	3

## Fourth Semester (Spring) (19 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ACC 202	Introduction to Managerial Accounting	3
HWST 107	Hawai'i: Center of the Pacific	3
ECON 131	Principles of Economics: Macroeconomics*	3
	Business Elective	3
BUSN 193v	Business Technology Cooperative Education	3
	Natural Science Elective with Lab	4

## Business Administration — Business Technology Concentration (AAS) (61 credits)

### Degree Type

Associate in Applied Science

## First Semester (Fall) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
BUS 120	Principles of Business	3
ICS 101	Digital Tools for the Information World	3
MGT 124	Human Resources Management	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3
BUSN 158	Social Media and Cloud-Based Collaboration for Business	3

## Second Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
	MATH 100, MATH 103, MATH 112, or MATH 115	3
ACC 201	Introduction to Financial Accounting	3
BUSN 123	Word Processing for Business	3
ENG 100	Composition I	3
BUSN 193v	Business Technology Cooperative Education	3

### Third Semester (Fall) (15 credits)

Course #	Title	Credits
BLAW 200	Legal Environment of Business	3
MGT 120	Principles of Management	3
	ECON 130 or ECON 131	3
ACC 202	Introduction to Managerial Accounting	3
	Lower Division elective	3

### Fourth Semester (Spring) (16-17 credits)

Course #	Title	Credits
ENG 209	Business & Managerial Writing	3
MKT 120	Principles of Marketing	3
	Natural Science Elective with Lab	4
MGT 122	Human Relations in Management	3
	Lower Division elective	3-4

### Business Administration (CA) (30 credits)

#### Degree Type

Certificate of Achievement

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

Course #	Title	Credits
BUS 120	Principles of Business	3
	ICS 101 or BUSN 150	3
MGT 120	Principles of Management	3
MGT 122	Human Relations in Management	3
MKT 120	Principles of Marketing	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3
BLAW 200	Legal Environment of Business	3
ECON 130	Principles of Economics: Microeconomics*	3
ENG 100	Composition I	3
	MATH 103 or MATH 115 or Higher	3

#### Course Sequencing

Full-time students would take courses in this sequence:

### First Semester (Fall) (15 credits)

Course #	Title	Credits
BUS 120	Principles of Business	3
	ICS 101 or BUSN 150	3
ENG 100	Composition I	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3
MGT 120	Principles of Management	3

### Second Semester (Spring) (15 credits)

Course #	Title	Credits
	MATH 103 or MATH 115 or Higher	3
MKT 120	Principles of Marketing	3
MGT 122	Human Relations in Management	3
ECON 130	Principles of Economics: Microeconomics*	3
BLAW 200	Legal Environment of Business	3

## Business Administration (CO) (9 credits)

### Degree Type

Certificate of Competence

## Requirements for Certificates of Competence (CO)

### Entrepreneurship (12 credits)

Course #	Title	Credits
BUS 125	Starting a Business	3
MGT 124	Human Resources Management	3
	ACC 124 or ACC 201	3
BLAW 200	Legal Environment of Business	3

### Supervision (9 credits)

Course #	Title	Credits
MGT 120	Principles of Management	3
MGT 122	Human Relations in Management	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3

### e-Marketing (12 credits)

Course #	Title	Credits
MKT 120	Principles of Marketing	3
MKT 285	Internet/Social Media Marketing	3
BUSN 150	Introduction to Business Computing	3
BUSN 261	Web Page Construction Fundamentals and Marketing	3

## 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](mailto:crutherf@hawaii.edu) for more information.

### Learning Outcomes

1. Use and maintain appropriate materials, tools, equipment, and procedures to carry out tasks performed on construction projects according to safety and industry standards.
2. Use math, computer, and oral and written communication skills to solve construction project problems.
3. Create and maintain accurate documentation of construction and maintenance projects.
4. Describe industry standard Green Building practices in construction and maintenance projects.
5. Read and interpret blueprints, and/or schematics, and specifications to plan projects.
6. Demonstrate the craftsmanship standards of dependability, punctuality, and quality.
7. Examine and use proper mechanical, electrical, and carpentry codes and standards applicable to construction and repair.

## Construction Technology - Building & Construction (AAS) (60 credits)

### Degree Type

Associate in Applied Science

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

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AEC 110	Basic AutoCAD	4
BLPR 101	Blueprint & Drafting Foundations	3
CARP 120	Basic Carpentry Skills	3
CARP 121	Framing and Exterior Finish	3
CARP 122	Interior Finish	3
ELEC 100	Survey of Electrical Math and Physics	3
ELEC 110	Residential and Light Commercial Wiring	2
FMGT 100	Introduction to Building Maintenance and Construction	2
MAIN 130	Masonry	2
MAIN 140	Painting & Decorating	2
MAIN 150	Plumbing I	2
OSH 100	First Aid, CPR, and Automated External Defibrillator (AED)	1
OSH 110	Occupational Safety & Health for Construction	1
	ENG 100 or ENG 106	3
	MATH 100 or Higher, or BUSN 189	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3
	ICS 101 or BUSN 150	3
	Cooperative Education 193v	2
	Technical Electives - Building & Construction Concentration	6
	Humanities Elective	3
	Natural Science Elective	3
	Social Science Elective	3

### Course Sequencing

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

### First Semester (Fall) (14 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CARP 120	Basic Carpentry Skills	3
FMGT 100	Introduction to Building Maintenance and Construction	2
	ICS 101 or BUSN 150	3
	ENG 100 or ENG 106	3
	MATH 100 or Higher, or BUSN 189	3

### Second Semester (Spring) (14 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
BLPR 101	Blueprint & Drafting Foundations	3
CARP 121	Framing and Exterior Finish	3
ELEC 100	Survey of Electrical Math and Physics	3
MAIN 150	Plumbing I	2
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3



### Third Semester (Fall) (15 credits)

Course #	Title	Credits
AEC 110	Basic AutoCAD	4
CARP 122	Interior Finish	3
ELEC 110	Residential and Light Commercial Wiring	2
MAIN 130	Masonry	2
MAIN 140	Painting & Decorating	2
OSH 100	First Aid, CPR, and Automated External Defibrillator (AED)	1
OSH 110	Occupational Safety & Health for Construction	1

### Fourth Semester (Spring) (17 credits)

Course #	Title	Credits
	Cooperative Education 193v	2
	Technical Electives - Building & Construction Concentration	6
	Humanities Elective	3
	Natural Science Elective	3
	Social Science Elective	3

### Construction Technology - Facilities Management (AAS) (60 credits)

#### Degree Type

Associate in Applied Science

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

Course #	Title	Credits
BLPR 101	Blueprint & Drafting Foundations	3
ELEC 100	Survey of Electrical Math and Physics	3
	ENRG 101 or SSM 101	3
	ENRG 103 or SSM 275	3
FMGT 100	Introduction to Building Maintenance and Construction	2
FMGT 120	Introduction to Project Management	3
FMGT 200	Mechanical Systems Design and Construction	3
FMGT 201	Facilities Operations and Leadership	2
BLAW 200	Legal Environment of Business	3
	ECON 120 or ECON 130 or ECON 131	3
SSM 201	Sustainable Building Design	3
	ENG 209 or ENG 200	3
	MATH 103 or MATH 115	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3
	ICS 101 or BUSN 150	3
	Cooperative Education 193v	2
	Technical Electives - Facilities Management Concentration	2
	Technical Electives - Facilities Management Concentration	4
	Humanities Elective	3
	Natural Science Elective	3
	Social Science Elective	3

#### Course Sequencing

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

### First Semester (Fall) (14 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
	ENRG 101 or SSM 101	3
FMGT 100	Introduction to Building Maintenance and Construction	2
	ICS 101 or BUSN 150	3
	ENG 209 or ENG 200	3
	MATH 103 or MATH 115	3

### Second Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
BLPR 101	Blueprint & Drafting Foundations	3
ELEC 100	Survey of Electrical Math and Physics	3
	ENRG 103 or SSM 275	3
FMGT 120	Introduction to Project Management	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3

### Third Semester (Fall) (16 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
FMGT 200	Mechanical Systems Design and Construction	3
BLAW 200	Legal Environment of Business	3
	ECON 120 or ECON 130 or ECON 131	3
SSM 201	Sustainable Building Design	3
	Cooperative Education 193v	2
	Technical Electives - Facilities Management Concentration	2

### Fourth Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
FMGT 201	Facilities Operations and Leadership	2
	Technical Electives - Facilities Management Concentration	4
	Humanities Elective	3
	Natural Science Elective	3
	Social Science Elective	3

### Construction Technology - Facilities Mechanical (AAS) (60 credits)

#### **Degree Type**

Associate in Applied Science

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

Course #	Title	Credits
BLPR 101	Blueprint & Drafting Foundations	3
ELEC 100	Survey of Electrical Math and Physics	3
ELEC 110	Residential and Light Commercial Wiring	2
ENRG 101	Introduction to Sustainable Technology	3
ENRG 103	Energy Production Systems	3
FMGT 100	Introduction to Building Maintenance and Construction	2
MAIN 150	Plumbing I	2
MAIN 155	Plumbing II	2
MAIN 160	Small Equipment Repair	2
MAIN 165	Air Conditioning and Refrigeration	2
MAIN 166	Heating, Venting, Air Conditioning and Refrigeration (HVACR) Refrigerant Recovery	1
MAIN 167	Heating, Venting, Air Conditioning and Refrigeration (HVACR) System 2 Design and Controls	
MAIN 170	Preventive Maintenance	2
OSH 100	First Aid, CPR, and Automated External Defibrillator (AED)	1
OSH 110	Occupational Safety & Health for Construction	1
	ENG 100 or ENG 106	3
	MATH 100 or Higher, or BUSN 189	3
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3
	ICS 101 or BUSN 150	3
	Cooperative Education 193v	2
	Technical Electives - Facilities Mechanical Concentration	4
	Technical Electives - Facilities Mechanical Concentration	2
	Humanities Elective	3
	Natural Science Elective	3
	Social Science Elective	3

### Course Sequencing

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

### First Semester (Fall) (15 credits)

Course #	Title	Credits
FMGT 100	Introduction to Building Maintenance and Construction	2
	ICS 101 or BUSN 150	3
	Technical Electives - Facilities Mechanical Concentration	4
	ENG 100 or ENG 106	3
	MATH 100 or Higher, or BUSN 189	3

### Second Semester (Spring) (16 credits)

Course #	Title	Credits
BLPR 101	Blueprint & Drafting Foundations	3
ELEC 100	Survey of Electrical Math and Physics	3
ENRG 101	Introduction to Sustainable Technology	3
MAIN 150	Plumbing I	2
MAIN 170	Preventive Maintenance	2
	BUS/COM 130 or COM 145 or SP 151 or SP 251	3

### Third Semester (Fall) (14 credits)

Course #	Title	Credits
ELEC 110	Residential and Light Commercial Wiring	2
ENRG 103	Energy Production Systems	3
MAIN 160	Small Equipment Repair	2
MAIN 165	Air Conditioning and Refrigeration	2
MAIN 166	Heating, Venting, Air Conditioning and Refrigeration (HVACR) Refrigerant Recovery	1
OSH 100	First Aid, CPR, and Automated External Defibrillator (AED)	1
OSH 110	Occupational Safety & Health for Construction	1
	Technical Electives - Facilities Mechanical Concentration	2

### Fourth Semester (Spring) (15 credits)

Course #	Title	Credits
MAIN 155	Plumbing II	2
MAIN 167	Heating, Venting, Air Conditioning and Refrigeration (HVACR) System 2 Design and Controls	2
	Cooperative Education 193v	2
	Humanities Elective	3
	Natural Science Elective	3
	Social Science Elective	3

### Construction Technology - Building Maintenance & Construction (CA) (37 credits)

#### Degree Type

Certificate of Achievement

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

Course #	Title	Credits
AEC 110	Basic AutoCAD	4
BLPR 101	Blueprint & Drafting Foundations	3
CARP 120	Basic Carpentry Skills	3
CARP 121	Framing and Exterior Finish	3
CARP 122	Interior Finish	3
ELEC 100	Survey of Electrical Math and Physics	3
ELEC 110	Residential and Light Commercial Wiring	2
FMGT 100	Introduction to Building Maintenance and Construction	2
MAIN 130	Masonry	2
MAIN 140	Painting & Decorating	2
MAIN 150	Plumbing I	2
OSH 100	First Aid, CPR, and Automated External Defibrillator (AED)	1
OSH 110	Occupational Safety & Health for Construction	1
	ENG 100 or ENG 106	3
	MATH 100 or Higher, or BUSN 189	3

### Construction Technology - Facilities Management (CA) (37 credits)

#### Degree Type

Certificate of Achievement

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

Course #	Title	Credits
BLPR 101	Blueprint & Drafting Foundations	3
ELEC 100	Survey of Electrical Math and Physics	3
	ENRG 101 or SSM 101	3
	ENRG 103 or SSM 275	3
FMGT 100	Introduction to Building Maintenance and Construction	2
FMGT 120	Introduction to Project Management	3
FMGT 200	Mechanical Systems Design and Construction	3
FMGT 201	Facilities Operations and Leadership	2
BLAW 200	Legal Environment of Business	3
	ECON 120 or ECON 130 or ECON 131	3
SSM 201	Sustainable Building Design	3
	ENG 209 or ENG 200	3
	MATH 103 or MATH 115	3

## Construction Technology - Facilities Mechanical (CA) (37 credits)

### Degree Type

Certificate of Achievement

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

Course #	Title	Credits
BLPR 101	Blueprint & Drafting Foundations	3
ELEC 100	Survey of Electrical Math and Physics	3
ELEC 110	Residential and Light Commercial Wiring	2
ENRG 101	Introduction to Sustainable Technology	3
ENRG 103	Energy Production Systems	3
FMGT 100	Introduction to Building Maintenance and Construction	2
MAIN 150	Plumbing I	2
MAIN 155	Plumbing II	2
MAIN 160	Small Equipment Repair	2
MAIN 165	Air Conditioning and Refrigeration	2
MAIN 166	Heating, Venting, Air Conditioning and Refrigeration (HVACR) Refrigerant Recovery	1
MAIN 167	Heating, Venting, Air Conditioning and Refrigeration (HVACR) System 2 Design and Controls	2
MAIN 170	Preventive Maintenance	2
OSH 100	First Aid, CPR, and Automated External Defibrillator (AED)	1
OSH 110	Occupational Safety & Health for Construction	1
	ENG 100 or ENG 106	3
	MATH 100 or Higher, or BUSN 189	3

## Construction Technology (CO) (5 credits)

### Degree Type

Certificate of Competence

## Sustainable Technology (11-13 credits)

Choose one course from each row.

Course #	Title	Credits
	ENRG 101 or SSM 101	3
	ENRG 103 or SSM 275	3
SSM 201	Sustainable Building Design	3
	AEC 110, BLPR 101, ART 161, MAIN 150, MAIN 165, or MAIN 170	2-4

## Construction Technology (16 credits)

Course #	Title	Credits
CARP 120	Basic Carpentry Skills	3
ELEC 100	Survey of Electrical Math and Physics	3
ENRG 101	Introduction to Sustainable Technology	3
FMGT 100	Introduction to Building Maintenance and Construction	2
	MATH 100 or Higher, or BUSN 189	3
OSH 100	First Aid, CPR, and Automated External Defibrillator (AED)	1
OSH 110	Occupational Safety & Health for Construction	1

## Air Conditioning Maintenance (5 credits)

Course #	Title	Credits
MAIN 165	Air Conditioning and Refrigeration	2
MAIN 166	Heating, Venting, Air Conditioning and Refrigeration (HVACR) Refrigerant Recovery	1
MAIN 167	Heating, Venting, Air Conditioning and Refrigeration (HVACR) System 2 Design and Controls	

## Basic Carpentry Skills (6 credits)

Course #	Title	Credits
CARP 120	Basic Carpentry Skills	3
CARP 121	Framing and Exterior Finish	3

## Basic Drafting Skills (7 credits)

Course #	Title	Credits
AEC 110	Basic AutoCAD	4
BLPR 101	Blueprint & Drafting Foundations	3

## Electrical Maintenance (5 credits)

Course #	Title	Credits
ELEC 100	Survey of Electrical Math and Physics	3
ELEC 110	Residential and Light Commercial Wiring	2

## Energy Production (6 credits)

Course #	Title	Credits
ENRG 101	Introduction to Sustainable Technology	3
ENRG 103	Energy Production Systems	3

## Facilities Management (10 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
FMGT 100	Introduction to Building Maintenance and Construction	2
FMGT 120	Introduction to Project Management	3
FMGT 200	Mechanical Systems Design and Construction	3
FMGT 201	Facilities Operations and Leadership	2

## Maintenance Painting (4 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
FMGT 100	Introduction to Building Maintenance and Construction	2
MAIN 140	Painting & Decorating	2

## Maintenance Plumbing (6 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
FMGT 100	Introduction to Building Maintenance and Construction	2
MAIN 150	Plumbing I	2
MAIN 155	Plumbing II	2

## Rough & Finish Carpentry (6 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CARP 121	Framing and Exterior Finish	3
CARP 122	Interior Finish	3

## Small Equipment Repair (7 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ELEC 100	Survey of Electrical Math and Physics	3
FMGT 100	Introduction to Building Maintenance and Construction	2
MAIN 160	Small Equipment Repair	2

## Creative Media

Creative Media is commercial art: the convergence of art, technology, and commerce. Academy for Creative Media Maui incorporates storytelling, media analysis, screenwriting, graphic design, illustration, photography, audio/video production and editing, motion graphics, animation, web technology, marketing, and journalism. We emphasize foundational knowledge, skills, understanding of intellectual property and ethical concerns, and best practices in the field to foster professional attitudes for success in advertising, web marketing, publishing, motion picture and television production, animation, gaming, app development, VR, and emergent media. Students enjoy project-based growth experiences which elevate critical thinking, awareness of related industries, and the vast career possibilities for commercial artists both in the islands and far beyond our shores.

Our sixty-credit Creative Media Associate in Science (A.S.) degree consists of core classes, general education, and six credits of electives. To develop a focused skill-set, students are encouraged to commit to a pathway in Animation, Filmmaking, or Graphic Design. Additionally, a thirty-credit Creative Media Certificate of Achievement (CA) is attained in the organic pursuit of any of our A.S. degrees.

To prepare students for the job market, graduates are exposed to industry-specific skills in preparation for the workforce, exploring entrepreneurship, or continuing for a four-year degree. Majors are required to earn a letter grade of C or better for core and specialization courses. Students planning a transfer should consult a counselor about future requirements. Notably, articulation agreements afford all A.S. graduates an efficient path to pursue a Bachelor of Arts (B.A.) degree in Creative Media at the University of Hawai'i West O'ahu. Our Filmmakers and Animators often transfer into the University of Hawai'i at Mānoa's Bachelor of Arts (B.A.) degree in Cinematic Arts.

For more information, contact program coordinator Brian Kohne (984-3315, [bkohne@hawaii.edu](mailto:bkohne@hawaii.edu)) for info.

#### Learning Outcomes

1. Apply effective communication and critique skills with peers and clients.
2. Demonstrate skills in professional use of creative media applications and equipment.
3. Describe ethical and legal aspects regarding the creation and use of creative media.
4. Produce creative media project using critical thinking and basic design concepts.

### Creative Media - Animation (AS) (60 credits)

#### Degree Type

Associate in Science

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

Course #	Title	Credits
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 118	Principles of Animation	3
CM 119	Movies from Script to Screen	3
CM 120	Introduction to Digital Video	3
CM 123	Photoshop and Illustrator	3
CM 152	Principles of Video Editing	3
CM 175	Motion Graphics and 2D Animation	3
CM 178	Introduction to 3D Animation	3
CM 252	Intermediate Video and Audio Editing	3
CM 285	Creative Media Capstone	3
ART 113	Introduction to Drawing	3
ICS 110	Introduction to Computer Programming	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3
ENG 100	Composition I	3
ENG 204C	Introduction to Screenwriting	3
	COM 145, SP 151, or SP 251	3
CM 147	Mass Media and Culture	3
	Humanities Elective: CM 145 or CM 148	3
	Natural Science Elective	3-4
	Specialization Elective	3

#### Course Sequencing

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

#### First Semester (Fall) (15 credits)

Course #	Title	Credits
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 120	Introduction to Digital Video	3
CM 123	Photoshop and Illustrator	3
ENG 100	Composition I	3
ART 113	Introduction to Drawing	3

#### Second Semester (Spring) (15 credits)

Course #	Title	Credits
CM 118	Principles of Animation	3
CM 119	Movies from Script to Screen	3
CM 147	Mass Media and Culture	3
CM 152	Principles of Video Editing	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3



### Third Semester (Fall) (15 credits)

Course #	Title	Credits
CM 175	Motion Graphics and 2D Animation	3
ICS 110	Introduction to Computer Programming	3
	COM 145, SP 151, or SP 251	3
ENG 204C	Introduction to Screenwriting	3
	Humanities Elective: CM 145 or CM 148	3

### Fourth Semester (Spring) (15-16 credits)

Course #	Title	Credits
CM 178	Introduction to 3D Animation	3
CM 252	Intermediate Video and Audio Editing	3
CM 285	Creative Media Capstone	3
	Natural Science Elective	3-4
	Specialization Elective	3

### Creative Media - Creative Media (AS) (60 credits)

#### Degree Type

Associate in Science

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

Course #	Title	Credits
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 123	Photoshop and Illustrator	3
CM 152	Principles of Video Editing	3
ICS 101	Digital Tools for the Information World	3
ENG 100	Composition I	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3
	ART 107D or ART 115	3
CM 120	Introduction to Digital Video	3
CM 125	Introduction to Graphic Design	3
CM 147	Mass Media and Culture	3
CM 175	Motion Graphics and 2D Animation	3
CM 285	Creative Media Capstone	3
	COM 145, SP 151, or SP 251	3
	ENG 104 or ENG 200	3
HWST 107	Hawai'i: Center of the Pacific	3
MKT 160	Advertising & Promotion	3
	Natural Science Elective	3-4
	Specialization Elective	3
	Specialization Elective	3
	Specialization Elective	3

#### Course Sequencing

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

### First Semester (Fall) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ART 107D	Introduction to Digital Photography	3
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 123	Photoshop and Illustrator	3
ENG 100	Composition I	3
ICS 101	Digital Tools for the Information World	3

### Second Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CM 125	Introduction to Graphic Design	3
CM 147	Mass Media and Culture	3
CM 152	Principles of Video Editing	3
	COM 145, SP 151, or SP 251	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3

### Third Semester (Fall) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CM 120	Introduction to Digital Video	3
CM 175	Motion Graphics and 2D Animation	3
	ENG 104 or ENG 200	3
MKT 160	Advertising & Promotion	3
	Specialization Elective	3

### Fourth Semester (Spring) (15-16 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CM 285	Creative Media Capstone	3
HWST 107	Hawai'i: Center of the Pacific	3
	Natural Science Elective	3-4
	Specialization Elective	3
	Specialization Elective	3

### Creative Media - Filmmaking (AS) (60 credits)

#### **Degree Type**

Associate in Science

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

For ENG 204C, 3 Credits must be WI (Writing Intensive).

Course #	Title	Credits
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 119	Movies from Script to Screen	3
CM 120	Introduction to Digital Video	3
CM 123	Photoshop and Illustrator	3
CM 147	Mass Media and Culture	3
CM 152	Principles of Video Editing	3
CM 175	Motion Graphics and 2D Animation	3
CM 220	Intermediate Digital Video	3
CM 252	Intermediate Video and Audio Editing	3
CM 285	Creative Media Capstone	3
ART 107D	Introduction to Digital Photography	3
MUS 271	Intro to Music Technology	3
	MKT 120 or MKT 160	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3
ENG 100	Composition I	3
ENG 204C	Introduction to Screenwriting	3
	Humanities Elective: CM 145 or CM 148	3
	COM 145, SP 151, or SP 251	3
	Natural Science Elective	3-4
	Specialization Elective	3

### Course Sequencing

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

### First Semester (Fall) (15 credits)

Course #	Title	Credits
ART 107D	Introduction to Digital Photography	3
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 123	Photoshop and Illustrator	3
ENG 100	Composition I	3
CM 120	Introduction to Digital Video	3

### Second Semester (Spring) (15 credits)

Course #	Title	Credits
CM 119	Movies from Script to Screen	3
CM 147	Mass Media and Culture	3
CM 152	Principles of Video Editing	3
	COM 145, SP 151, or SP 251	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3

### Third Semester (Fall) (15 credits)

Course #	Title	Credits
CM 175	Motion Graphics and 2D Animation	3
MUS 271	Intro to Music Technology	3
ENG 204C	Introduction to Screenwriting	3
	Humanities Elective: CM 145 or CM 148	3
	MKT 120 or MKT 160	3

#### Fourth Semester (Spring) (15-16 credits)

Course #	Title	Credits
CM 220	Intermediate Digital Video	3
CM 252	Intermediate Video and Audio Editing	3
CM 285	Creative Media Capstone	3
	Natural Science Elective	3-4
	Specialization Elective	3

#### Creative Media - Graphic Design (AS) (60 credits)

##### Degree Type

Associate in Science

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

Course #	Title	Credits
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 123	Photoshop and Illustrator	3
CM 152	Principles of Video Editing	3
ICS 101	Digital Tools for the Information World	3
ENG 100	Composition I	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3
ART 107D	Introduction to Digital Photography	3
ART 115	Introduction to 2D Design	3
CM 125	Introduction to Graphic Design	3
CM 147	Mass Media and Culture	3
	CM 139 or CM 144	3
CM 175	Motion Graphics and 2D Animation	3
CM 180	Introduction to Website Technology	3
CM 225	Intermediate Graphic Design	3
CM 285	Creative Media Capstone	3
	COM 145, SP 151, or SP 251	3
	ENG 104, ENG 200, ENG 204C, or JOUR 205	3
MKT 160	Advertising & Promotion	3
	Natural Science Elective	3-4
	Specialization Elective	3

##### Course Sequencing

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

#### First Semester (Fall) (15 credits)

Course #	Title	Credits
ART 107D	Introduction to Digital Photography	3
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 123	Photoshop and Illustrator	3
ENG 100	Composition I	3
ICS 101	Digital Tools for the Information World	3

## Second Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ART 115	Introduction to 2D Design	3
CM 147	Mass Media and Culture	3
CM 152	Principles of Video Editing	3
	COM 145, SP 151, or SP 251	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3

## Third Semester (Fall) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CM 125	Introduction to Graphic Design	3
	CM 139 or CM 144	3
CM 175	Motion Graphics and 2D Animation	3
	ENG 104, ENG 200, ENG 204C, or JOUR 205	3
MKT 160	Advertising & Promotion	3

## Fourth Semester (Spring) (15-16 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CM 180	Introduction to Website Technology	3
CM 225	Intermediate Graphic Design	3
CM 285	Creative Media Capstone	3
	Natural Science Elective	3-4
	Specialization Elective	3

## Creative Media (CA) (30 credits)

### Degree Type

Certificate of Achievement

## Requirements for Certificate of Achievement (CA)

### Core courses required for CA programs (30 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CM 105	Storytelling: Find Your Voice in Creative Media	3
CM 123	Photoshop and Illustrator	3
CM 147	Mass Media and Culture	3
CM 175	Motion Graphics and 2D Animation	3
	ART 107D or ART 113	3
	ART 115, CM 118, or CM 119	3
	CM 152, CM 180, or ICS 200	3
	CM 139, CM 144, CM145, CM 146, or CM 148	3
	MATH 100, MATH 103, MATH 115, MATH 135 or Higher	3
ENG 100	Composition I	3

## 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, Craig Omori by email at [omoric@hawaii.edu](mailto:omoric@hawaii.edu) for more information.

#### Learning Outcomes

1. Identify and practice the basic principles of culinary service, organization and structure, sanitation and safety in a food service operation to maintain the optimum health and satisfaction of the consumer.
2. Explain, examine and demonstrate principles and concepts of quality food procurement and identification, food and baking preparation and cost controls, service, and proper use of tools and equipment to produce and serve a variety of professional food items.
3. Demonstrate skills in various areas of the culinary hierarchy: human relations, teamwork, leadership, personnel management, and ethical decision making.
4. Discuss the standards of restaurant regulations involving liquor protocol and health and safety regulations
5. Practice standards in behavior, ethics, grooming and dress appropriate to culinary industry professionals.

### Culinary Arts - Baking (AAS) (77 credits)

#### Degree Type

Associate in Applied Science

#### Requirements for Associate in Applied Science (AAS) Degree - Baking (77 credits)

Course #	Title	Credits
CULN 150	Fundamentals of Baking	5
CULN 155	Intermediate Baking	5
CULN 250	Advanced Baking I	5
CULN 251	Advanced Baking II	5
CULN 111	Introduction to the Culinary Industry	2
CULN 112	Sanitation and Safety	2
CULN 120	Fundamentals of Cookery	5
CULN 130	Intermediate Cookery	5
CULN 132	Batch Cookery	5
CULN 160	Dining Room Operations	5
CULN 220	Advanced Cookery	5
CULN 271	Purchasing and Cost Control	4
CULN 191	Catering Field Experience	1
CULN 291	Culinary Field Experience	2
MGT 124	Human Resources Management	3
	FSHN 185 or FSHN 285	3
	BUS/COM 130 or COM 145 or SP 151	3
	Humanities Elective	3
	Social Science Elective	3
	CULN 100, MATH 100, or MATH 103	3
ENG 100	Composition I	3

#### Course Sequencing

Baking full-time students would take courses in sequence:

### First Semester (17 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 111	Introduction to the Culinary Industry	2
CULN 112	Sanitation and Safety	2
CULN 120	Fundamentals of Cookery	5
CULN 150	Fundamentals of Baking	5
	CULN 100, MATH 100, or MATH 103	3

### Second Semester (17 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 130	Intermediate Cookery	5
CULN 132	Batch Cookery	5
CULN 191	Catering Field Experience	1
	BUS/COM 130 or COM 145 or SP 151	3
ENG 100	Composition I	3

### Summer (7 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 155	Intermediate Baking	5
CULN 291	Culinary Field Experience	2

### Third Semester (18 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 160	Dining Room Operations	5
CULN 220	Advanced Cookery	5
CULN 250	Advanced Baking I	5
	Humanities Elective	3

### Fourth Semester (18 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 251	Advanced Baking II	5
CULN 271	Purchasing and Cost Control	4
MGT 124	Human Resources Management	3
	FSHN 185 or FSHN 285	3
	Social Science Elective	3

### Culinary Arts - Culinary Arts (AAS) (68 credits)

#### **Degree Type**

Associate in Applied Science

## Requirements for Associate in Applied Science (AAS) Degree - Culinary Arts (68 credits)

Course #	Title	Credits
CULN 111	Introduction to the Culinary Industry	2
CULN 112	Sanitation and Safety	2
CULN 120	Fundamentals of Cookery	5
CULN 130	Intermediate Cookery	5
CULN 132	Batch Cookery	5
CULN 150	Fundamentals of Baking	5
CULN 191	Catering Field Experience	1
	CULN 100, MATH 100, or MATH 103	3
ENG 100	Composition I	3
CULN 115	Menu Merchandising	2
CULN 160	Dining Room Operations	5
CULN 220	Advanced Cookery	5
CULN 240	Garde Manger	4
CULN 271	Purchasing and Cost Control	4
CULN 291	Culinary Field Experience	2
MGT 124	Human Resources Management	3
	FSHN 185 or FSHN 285	3
	BUS/COM 130 or COM 145 or SP 151	3
	Humanities Elective	3
	Social Science Elective	3

### Course Sequencing

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

#### First Semester (17 credits)

Course #	Title	Credits
CULN 111	Introduction to the Culinary Industry	2
CULN 112	Sanitation and Safety	2
CULN 120	Fundamentals of Cookery	5
CULN 150	Fundamentals of Baking	5
	CULN 100, MATH 100, or MATH 103	3

#### Second Semester (17 credits)

Course #	Title	Credits
CULN 130	Intermediate Cookery	5
CULN 132	Batch Cookery	5
	BUS/COM 130 or COM 145 or SP 151	3
CULN 191	Catering Field Experience	1
ENG 100	Composition I	3

#### Summer (2 credits)

Course #	Title	Credits
CULN 291	Culinary Field Experience	2



### Third Semester (18 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 160	Dining Room Operations	5
CULN 220	Advanced Cookery	5
CULN 115	Menu Merchandising	2
MGT 124	Human Resources Management	3
	Humanities Elective	3

### Fourth Semester (14 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 240	Garde Manger	4
CULN 271	Purchasing and Cost Control	4
	FSHN 185 or FSHN 285	3
	Social Science Elective	3

### Culinary Arts (CA) (31 credits)

#### **Degree Type**

Certificate of Achievement

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

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 111	Introduction to the Culinary Industry	2
CULN 112	Sanitation and Safety	2
CULN 120	Fundamentals of Cookery	5
CULN 130	Intermediate Cookery	5
CULN 132	Batch Cookery	5
CULN 150	Fundamentals of Baking	5
CULN 191	Catering Field Experience	1
	CULN 100, MATH 100, or MATH 103	3
ENG 100	Composition I	3

#### **Course Sequencing**

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

### First Semester (17 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 111	Introduction to the Culinary Industry	2
CULN 112	Sanitation and Safety	2
CULN 120	Fundamentals of Cookery	5
CULN 150	Fundamentals of Baking	5
	CULN 100, MATH 100, or MATH 103	3

### Second Semester (14 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CULN 130	Intermediate Cookery	5
CULN 132	Batch Cookery	5
CULN 191	Catering Field Experience	1
ENG 100	Composition I	3

## Culinary Arts (CO) (19 credits)

### Degree Type

Certificate of Competence

## Requirements for Certificates of Competence (CO)

### Culinary Arts (19 credits)

Course #	Title	Credits
CULN 120	Fundamentals of Cookery	5
CULN 130	Intermediate Cookery	5
CULN 132	Batch Cookery	5
CULN 271	Purchasing and Cost Control	4

### Pastry Cook (20 credits)

Course #	Title	Credits
CULN 150	Fundamentals of Baking	5
CULN 155	Intermediate Baking	5
CULN 250	Advanced Baking I	5
CULN 251	Advanced Baking II	5

## 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 following the 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, and 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**, **MATH 103**, or **MATH 115(3)**; **MICR 130(3)** and **MICR 140(2)**; **PHYL 141/PHYL 141L(3,1)** and **PHYL 142/PHYL 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 ten years before the application deadline. A "lab" course (e.g., **PHYL 141L**, **PHYL 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 odd fall year (e.g. Fall 2021, Fall 2023, Fall 2025): 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 the 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](http://maui.hawaii.edu/dental)

Contact the Program Coordinator, Leanne Higa, at 808-984-3313 or by email at [higalea@hawaii.edu](mailto:higalea@hawaii.edu) for information.

### Learning Outcomes

1. Facilitate the development of entry-level care providers who demonstrate an understanding of dental hygiene roles, including the legal, professional, and ethical responsibilities within the community.
2. Demonstrate basic theoretical knowledge and skills in biological science, dental radiology, chair side dental hygiene, and business office procedures to support dental hygiene practice and build the foundation for an associate degree in the dental hygiene program.
3. Demonstrate a commitment to lifelong learning and advancing competency over a lifetime of practice.

## Dental Hygiene (AS) (84 credits)

### Degree Type

Associate in Science

## Prerequisite Courses (19 credits)

*Must have grade C or better.*

Course #	Title	Credits
ENG 100	Composition I	3
	MATH 100, MATH 103, or MATH 115	3
MICR 130	General Microbiology	3
MICR 140	General Microbiology Lab	2
PHYL 141	Human Anatomy & Physiology I	3
PHYL 141L	Human Anatomy & Physiology I Lab	1
PHYL 142	Human Anatomy & Physiology II	3
PHYL 142L	Human Anatomy & Physiology II Lab	1

## Requirements for Associate in Science (AS) Degree (65 credits)

*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.*

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
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	1
DH 156C	Pre-Clinical Dental Hygiene Clinic	2
DH 158	Anatomical Sciences	2
DH 252	Dental Materials	1
DH 252L	Dental Materials Lab	1
DH 254	Pathology in Dental Hygiene and Special Patient Populations	3
DH 255	Oral Pathology in Dental Hygiene	2
DH 256	Applied Pharmacology in Dentistry	2
DH 257	Periodontics 1 and Advanced Clinical Techniques	1
DH 257C	Periodontics 1 & Advanced Clinical Techniques Clinic	1
DH 258	Periodontics 2 and Advanced Clinical Techniques	1
DH 258C	Periodontics 2 and Advanced Clinical Techniques in Dental Hygiene Clinic	1
DH 260	Clinical Dental Hygiene 1	1
DH 260C	Clinical Dental Hygiene 1 Clinic	3
DH 261	Clinical Dental Hygiene 2	1
DH 261C	Clinical Dental Hygiene 2 Clinic	1
DH 262	Clinical Dental Hygiene 3	1
DH 262C	Clinical Dental Hygiene 3 Clinic	4
DH 263	Clinical Dental Hygiene 4	1
DH 263C	Clinical DH 4	4
DH 264	Community Dental Health	2
DH 265	Law and Ethics in Dental Hygiene	1
DH 266	Local Anesthesia and Pain Control	1
DH 266C	Local Anesthesia and Pain Control Clinic	1
DH 267	Dental Radiology and Interpretation	2
DH 267L	Dental Radiology & Interpretation Lab	1
BIOC 141	Fundamentals of Biochemistry	3
FSHN 285	The Science of Human Nutrition	3
PHRM 203	General Pharmacology	3
PSY 100	Survey of Psychology	3
SOC 100	Survey of General Sociology	3
	BUS/COM 130, COM 145 or SP 151	3

### **Course Sequencing**

Cohort takes courses in this sequence

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

### First Semester (Fall) (22 credits)

Course #	Title	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	1
DH 156C	Pre-Clinical Dental Hygiene Clinic	2
DH 158	Anatomical Sciences	2
DH 254	Pathology in Dental Hygiene and Special Patient Populations	3
DH 267	Dental Radiology and Interpretation	2
DH 267L	Dental Radiology & Interpretation Lab	1
BIOC 141	Fundamentals of Biochemistry	3
PHRM 203	General Pharmacology	3

### Second Semester (Spring) (18 credits)

Course #	Title	Credits
DH 252	Dental Materials	1
DH 252L	Dental Materials Lab	1
DH 255	Oral Pathology in Dental Hygiene	2
DH 256	Applied Pharmacology in Dentistry	2
DH 257	Periodontics 1 and Advanced Clinical Techniques	1
DH 257C	Periodontics 1 & Advanced Clinical Techniques Clinic	1
DH 260	Clinical Dental Hygiene 1	1
DH 260C	Clinical Dental Hygiene 1 Clinic	3
FSHN 285	The Science of Human Nutrition	3
	BUS/COM 130, COM 145 or SP 151	3

### Summer Session (6 weeks) (4 credits)

Course #	Title	Credits
DH 261	Clinical Dental Hygiene 2	1
DH 261C	Clinical Dental Hygiene 2 Clinic	1
DH 266	Local Anesthesia and Pain Control	1
DH 266C	Local Anesthesia and Pain Control Clinic	1

### Third Semester (Fall) (15 credits)

Course #	Title	Credits
DH 258	Periodontics 2 and Advanced Clinical Techniques	1
DH 258C	Periodontics 2 and Advanced Clinical Techniques in Dental Hygiene Clinic	1
DH 262	Clinical Dental Hygiene 3	1
DH 262C	Clinical Dental Hygiene 3 Clinic	4
DH 264	Community Dental Health	2
PSY 100	Survey of Psychology	3
SOC 100	Survey of General Sociology	3

### Fourth Semester (Spring) (6 credits)

Course #	Title	Credits
DH 263	Clinical Dental Hygiene 4	1
DH 263C	Clinical DH 4	4
DH 265	Law and Ethics in Dental Hygiene	1

# Early Childhood Education

The Early Childhood Education program prepares 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.

Students with a current CDA (Child Development Associate) credential (without [ECED 190](#) credit) may apply for 4 credits of [ECED 193/ECED 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 [Prior Learning Assessment - Credit for Non-Collegiate Instruction](#). See program coordinator to initiate the process. Students are encouraged to regularly meet with the program coordinator to prepare an education plan and get approval to take ECED 193, ECED 194, and ECED 295.

The Associate of Science (A.S.) Early Childhood Education program at the University of Hawai'i Maui College is accredited by the Commission on the Accreditation of Early Childhood Higher Education Programs of the [National Association for the Education of Young Children](#). Due to our accreditation, the following class can not be transferred in: ECED 131, ECED 193/194, ECED 245, ECED 263, ECED 264, ECED 295. The current accreditation term runs from July 2023 through December 2024.

For more program information, contact the Program Coordinator, Julie Powers, at 808-984-3291 or by email at [juliepow@hawaii.edu](mailto:juliepow@hawaii.edu).

## Learning Outcomes

1. Use knowledge of child development and of individual children to create healthy, challenging learning environments and experiences
2. Build respectful partnerships with children, families, and their communities.
3. Observe, document and assess children's development and learning in partnership with families.
4. Build positive relationships and guide children through supportive interactions.
5. Plan, implement, and assess learning experiences using appropriate content, concepts, and methods.
6. Base decisions and actions on ethical and other professional standards.
7. Advocate for children and their families within the program.

## Early Childhood Education (AS) (62 credits)

### **Degree Type**

Associate in Science

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

Course #	Title	Credits
ECED 105	Introduction to Early Childhood Education	3
ECED 110	Developmentally Appropriate Practices	3
ECED 115	Health, Safety, and Nutrition for the Young Child	3
ECED 131	Early Childhood Development: Theory into Practice	3
ECED 140	Guiding Young Children in Group Settings	3
	ECED 193 or ECED 194	4
ECED 245	Child, Family, and Community	3
ECED 263	Language and Creative Expression Curriculum	3
ECED 264	Inquiry and Physical Curriculum	3
ECED 295	Early Childhood Field Experience II	4
ENG 100	Composition I	3
	MATH 100, MATH 103, MATH 112, or MATH 115	3
	ECED Elective	3
	HSER 110 or SW 200	3
	ART 101 or MUS 253	3
	BUS/COM 130 or COM 145 or SP 151	3
	HDFS 230 or PSY 240	3
	Humanities Elective	3
	Natural Science Elective	3-4
	ENG 200 or Global Multicultural Perspectives or Natural Science	3

### Course Sequencing

Full-time students would take courses in this sequence:

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

### First Semester (Fall) (15 credits)

Course #	Title	Credits
ECED 105	Introduction to Early Childhood Education	3
ECED 115	Health, Safety, and Nutrition for the Young Child	3
ECED 131	Early Childhood Development: Theory into Practice	3
ENG 100	Composition I	3
	Humanities Elective	3

### Second Semester (Spring) (15 credits)

Course #	Title	Credits
ECED 110	Developmentally Appropriate Practices	3
ECED 140	Guiding Young Children in Group Settings	3
	ECED Elective	3
	ART 101 or MUS 253	3
	MATH 100, MATH 103, MATH 112, or MATH 115	3

### Third Semester (Fall) (16 credits)

Course #	Title	Credits
	ECED 193 or ECED 194	4
	HDFS 230 or PSY 240	3
ECED 263	Language and Creative Expression Curriculum	3
	HSER 110 or SW 200	3
	BUS/COM 130 or COM 145 or SP 151	3

## Fourth Semester (Spring) (16-17 credits)

Course #	Title	Credits
ECED 264	Inquiry and Physical Curriculum	3
ECED 295	Early Childhood Field Experience II	4
ECED 245	Child, Family, and Community	3
	Natural Science Elective	3-4
	ENG 200 or Global Multicultural Perspectives or Natural Science	3

## Early Childhood Education (CA) (38 credits)

### Degree Type

Certificate of Achievement

## Requirements for Certificate of Achievement (CA) (38 credits)

Course #	Title	Credits
ECED 105	Introduction to Early Childhood Education	3
ECED 110	Developmentally Appropriate Practices	3
ECED 115	Health, Safety, and Nutrition for the Young Child	3
ECED 131	Early Childhood Development: Theory into Practice	3
ECED 140	Guiding Young Children in Group Settings	3
	ECED 193 or ECED 194	4
ECED 245	Child, Family, and Community	3
ECED 263	Language and Creative Expression Curriculum	3
ECED 264	Inquiry and Physical Curriculum	3
ECED 295	Early Childhood Field Experience II	4
ENG 100	Composition I	3
	MATH 100, MATH 103, MATH 112, or MATH 115	3

### Course Sequencing

Full-time students would take courses in this sequence:

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

## First Semester (Fall) (12 credits)

Course #	Title	Credits
ECED 105	Introduction to Early Childhood Education	3
ECED 115	Health, Safety, and Nutrition for the Young Child	3
ECED 131	Early Childhood Development: Theory into Practice	3
ENG 100	Composition I	3

## Second Semester (Spring) (9 credits)

Course #	Title	Credits
ECED 110	Developmentally Appropriate Practices	3
ECED 140	Guiding Young Children in Group Settings	3
	MATH 100, MATH 103, MATH 112, or MATH 115	3

## Third Semester (Fall) (10 credits)

Course #	Title	Credits
	ECED 193 or ECED 194	4
ECED 245	Child, Family, and Community	3
ECED 263	Language and Creative Expression Curriculum	3



## Fourth Semester (Spring) (7 credits)

Course #	Title	Credits
ECED 264	Inquiry and Physical Curriculum	3
ECED 295	Early Childhood Field Experience II	4

## Early Childhood Education (CO) (9 credits)

### Degree Type

Certificate of Competence

## Requirements for Certificates of Competence (CO)

### Initial Early Childhood Certificate (9 credits)

2.0 GPA required in courses taken for CO.

Course #	Title	Credits
ECED 105	Introduction to Early Childhood Education	3
ECED 110	Developmentally Appropriate Practices	3
ECED 131	Early Childhood Development: Theory into Practice	3

### Early Childhood Practitioner I (16 credits)

2.0 GPA required in CO courses & grade C or better in each course.

Course #	Title	Credits
ECED 105	Introduction to Early Childhood Education	3
ECED 110	Developmentally Appropriate Practices	3
ECED 131	Early Childhood Development: Theory into Practice	3
ECED 140	Guiding Young Children in Group Settings	3
	ECED 193 or ECED 194	4

### Early Childhood Option (12 credits)

Choose 12 credits from this list.

For those with bachelor degrees in any field other than ECED or Elementary Education.

2.0 GPA required in CO courses & grade C or better in each course.

Course #	Title	Credits
ECED 105	Introduction to Early Childhood Education	3
ECED 110	Developmentally Appropriate Practices	3
ECED 115	Health, Safety, and Nutrition for the Young Child	3
ECED 131	Early Childhood Development: Theory into Practice	3
ECED 140	Guiding Young Children in Group Settings	3
ECED 193	Early Childhood Field Experience IA	4
ECED 194	Early Childhood Field Experience IB	4
ECED 245	Child, Family, and Community	3
ECED 263	Language and Creative Expression Curriculum	3
ECED 264	Inquiry and Physical Curriculum	3
ECED 275	Inclusion of Children with Special Needs	3
ECED 295	Early Childhood Field Experience II	4

# Electronic & Computer Engineering Technology

The Electronic & Computer Engineering Technology (ECET) program provides students with the skills and knowledge required for entry-level employment in the high-technology industry as electronic /electro-optic, renewable energy, telecom, and network system administrators. Students learn fundamental engineering concepts, computer programming, mathematics, and physics relevant to various industries in Maui. Training, equipment, and supplies for 3-D printing and circuit board fabrication are provided. 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 various engineering technology positions are provided. The ECET program also includes a Certificate of Competence (CO) and Certificate of Achievement (CA) in Information Security Specialist.

Contact Elisabeth Dubuit, at 808-984-3706 or by email at [edubuit@hawaii.edu](mailto:edubuit@hawaii.edu) for more information.

## Learning Outcomes

1. Analyze, design, and implement electro-optic systems, control systems, instrumentation systems, communication systems, computer systems, or power systems.
2. Apply project management techniques to electrical/electronic(s) and computer systems.
3. Utilize appropriate mathematics at the level of algebra and trigonometry to solve technical problems.
4. Demonstrate critical engineering technology skills and experiences such as: making existing technology operate, creating/selecting new technology, troubleshooting, calibrating, characterizing, and optimizing.
5. Demonstrate engineer's way of thinking, analyzing technology as systems.
6. Demonstrate engineer professional skills such as communication and managing projects;
7. Demonstrate proficiency in the general education college core requirements: creativity, critical thinking, oral and written communication, information retrieval, and quantitative reasoning;
8. Demonstrate a respect for diversity and a knowledge of contemporary professional, societal and global issues;  
and
9. Commit to quality, timeliness, and continuous improvement.

## Electronic & Computer Engineering Technology (AS) (61 credits)

### **Degree Type**

Associate in Science

Math 135 and Math 140 may be substituted for Math 140X.

## Requirements for Associate in Science (AS) in Electronic & Computer Engineering Technology (61-62 credits)

Course #	Title	Credits
ETRO 105	Circuit Analysis I	4
ETRO 106	Circuit Analysis II	4
ICS 110	Introduction to Computer Programming	3
	ICS 111 or EE 160	4
	ETRO 140 or ICS 184	3-4
MATH 103	College Algebra	3
ENG 100	Composition I	3
ETRO 161	Intro Optics & Photonics	3
ETRO 193v	Internship	1
ETRO 201	Digital Computer Technology I	4
ETRO 205	Digital Computer Technology II	4
ETRO 210	Electronic Technology I	3
ETRO 212	Electronic Technology II	3
	MATH 140X or PHYS 151/151L	4
ETRO 296	Capstone Project I	3
ETRO 297	Capstone Project II	3
	ENG 200 or ENG 225	3
	Communication Elective	3
	Social Science Elective	3

### Course Sequencing

Cohort takes courses in this sequence:

### First Semester (Fall) (16 credits)

The prerequisite/corequisite for [ICS 110](#) is [ICS 101](#) (recommended) or [BUSN 150](#).

ETRO 105, ENG 100, ICS 110, and MATH 103 are required for the CA.

Course #	Title	Credits
ETRO 105	Circuit Analysis I	4
ICS 110	Introduction to Computer Programming	3
ENG 100	Composition I	3
MATH 103	College Algebra	3
	Social Science Elective	3

### Second Semester (Spring) (14-15 credits)

ETRO 106 and ICS 111 or EE 160 are required for the CA.

Course #	Title	Credits
ETRO 106	Circuit Analysis II	4
	ICS 111 or EE 160	4
	ETRO 140 or ICS 184	3-4
	ENG 200 or ENG 225	3

### Third Semester (Fall) (20 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ETRO 201	Digital Computer Technology I	4
ETRO 210	Electronic Technology I	3
ETRO 296	Capstone Project I	3
	MATH 140X or PHYS 151/151L	4
	Communication Elective	3

### Fourth Semester (Spring) (17 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ETRO 161	Intro Optics & Photonics	3
ETRO 205	Digital Computer Technology II	4
ETRO 212	Electronic Technology II	3
ETRO 193v	Internship	1
ETRO 297	Capstone Project II	3

### Electronic & Computer Engineering Technology (CA) (21 credits)

#### **Degree Type**

Certificate of Achievement

#### Requirements for Certificate of Achievement (CA) in Electronic & Computer Engineering Technology (21 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ETRO 105	Circuit Analysis I	4
ETRO 106	Circuit Analysis II	4
ICS 110	Introduction to Computer Programming	3
	ICS 111 or EE 160	4
MATH 103	College Algebra	3
ENG 100	Composition I	3

### Information Security Specialist (CA) (24 credits)

#### **Degree Type**

Certificate of Achievement

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

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ICS 101	Digital Tools for the Information World	3
ICS 169	Introduction to Information Security	3
ICS 171	Introduction to Computer Security	3
ICS 184	Introduction to Networking	3
ICS 281	Ethical Hacking	3
ICS 282	Computer Forensics	3
ENG 100	Composition I	3
	MATH 103 or MATH 115	3

## Information Security Specialist (CO) (12 credits)

### Degree Type

Certificate of Competence

*Prereq: ENG 22 and MATH 82, both with grade C or better (or placement to higher course); and consent.*

Course #	Title	Credits
ICS 101	Digital Tools for the Information World	3
ICS 169	Introduction to Information Security	3
ICS 171	Introduction to Computer Security	3
ICS 184	Introduction to Networking	3

## Hawaiian Studies

*K. Ka'eo*

### Learning Outcomes

1. Apply aboriginal Hawaiian concepts, knowledge, and methods to the areas of science, humanities, arts, and social sciences - in academics and in other professional endeavors.
2. Engage, articulate, and analyze topics relevant to the Aboriginal Hawaiian community using college-level research and writing methods.
3. Describe aboriginal Hawaiian linguistic, cultural, historical, and political concepts.

## Hawaiian Studies (AA) (60 credits)

### Degree Type

Associate in Arts

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.

## Graduation 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

## Writing Intensive (WI)

Two courses

## Hawaiian Studies Core (11 credits)

Course #	Title	Credits
HAW 101	Elementary Hawaiian I	4
HAW 102	Elementary Hawaiian II	4
HWST 270	Hawaiian Mythology	3

## Foundations General Education Requirements (18 credits)

Course #	Title	Credits
ENG 100	Composition I	3
	Global Multicultural Perspectives (FGA, FGB, FGC)	6
	Symbolic Reasoning	3
	Oral Communication in English	3
	Quantitative Reasoning (FQ)	3

## Diversification Requirements (17-19 credits)

Course #	Title	Credits
	Arts and Humanities	5-6
	Natural Science	6-7
	Social Sciences	6

## Electives (12-14 credits)

Course #	Title	Credits
	Electives	12-14

# 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.

Contact the Program Coordinator, Dr. Liping Liu at 984-3328 or by email at [LipingL@hawaii.edu](mailto:LipingL@hawaii.edu) for more information.

### Learning Outcomes

1. Demonstrate essential hospitality operations and management skills, including accounting, marketing, and information technology.
2. Communicate effectively with guests and co-workers through writing, speech, listening and non-verbal expression appropriate for the hospitality workplace.
3. Assess personal work performance through various lenses, including Hawaiian cultural values, multicultural “global” perspectives, ethical reasoning, legal principles, and sustainability.
4. Demonstrate essential workplace skills in food and beverage, front office, and housekeeping operations
5. Communicate effectively in a customer service environment

## Hospitality & Tourism (AAS) (63 credits)

### Degree Type

Associate in Applied Science

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

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HOST 100	Career and Customer Service Skills	3
HOST 150	Housekeeping Operations	3
HOST 152	Front Office Operations	3
HOST 154	Food & Beverage Operations	3
HOST 101	Introduction to Hospitality and Tourism	3
	HOST 293 or HOST 294	3
MGT 124	Human Resources Management	3
HWST 100B	Intro to Hawaiian Culture: Communication-Basic Language and Phrases	1
HWST 100C	Intro to Hawaiian Culture: Worldwide-Values, Folklore, and Cultural Practices	1
HWST 100D	Intro to Hawaiian Culture: Landscape-Historical Events, Physical Features, and Unique Flora & Fauna of Maui and Hawai'i	1
ICS 101	Digital Tools for the Information World	3
ENG 100	Composition I	3
	MATH 103, MATH 115, MATH 135, or Higher	3
HOST 258	Hospitality Marketing	3
HOST 280	Hospitality Management	3
	HOST 260 or BLAW 200	3
	HOST 261 or ECON 131	3
ACC 201	Introduction to Financial Accounting	3
ACC 202	Introduction to Managerial Accounting	3
	BUS/COM 130, COM 145 or SP 151	3
ECON 130	Principles of Economics: Microeconomics*	3
	Natural Science Elective and Lab	3-4
ENG 209	Business & Managerial Writing	3

### Course Sequencing

#### First Semester (Fall) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HOST 100	Career and Customer Service Skills	3
HOST 101	Introduction to Hospitality and Tourism	3
HOST 150	Housekeeping Operations	3
HOST 154	Food & Beverage Operations	3
ENG 100	Composition I	3

#### Second Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HOST 152	Front Office Operations	3
MGT 124	Human Resources Management	3
ICS 101	Digital Tools for the Information World	3
HWST 100B	Intro to Hawaiian Culture: Communication-Basic Language and Phrases	1
HWST 100C	Intro to Hawaiian Culture: Worldwide-Values, Folklore, and Cultural Practices	1
HWST 100D	Intro to Hawaiian Culture: Landscape-Historical Events, Physical Features, and Unique Flora & Fauna of Maui and Hawai'i	1
	MATH 103, MATH 115, MATH 135, or Higher	3

### Summer Session (3 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
	HOST 293 or HOST 294	3

### Third Semester (Fall) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HOST 258	Hospitality Marketing	3
ACC 201	Introduction to Financial Accounting	3
ECON 130	Principles of Economics: Microeconomics*	3
ENG 209	Business & Managerial Writing	3
	BUS/COM 130, COM 145 or SP 151	3

### Fourth Semester (Spring) (15-16 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HOST 260	Hospitality Law	3
	HOST 261 or ECON 131	3
HOST 280	Hospitality Management	3
ACC 202	Introduction to Managerial Accounting	3
	Natural Science Elective and Lab	3-4

### Hospitality & Tourism (CA) (33 credits)

#### Degree Type

Certificate of Achievement

### Certificate of Achievement (CA) (33 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HOST 100	Career and Customer Service Skills	3
HOST 150	Housekeeping Operations	3
HOST 152	Front Office Operations	3
HOST 154	Food & Beverage Operations	3
HOST 101	Introduction to Hospitality and Tourism	3
	HOST 293 or HOST 294	3
MGT 124	Human Resources Management	3
HWST 100B	Intro to Hawaiian Culture: Communication-Basic Language and Phrases	1
HWST 100C	Intro to Hawaiian Culture: Worldwide-Values, Folklore, and Cultural Practices	1
HWST 100D	Intro to Hawaiian Culture: Landscape-Historical Events, Physical Features, and Unique Flora & Fauna of Maui and Hawai'i	1
ICS 101	Digital Tools for the Information World	3
ENG 100	Composition I	3
	MATH 103, MATH 115, MATH 135, or Higher	3

### Hospitality & Tourism (CO) (12 credits)

#### Degree Type

Certificate of Competence



## Certificate of Competence (CO) (12 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HOST 100	Career and Customer Service Skills	3
HOST 150	Housekeeping Operations	3
HOST 152	Front Office Operations	3
HOST 154	Food & Beverage Operations	3

## 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 Certificates of Competence in Substance Abuse Counseling I and II, when combined with the Case Management course, fulfill the following Hawai'i Department of Health, Alcohol and Drug Abuse Division requirements for Certified Substance Abuse Counselor (CSAC): 300 hours of substance use disorder-specific education, 2,000 hours of supervised work education based on educational achievement, and 400 hours of substance use disorder-specific fieldwork. Fieldwork must be completed at an appropriate site under the supervision of an eligible CSAC.

*Human Services majors are required to earn a letter grade of C or better (or credit-by-exam) for each HSER, CHW, or SW course.*

Contact the Program Coordinator, Selene LeGare, at 984-3338 or by email at [slegare@hawaii.edu](mailto:slegare@hawaii.edu) for a careful selection of courses.

### Learning Outcomes

1. Demonstrate the interpersonal and communication skills needed to build appropriate, collaborative, and respectful relationships with clients and colleagues.
2. Apply key human services attitudes, skills, and knowledge to meet the needs of diverse populations in various practice settings.
3. Identify vulnerable populations and the social conditions that contribute to their vulnerability, and describe advocacy strategies to help alleviate those conditions.
4. Demonstrate awareness of personal values, professional strengths and challenges, and professional ethical guidelines.

## Human Services (AS) (61 credits)

### **Degree Type**

Associate in Science

## Requirements for Associate in Science (AS) Degrees (61-62 credits)

Course #	Title	Credits
HSER 110	Introduction to Human Services	3
HSER 140	Individual Counseling	3
HSER 194	Seminar & Fieldwork I	3
HSER 248	Case Management	3
PSY 100	Survey of Psychology	3
SOC 100	Survey of General Sociology	3
ENG 100	Composition I	3
	MATH 100, MATH 103, MATH 112, MATH 115, or PHIL 110	3
	HSER/CHW Specialization Elective	3
	HSER/CHW Specialization Elective	3
HSER 294	Seminar & Fieldwork II	3
	HDFS 230 or PSY 240	3
HWST 107	Hawai'i: Center of the Pacific	3
	BUS/COM 130, COM 145, or SP 151	3
	POLS Elective or ENG 200	3
	HSER/CHW Specialization Elective	3
	Natural Science Elective	3-4
	Natural Science Elective	4
	Global Multicultural Perspective Elective	3
	Global Multicultural Perspective Elective	3

### Course Sequencing

Full-time students would take this sequence:

#### First Semester (Fall) (15 credits)

Course #	Title	Credits
	BUS/COM 130, COM 145, or SP 151	3
HSER 110	Introduction to Human Services	3
HSER 140	Individual Counseling	3
ENG 100	Composition I	3
	Global Multicultural Perspective Elective	3

#### Second Semester (Spring) (15 credits)

Course #	Title	Credits
SOC 100	Survey of General Sociology	3
HSER 248	Case Management	3
	HSER/CHW Specialization Elective	3
PSY 100	Survey of Psychology	3
	MATH 100, MATH 103, MATH 112, MATH 115, or PHIL 110	3

#### Third Semester (Fall) (16 credits)

Course #	Title	Credits
HSER 194	Seminar & Fieldwork I	3
	HSER/CHW Specialization Elective	3
	HDFS 230 or PSY 240	3
HWST 107	Hawai'i: Center of the Pacific	3
	Natural Science Elective	4

## Fourth Semester (Spring) (15-16 credits)

Course #	Title	Credits
HSER 294	Seminar & Fieldwork II	3
	HSER/CHW Specialization Elective	3
	Natural Science Elective	3-4
	POLS Elective or ENG 200	3
	Global Multicultural Perspective Elective	3

## Human Services (CA) (30 credits)

### Degree Type

Certificate of Achievement

## Requirements for Certificate of Achievement (CA) (30 credits)

Course #	Title	Credits
HSER 110	Introduction to Human Services	3
HSER 140	Individual Counseling	3
HSER 194	Seminar & Fieldwork I	3
HSER 248	Case Management	3
PSY 100	Survey of Psychology	3
SOC 100	Survey of General Sociology	3
ENG 100	Composition I	3
	MATH 100, MATH 103, MATH 112, MATH 115, or PHIL 110	3
	HSER/CHW Specialization Elective	3
	HSER/CHW Specialization Elective	3

## Human Services (CO) (9 credits)

### Degree Type

Certificate of Competence

## Requirements for Certificates of Competence (CO)

*Minimum C grade or better required in each course taken for CO.*

## Aging (9 credits)

Course #	Title	Credits
HSER 145	Working with Older Adults	3
	HSER 101 or HSER 248	3
	HSER 194 or HSER 294	3

## Case Management (9 credits)

Course #	Title	Credits
HSER 140	Individual Counseling	3
HSER 248	Case Management	3
	HSER 194 or HSER 294	3

## Dynamics of Family Violence (9 credits)

Course #	Title	Credits
HSER 140	Individual Counseling	3
HSER 245	Group Counseling	3
HSER 256	Dynamics of Family Violence & Sexual Assault	3

## Substance Abuse Counseling I (9 credits)

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.

Course #	Title	Credits
HSER 140	Individual Counseling	3
HSER 268	Survey of Substance Use Disorders	3
HSER 194	Seminar & Fieldwork I	3

## Substance Abuse Counseling II (9 credits)

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.

Course #	Title	Credits
HSER 245	Group Counseling	3
HSER 270	Substance Use Disorder Counseling	3
HSER 294	Seminar & Fieldwork II	3

## Youth Development Practitioner (9 credits)

Course #	Title	Credits
HSER 130	Introduction to Youth Practitioner	3
	HSER 140 or HSER 248	3
HSER 256	Dynamics of Family Violence & Sexual Assault	3

## Human Services Community Health Worker/Health Navigator I (CO) (15 credits)

### Degree Type

Certificate of Competence

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.

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.

Course #	Title	Credits
HSER 101	Community Health Worker Fundamentals	3
HSER 140	Individual Counseling	3
HSER 248	Case Management	3
	HSER 194 or HSER 294	3
CHW 135	Health Promotion/Disease Prevention	3

# Liberal Arts

UH Maui College offers several curricula based on 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.

## Learning Outcomes

1. Demonstrate an understanding of theories, practices, histories, and key issues of a field of study using essential terminology and concepts of the discipline.
2. Use theories, concepts, and practices of a field of study to analyze evidence, artifacts, and/or texts and produce interpretations, hypotheses, evaluations, or conclusions.
3. Apply theories and/or methods of a field of study to perform practical, scholarly, and/or creative tasks that respond to social, cultural, environmental, or economic issues.

## Liberal Arts (AA) (60 credits)

### Degree Type

Associate in 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.

## Foundations Requirements (12 credits)

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

Course #	Title	Credits
	Written Communications (FW)	3
	Global Multicultural Perspectives (FGA, FGB, FGC)	6
	Quantitative Reasoning (FQ)	3

## Diversification Requirements (19 credits)

Course #	Title	Credits
	Diversification Arts (DA), Diversification Humanities (DH), Diversification Literature (DL)	6
	Diversification Biological (DB)	3
	Diversification Physical (DP)	3
	Diversification Science Lab (DY)	1
	Diversification Social Science (DS)	6

## Electives (29 credits)

Course #	Title	Credits
	Electives	29

## Graduation Requirements

**Minimum credits applicable:** 60 college level credits, numbered 100-level or higher

**Minimum Grade Point Average (GPA):** 2.00

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

**Writing Intensive:** Two Courses

**Hawaii Emphasis:** One Course

**Oral Communication:** One Course

Note: See [Course section](#) of the catalog to view the courses that apply to the Foundations and Diversification requirements.

## Marine Naturalist

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)

#### Degree Type

Certificate of Competence

Course #	Title	Credits
OCN 101	Intro to Marine Option Program	1
OCN 191v	Field Experience in Marine Naturalist Training	1-3
OCN 201	Science of the Sea	3
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1

### Marine Naturalist II (CO) (9 credits)

#### Degree Type

Certificate of Competence

Course #	Title	Credits
BIOL 200	Coral Reefs	3
OCN 64	Hawaiian Marine Life Identification	3

Two credits from any of the following:

Course #	Title	Credits
OCN 191v	Field Experience in Marine Naturalist Training	1-3
OCN 201L	Science of the Sea Lab	1
OCN 293v	Ocean Internships & Research	1-3

### Marine Naturalist III (3 credits)

#### Degree Type

Certificate of Professional Development

Course #	Title	Credits
OCN 270	Communicating Ocean Sciences	3

# Natural Sciences

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, particularly within the UH System, where students may take advantage of transfer agreements with UH Manoa, UH Hilo, and UH West O'ahu. Students may concentrate in **biological, physical, engineering, or computer sciences**.

Students who plan to transfer should consult an academic advisor on the 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) requirements.

Contact the program coordinator, Dr. Elisabeth Dubuit, at 808-984-3706, or by email at edubuit@hawaii.edu for more information.

## Requirements for Certificate of Competence (CO)

*A minimum C grade or better is 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. Students will gain knowledge of general laboratory techniques, how to operate laboratory equipment for nutrient and microbiology analyses, collect, prepare, and analyze samples, and record, report, and interpret data. This program will focus on laboratory training related 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 a 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.*)

### Learning Outcomes

1. explain the natural and technological world using reflection and quantitative analysis including preparation of a plan to collect, process, and interpret data; evaluation of the plan, procedures, and findings; and communication of the conclusions;
2. explain scientific knowledge and understanding to different audiences for a range of purposes; and
3. apply scientific knowledge, skills, and understandings to problems and issues in daily life.

## Natural Science — Core (all concentrations) (27 credits)

### Degree Type

Associate in Science

## Core - Foundation & Diversification Requirements

Applies to all concentrations: Biological Science | Physical Science | Engineering | Information & Communication Technology

## Foundation Requirements

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ENG 100	Composition I	3
MATH 241	Calculus I	4
	Global Multicultural Perspectives (FGA, FGB, FGC)	6

## Diversification Requirements

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
	Arts, Humanities, Literatures (3 credits)	3
	Social Sciences (3 credits)	3
	Natural Sciences (8 credits)	8

## Natural Science – Biological Sciences Concentration (AS) (33 credits)

### Degree Type

Associate in Science

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
BIOL 171	General Biology I	3
BIOL 171L	General Biology I Lab	1
BIOL 172	General Biology II	3
BIOL 172L	General Biology II Lab	1
	PHYS 151 & PHYS 151L or PHYS 170 & PHYS 170L	4-5
	PHYS 152 & PHYS 152L or PHYS 272 & PHYS 272L	4



## Concentration Electives (17 credits)

17+ credits - to meet 60-credit minimum 100-level or higher coursework and other graduation requirements not yet satisfied.

Any course listed under the Diversification (DA, DH, DL, DS) designations can be taken as well.

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
AG 122	Soil Technology	3
AG 174	Insects & Their Control	3
AG 200	Principles of Horticulture	3
AG 200L	Principles of Horticulture Lab	1
AG 253	Hawaiian Food Plants: Traditional and Contemporary Production	3
AG 253L	Hawaiian Food Plants: Traditional and Contemporary Production Lab	1
AG 265	Horticulture of Hawaiian Plants	3
AG 265L	Horticulture of Hawaiian Plants Lab	1
ANTH 210	Archaeology	3
ANTH 210L	Archaeology Laboratory	1
ANTH 215	Physical Anthropology	3
AQUA 466	Fisheries Science	2
AQUA 466L	Fisheries Science Lab	1
ASTR 110	Survey of Astronomy	3
ASTR 110L	Introduction to Astronomy Laboratory	1
BIOC 141	Fundamentals of Biochemistry	3
BIOC 142	Elements of Biochemistry	3
BIOL 100	Human Biology	3
BIOL 105	Hawaiian Field Biology	3
BIOL 105L	Hawaiian Field Biology Lab	1
BIOL 124	Environment and Ecology	3
BIOL 124L	Environment and Ecology Lab	1
BIOL 151	Introduction to Genetics	3
BIOL 152L	Introduction to Biotechnology Lab	2
BIOL 200	Coral Reefs	3
BIOL 200L	Coral Reefs Lab	1
BIOL 282	Global Change	3
BIOL 331	Marine Mammal Biology	3
BIOL 331L	Marine Mammal Biology Lab	1
BIOL 424	Protected Species Management	2
BIOL 424L	Protected Species Management Lab	1
BIOL 101	Biology and Society	3
BIOL 101L	Biology and Society Lab	1
SCI 121	Introduction to Science: Biological Science	3
SCI 121L	Introduction to Science: Biological Science Lab	1
BIOL 102	General Botany	3
BIOL 102L	General Botany Lab	1
BOT 101	General Botany	3
BOT 101L	General Botany Lab	1
BIOL 103	Principles of Zoology	3
BIOL 103L	Principles of Zoology Lab	1
ZOOL 101	Principles of Zoology	3
ZOOL 101L	Principles of Zoology Lab	1
CHEM 272	Organic Chemistry I	3
CHEM 272L	Organic Chemistry I Lab	2
CHEM 273	Organic Chemistry II	3
CHEM 273L	Organic Chemistry II Lab	2

FSHN 185	Food Science and Human Nutrition	3
FSHN 285	The Science of Human Nutrition	3
GEO 101	The Natural Environment	3
GEO 101L	The Natural Environment Laboratory	1
GG 101	Introduction to Geology	3
GG 101L	Introduction to Geology Lab	1
GG 103	Geology of Hawaiian Islands	3
GIS/ICS 150	Introduction to GIS/GPS	4
GIS 180	GIS in Ecosystem Management	4
ICS 110	Introduction to Computer Programming	3
ICS 111	Intro to Computer Science I	4
ICS 173	Introduction to Data Science	3
MATH 103	College Algebra	3
MATH 115	Introduction to Statistics and Probability	3
MATH 135	Pre-Calculus: Elementary Functions	3
MATH 140X	Accelerated Pre-Calculus: Elementary functions, Trigonometry and Analytic Geometry	4
MATH 242	Calculus II	4
MICR 130	General Microbiology	3
MICR 140	General Microbiology Lab	2
OCN 201	Science of the Sea	3
OCN 201L	Science of the Sea Lab	1
PHRM 203	General Pharmacology	3
PHYL 141	Human Anatomy & Physiology I	3
PHYL 141L	Human Anatomy & Physiology I Lab	1
PHYL 142	Human Anatomy & Physiology II	3
PHYL 142L	Human Anatomy & Physiology II Lab	1
PHYS 170	General Physics I	4
PHYS 170L	General Physics I Lab	1
PHYS 272	General Physics II	3
PHYS 272L	General Physics II Lab	1
SCI 114	Introduction to Scientific Method and Laboratory	3
SCI 122	Intro to Science: Physical Science	3
SCI 122L	Intro to Science: Physical Science Lab	1
SCI 165L	Introduction to Science Laboratory Techniques	1
SCI 265L	Environmental Testing Lab	1
SCI 295v	STEM Research Experience	1-3
SSM 101	Sustainability in a Changing World	3
SSM 201	Sustainable Building Design	3
SSM 202	Sustainable Island Communities	3
SSM 275	Basic Energy Production	3
SSM 302	Environmental Health	3
SSM 375	Renewable Energy Conversions and Processes	3
SSM 384	Sustaining the Globalized Ocean	3
SSM 402	Water Resources Management	3
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1

### Course Sequencing

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

### First Semester (Fall) (15 credits)

Course #	Title	Credits
BIOL 171	General Biology I	3
BIOL 171L	General Biology I Lab	1
CHEM 161	General Chemistry I	3
CHEM 161L	General Chemistry I Lab	1
ENG 100	Composition I	3
MATH 241	Calculus I	4

### Second Semester (Spring) (14-15 credits)

Course #	Title	Credits
CHEM 162	General Chemistry II	3
CHEM 162L	General Chemistry II Lab	1
BIOL 172	General Biology II	3
BIOL 172L	General Biology II Lab	1
	Biological Science Concentration Elective	3-4
	Global Multicultural Perspective Elective	3

### Third Semester (Fall) (16-20 credits)

Course #	Title	Credits
	PHYS 151 & PHYS 151L or PHYS 170 & PHYS 170L	4-5
	Biological Science Concentration Elective	3-4
	Biological Science Concentration Elective	3-4
	Biological Science Concentration Elective	3-4
	DA/DH/DL Elective	3

### Fourth Semester (Spring) (16-18 credits)

Course #	Title	Credits
	PHYS 152 & PHYS 152L or PHYS 272 & PHYS 272L	4
	Global Multicultural Perspective Elective	3
	Biological Science Concentration Elective	3-4
	Biological Science Concentration Elective	3-4
	DS Elective	3

### Natural Science – Engineering Concentration (AS) (33 credits)

#### Degree Type

Associate in Science

Course #	Title	Credits
EE 160	Programming for Engineers	4
MATH 242	Calculus II	4
MATH 243	Calculus III	3
MATH 244	Calculus IV	3
PHYS 170	General Physics I	4
PHYS 170L	General Physics I Lab	1
PHYS 272	General Physics II	3
PHYS 272L	General Physics II Lab	1
EE 211	Basic Circuit Analysis I	4

## Concentration Electives (6 credits)

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

Any course listed under the Diversification (DA, DH, DL, DS) designations can be taken as well.

Course #	Title	Credits
AG 122	Soil Technology	3
AG 174	Insects & Their Control	3
AG 200	Principles of Horticulture	3
AG 200L	Principles of Horticulture Lab	1
AG 253	Hawaiian Food Plants: Traditional and Contemporary Production	3
AG 253L	Hawaiian Food Plants: Traditional and Contemporary Production Lab	1
AG 265	Horticulture of Hawaiian Plants	3
AG 265L	Horticulture of Hawaiian Plants Lab	1
ANTH 210	Archaeology	3
ANTH 210L	Archaeology Laboratory	1
ANTH 215	Physical Anthropology	3
AQUA 466	Fisheries Science	2
AQUA 466L	Fisheries Science Lab	1
ASTR 110	Survey of Astronomy	3
ASTR 110L	Introduction to Astronomy Laboratory	1
BIOC 141	Fundamentals of Biochemistry	3
BIOC 142	Elements of Biochemistry	3
BIOL 100	Human Biology	3
BIOL 105	Hawaiian Field Biology	3
BIOL 105L	Hawaiian Field Biology Lab	1
BIOL 124	Environment and Ecology	3
BIOL 124L	Environment and Ecology Lab	1
BIOL 151	Introduction to Genetics	3
BIOL 152L	Introduction to Biotechnology Lab	2
BIOL 171	General Biology I	3
BIOL 171L	General Biology I Lab	1
BIOL 172	General Biology II	3
BIOL 172L	General Biology II Lab	1
BIOL 200	Coral Reefs	3
BIOL 200L	Coral Reefs Lab	1
BIOL 282	Global Change	3
BIOL 331	Marine Mammal Biology	3
BIOL 331L	Marine Mammal Biology Lab	1
BIOL 424	Protected Species Management	2
BIOL 424L	Protected Species Management Lab	1
BIOL 101	Biology and Society	3
BIOL 101L	Biology and Society Lab	1
SCI 121	Introduction to Science: Biological Science	3
SCI 121L	Introduction to Science: Biological Science Lab	1
BIOL 102	General Botany	3
BIOL 102L	General Botany Lab	1
BOT 101	General Botany	3
BOT 101L	General Botany Lab	1
BIOL 103	Principles of Zoology	3
BIOL 103L	Principles of Zoology Lab	1
ZOOL 101	Principles of Zoology	3
ZOOL 101L	Principles of Zoology Lab	1

CHEM 272	Organic Chemistry I	3
CHEM 272L	Organic Chemistry I Lab	2
CHEM 273	Organic Chemistry II	3
CHEM 273L	Organic Chemistry II Lab	2
FSHN 185	Food Science and Human Nutrition	3
FSHN 285	The Science of Human Nutrition	3
GEO 101	The Natural Environment	3
GEO 101L	The Natural Environment Laboratory	1
GG 101	Introduction to Geology	3
GG 101L	Introduction to Geology Lab	1
GG 103	Geology of Hawaiian Islands	3
GIS/ICS 150	Introduction to GIS/GPS	4
GIS 180	GIS in Ecosystem Management	4
ICS 110	Introduction to Computer Programming	3
ICS 111	Intro to Computer Science I	4
ICS 173	Introduction to Data Science	3
MATH 103	College Algebra	3
MATH 115	Introduction to Statistics and Probability	3
MATH 135	Pre-Calculus: Elementary Functions	3
MATH 140X	Accelerated Pre-Calculus: Elementary functions, Trigonometry and Analytic Geometry	4
MICR 130	General Microbiology	3
MICR 140	General Microbiology Lab	2
OCN 201	Science of the Sea	3
OCN 201L	Science of the Sea Lab	1
PHRM 203	General Pharmacology	3
PHYL 141	Human Anatomy & Physiology I	3
PHYL 141L	Human Anatomy & Physiology I Lab	1
PHYL 142	Human Anatomy & Physiology II	3
PHYL 142L	Human Anatomy & Physiology II Lab	1
PHYS 151	College Physics I	3
PHYS 151L	College Physics I Lab	1
PHYS 152	College Physics II	3
PHYS 152L	College Physics II Lab	1
SCI 114	Introduction to Scientific Method and Laboratory	3
SCI 122	Intro to Science: Physical Science	3
SCI 122L	Intro to Science: Physical Science Lab	1
SCI 165L	Introduction to Science Laboratory Techniques	1
SCI 265L	Environmental Testing Lab	1
SCI 295v	STEM Research Experience	1-3
SSM 101	Sustainability in a Changing World	3
SSM 201	Sustainable Building Design	3
SSM 202	Sustainable Island Communities	3
SSM 275	Basic Energy Production	3
SSM 302	Environmental Health	3
SSM 375	Renewable Energy Conversions and Processes	3
SSM 384	Sustaining the Globalized Ocean	3
SSM 402	Water Resources Management	3
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1

### Course Sequencing

Engineering full-time students would take courses in this sequence

### First Semester (Fall) (14 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CHEM 161	General Chemistry I	3
CHEM 161L	General Chemistry I Lab	1
ENG 100	Composition I	3
MATH 241	Calculus I	4
	Global Multicultural Perspective Elective	3

### Second Semester (Spring) (15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
CHEM 162	General Chemistry II	3
CHEM 162L	General Chemistry II Lab	1
EE 160	Programming for Engineers	4
MATH 242	Calculus II	4
	DS Elective	3

### Third Semester (Fall) (14-15 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
PHYS 170	General Physics I	4
PHYS 170L	General Physics I Lab	1
	DA/DH/DL Elective	3
MATH 243	Calculus III	3
	Engineering Concentration Elective	3-4

### Fourth Semester (Spring) (17-18 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
PHYS 272	General Physics II	3
PHYS 272L	General Physics II Lab	1
EE 211	Basic Circuit Analysis I	4
	Engineering Concentration Elective	3-4
	Global Multicultural Perspective Elective	3
MATH 244	Calculus IV	3

### Natural Science - Information & Computer Sciences Concentration (AS) (33 credits)

#### Degree Type

Associate in Science

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
ICS 111	Intro to Computer Science I	4
ICS 141	Discrete Mathematics for Computer Science I	3
ICS 211	Introduction to Computer Science II	3
ICS 212	Program Structure	3
ICS 241	Discrete Mathematics for Computer Science II	3
	Biological Elective	3

## Concentration Electives (12 credits)

14 credits - to meet 60-credit minimum 100-level or higher coursework and other graduation requirements not yet satisfied.

Any course listed under the Diversification (DA, DH, DL, DS) designations can be taken as well.

Course #	Title	Credits
AG 122	Soil Technology	3
AG 174	Insects & Their Control	3
AG 200	Principles of Horticulture	3
AG 200L	Principles of Horticulture Lab	1
AG 265	Horticulture of Hawaiian Plants	3
AG 265L	Horticulture of Hawaiian Plants Lab	1
ANTH 210	Archaeology	3
ANTH 210L	Archaeology Laboratory	1
ANTH 215	Physical Anthropology	3
ASTR 110	Survey of Astronomy	3
ASTR 110L	Introduction to Astronomy Laboratory	1
BIOC 141	Fundamentals of Biochemistry	3
BIOC 142	Elements of Biochemistry	3
BIOL 100	Human Biology	3
BIOL 105	Hawaiian Field Biology	3
BIOL 105L	Hawaiian Field Biology Lab	1
BIOL 124	Environment and Ecology	3
BIOL 124L	Environment and Ecology Lab	1
BIOL 151	Introduction to Genetics	3
BIOL 152L	Introduction to Biotechnology Lab	2
BIOL 171	General Biology I	3
BIOL 171L	General Biology I Lab	1
BIOL 172	General Biology II	3
BIOL 172L	General Biology II Lab	1
BIOL 200	Coral Reefs	3
BIOL 200L	Coral Reefs Lab	1
BIOL 282	Global Change	3
BIOL 331	Marine Mammal Biology	3
BIOL 331L	Marine Mammal Biology Lab	1
BIOL 424	Protected Species Management	2
BIOL 424L	Protected Species Management Lab	1
BIOL 101	Biology and Society	3
BIOL 101L	Biology and Society Lab	1
SCI 121	Introduction to Science: Biological Science	3
SCI 121L	Introduction to Science: Biological Science Lab	1
BIOL 102	General Botany	3
BIOL 102L	General Botany Lab	1
BOT 101	General Botany	3
BOT 101L	General Botany Lab	1
BIOL 103	Principles of Zoology	3
BIOL 103L	Principles of Zoology Lab	1
ZOOL 101	Principles of Zoology	3
ZOOL 101L	Principles of Zoology Lab	1
CHEM 272	Organic Chemistry I	3
CHEM 272L	Organic Chemistry I Lab	2
CHEM 273	Organic Chemistry II	3
CHEM 273L	Organic Chemistry II Lab	2

ETRO 140	Fundamentals of Computer Networking	4
FSHN 185	Food Science and Human Nutrition	3
FSHN 285	The Science of Human Nutrition	3
GEO 101	The Natural Environment	3
GEO 101L	The Natural Environment Laboratory	1
GG 101	Introduction to Geology	3
GG 101L	Introduction to Geology Lab	1
GG 103	Geology of Hawaiian Islands	3
GIS/ICS 150	Introduction to GIS/GPS	4
GIS 180	GIS in Ecosystem Management	4
ICS 101	Digital Tools for the Information World	3
ICS 110	Introduction to Computer Programming	3
ICS 169	Introduction to Information Security	3
ICS 171	Introduction to Computer Security	3
ICS 173	Introduction to Data Science	3
ICS 184	Introduction to Networking	3
ICS 281	Ethical Hacking	3
ICS 282	Computer Forensics	3
MATH 103	College Algebra	3
MATH 115	Introduction to Statistics and Probability	3
MATH 135	Pre-Calculus: Elementary Functions	3
MATH 140X	Accelerated Pre-Calculus: Elementary functions, Trigonometry and Analytic Geometry	4
MATH 242	Calculus II	4
MICR 130	General Microbiology	3
MICR 140	General Microbiology Lab	2
OCN 201	Science of the Sea	3
OCN 201L	Science of the Sea Lab	1
PHRM 203	General Pharmacology	3
PHYL 141	Human Anatomy & Physiology I	3
PHYL 141L	Human Anatomy & Physiology I Lab	1
PHYL 142	Human Anatomy & Physiology II	3
PHYL 142L	Human Anatomy & Physiology II Lab	1
PHYS 151	College Physics I	3
PHYS 151L	College Physics I Lab	1
PHYS 152	College Physics II	3
PHYS 152L	College Physics II Lab	1
PHYS 170	General Physics I	4
PHYS 170L	General Physics I Lab	1
PHYS 272	General Physics II	3
PHYS 272L	General Physics II Lab	1
SCI 114	Introduction to Scientific Method and Laboratory	3
SCI 122	Intro to Science: Physical Science	3
SCI 122L	Intro to Science: Physical Science Lab	1
SCI 165L	Introduction to Science Laboratory Techniques	1
SCI 265L	Environmental Testing Lab	1
SCI 295v	STEM Research Experience	1-3
SSM 101	Sustainability in a Changing World	3
SSM 201	Sustainable Building Design	3
SSM 202	Sustainable Island Communities	3
SSM 275	Basic Energy Production	3
SSM 302	Environmental Health	3
SSM 375	Renewable Energy Conversions and Processes	3
SSM 384	Sustaining the Globalized Ocean	3



SSM 402	Water Resources Management	3
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1

### Course Sequencing

Information & Computer Sciences full-time students would take courses in this sequence

### First Semester (Fall) (15 credits)

Course #	Title	Credits
CHEM 161	General Chemistry I	3
CHEM 161L	General Chemistry I Lab	1
ICS 111	Intro to Computer Science I	4
ENG 100	Composition I	3
MATH 241	Calculus I	4

### Second Semester (Spring) (13-14 credits)

Course #	Title	Credits
CHEM 162	General Chemistry II	3
CHEM 162L	General Chemistry II Lab	1
ICS 211	Introduction to Computer Science II	3
	Information and Computer Sciences Concentration Elective with Lab	3-4
	Global Multicultural Perspective Elective	3

### Third Semester (Fall) (15-16 credits)

Course #	Title	Credits
ICS 141	Discrete Mathematics for Computer Science I	3
ICS 212	Program Structure	3
	Global Multicultural Perspective Elective	3
	Information and Computer Science Concentration Elective	3-4
	DS Elective	3

### Fourth Semester (Spring) (15-18 credits)

Course #	Title	Credits
ICS 241	Discrete Mathematics for Computer Science II	3
	DA/DH/DL Elective	3
	Biological Science Concentration Elective	3-4
	Information and Computer Science Concentration Elective	3-4
	Information and Computer Science Concentration Elective	3-4

### Natural Science — Physical Sciences Concentration (AS) (33 credits)

#### Degree Type

Associate in Science

Course #	Title	Credits
MATH 242	Calculus II	4
PHYS 170	General Physics I	4
PHYS 170L	General Physics I Lab	1
PHYS 272	General Physics II	3
PHYS 272L	General Physics II Lab	1
	Biological Elective	3

## Concentration Electives (17 credits)

17+ credits - to meet 60-credit minimum 100-level or higher coursework and other graduation requirements not yet satisfied.

Any course listed under the Diversification (DA, DH, DL, DS) designations can be taken as well.

Course #	Title	Credits
AG 122	Soil Technology	3
AG 174	Insects & Their Control	3
AG 200	Principles of Horticulture	3
AG 200L	Principles of Horticulture Lab	1
AG 253	Hawaiian Food Plants: Traditional and Contemporary Production	3
AG 253L	Hawaiian Food Plants: Traditional and Contemporary Production Lab	1
AG 265	Horticulture of Hawaiian Plants	3
AG 265L	Horticulture of Hawaiian Plants Lab	1
ANTH 210	Archaeology	3
ANTH 210L	Archaeology Laboratory	1
ANTH 215	Physical Anthropology	3
AQUA 466	Fisheries Science	2
AQUA 466L	Fisheries Science Lab	1
ASTR 110	Survey of Astronomy	3
ASTR 110L	Introduction to Astronomy Laboratory	1
BIOC 141	Fundamentals of Biochemistry	3
BIOC 142	Elements of Biochemistry	3
BIOL 100	Human Biology	3
BIOL 105	Hawaiian Field Biology	3
BIOL 105L	Hawaiian Field Biology Lab	1
BIOL 124	Environment and Ecology	3
BIOL 124L	Environment and Ecology Lab	1
BIOL 151	Introduction to Genetics	3
BIOL 152L	Introduction to Biotechnology Lab	2
BIOL 171	General Biology I	3
BIOL 171L	General Biology I Lab	1
BIOL 172	General Biology II	3
BIOL 172L	General Biology II Lab	1
BIOL 200	Coral Reefs	3
BIOL 282	Global Change	3
BIOL 331	Marine Mammal Biology	3
BIOL 331L	Marine Mammal Biology Lab	1
BIOL 424	Protected Species Management	2
BIOL 424L	Protected Species Management Lab	1
BIOL 101	Biology and Society	3
BIOL 101L	Biology and Society Lab	1
SCI 121	Introduction to Science: Biological Science	3
SCI 121L	Introduction to Science: Biological Science Lab	1
BIOL 102	General Botany	3
BIOL 102L	General Botany Lab	1
BOT 101	General Botany	3
BOT 101L	General Botany Lab	1
BIOL 103	Principles of Zoology	3
BIOL 103L	Principles of Zoology Lab	1
ZOOL 101	Principles of Zoology	3
CHEM 272	Organic Chemistry I	3
CHEM 272L	Organic Chemistry I Lab	2

CHEM 273	Organic Chemistry II	3
CHEM 273L	Organic Chemistry II Lab	2
FSHN 185	Food Science and Human Nutrition	3
FSHN 285	The Science of Human Nutrition	3
GEO 101	The Natural Environment	3
GEO 101L	The Natural Environment Laboratory	1
GG 101	Introduction to Geology	3
GG 101L	Introduction to Geology Lab	1
GG 103	Geology of Hawaiian Islands	3
GIS/ICS 150	Introduction to GIS/GPS	4
GIS 180	GIS in Ecosystem Management	4
ICS 110	Introduction to Computer Programming	3
ICS 111	Intro to Computer Science I	4
ICS 173	Introduction to Data Science	3
MATH 103	College Algebra	3
MATH 115	Introduction to Statistics and Probability	3
MATH 135	Pre-Calculus: Elementary Functions	3
MATH 140X	Accelerated Pre-Calculus: Elementary functions, Trigonometry and Analytic Geometry	4
MICR 130	General Microbiology	3
MICR 140	General Microbiology Lab	2
OCN 201	Science of the Sea	3
OCN 201L	Science of the Sea Lab	1
PHRM 203	General Pharmacology	3
PHYL 141	Human Anatomy & Physiology I	3
PHYL 141L	Human Anatomy & Physiology I Lab	1
PHYL 142	Human Anatomy & Physiology II	3
PHYL 142L	Human Anatomy & Physiology II Lab	1
PHYS 151	College Physics I	3
PHYS 151L	College Physics I Lab	1
PHYS 152	College Physics II	3
PHYS 152L	College Physics II Lab	1
SCI 114	Introduction to Scientific Method and Laboratory	3
SCI 122	Intro to Science: Physical Science	3
SCI 122L	Intro to Science: Physical Science Lab	1
SCI 165L	Introduction to Science Laboratory Techniques	1
SCI 265L	Environmental Testing Lab	1
SCI 295v	STEM Research Experience	1-3
SSM 101	Sustainability in a Changing World	3
SSM 201	Sustainable Building Design	3
SSM 202	Sustainable Island Communities	3
SSM 275	Basic Energy Production	3
SSM 302	Environmental Health	3
SSM 375	Renewable Energy Conversions and Processes	3
SSM 384	Sustaining the Globalized Ocean	3
SSM 402	Water Resources Management	3
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1

### Course Sequencing

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

### First Semester (Fall) (14-15 credits)

Course #	Title	Credits
CHEM 161	General Chemistry I	3
CHEM 161L	General Chemistry I Lab	1
ENG 100	Composition I	3
MATH 241	Calculus I	4
	Physical Science Concentration Elective	3-4

### Second Semester (Spring) (14-15 credits)

Course #	Title	Credits
CHEM 162	General Chemistry II	3
CHEM 162L	General Chemistry II Lab	1
MATH 242	Calculus II	4
	Physical Science Concentration Elective	3-4
	Global Multicultural Perspective Elective	3

### Third Semester (Fall) (17-20 credits)

Course #	Title	Credits
PHYS 170	General Physics I	4
PHYS 170L	General Physics I Lab	1
	Physical Science Concentration Elective	3-4
	Biological Science Concentration Elective	3-4
	Physical Science Concentration Elective	3-4
	DA/DH/DL Elective	3

### Fourth Semester (Spring) (16-18 credits)

Course #	Title	Credits
PHYS 272	General Physics II	3
PHYS 272L	General Physics II Lab	1
	Global Multicultural Perspective Elective	3
	Physical Science Concentration Elective	3-4
	Physical Science Concentration Elective	3-4
	DS Elective	3

## Nursing

### Nursing Career Ladder

#### UH Maui College Degree Offerings:

- 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

Healthcare students are required to complete University prescribed academic requirements that involve clinical practice in a University affiliated healthcare 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 for satisfactorily completing affiliated healthcare facility background checks and drug testing

requirements in accordance with procedures and timelines as prescribed by the affiliated healthcare 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 more information, students are encouraged to schedule an academic advising session by calling (808) 984-3306. **For the most current information about UHMC's Nursing program admission and curriculum, visit the UHMC website at: <http://maui.hawaii.edu/programs/nursing/>**

### Registered Nurse (RN) to Bachelor of Science (BSN)

The UHMC Associate in Science Nursing (ASN) Program is part of the Hawaii Statewide Nursing Consortium (HSNC) that provides a transfer to the Bachelor of Science in Nursing (BSN) pathway at UH Manoa (UHM). 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 for the RN-BSN program. RN to BSN courses is offered on the UHMC campus.

## 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 <http://maui.hawaii.edu/programs/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](#), [MATH 103](#), or [MATH 115\(3\)](#); [HDFS 230](#) or [PSY 240\(3\)](#); Humanities elective(3); [MICR 130\(3\)](#); and [PHYL 141/PHYL 141L\(3,1\)](#) and [PHYL 142/PHYL 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/](http://www.maui.hawaii.edu/nursing/) for necessary details.

PN Pathway Only: Students who complete the PN Pathway have the option 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 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, [PHYL 141](#) & [PHYL 141L](#), [PHYL 142](#) & [PHYL 142L](#) (formerly [ZOO 141 \(4cr\)](#) and [ZOO 142 \(4cr\)](#) and [MICR 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 Department, at 808-984-3250, or by email at [ahoffice@hawaii.edu](mailto:ahoffice@hawaii.edu) for information.

*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](mailto:info@acenursing.org), online: <https://www.acenursing.org/>*

### Learning Outcomes

1. Demonstrate professional actions based on core nursing values, professional standards of practice, and the law.
2. Develop insight through reflective practice, self-analysis, and self-care.
3. Engage in ongoing self-directed learning and provides care based on evidence supported by research
4. Demonstrate leadership in nursing and health care.
5. Collaborate as part of a healthcare team.
6. Practice within, utilize and contribute to the broader health care system.
7. Practice client-centered care.
8. Communicate Effectively.
9. Demonstrate clinical judgment/critical thinking in the delivery of care to clients while maintaining safety.

## Nursing (AS) (73 credits)

### Degree Type

Associate in Science

### Course Sequencing

#### General Education (G.E.) Requirements

*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) (10 credits)

*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, MATH 103, or another Symbolic Reasoning course.*

Course #	Title	Credits
PHYL 141	Human Anatomy & Physiology I	3
PHYL 141L	Human Anatomy & Physiology I Lab	1
ENG 100	Composition I	3
	MATH 100, MATH 103, or MATH 115	3

## Semester (Spring) (13 credits)

*[PSY 240](#) may be substituted for [HDFS 230](#).*

Course #	Title	Credits
HDFS 230	Human Development	3
PHYL 142	Human Anatomy & Physiology II	3
PHYL 142L	Human Anatomy & Physiology II Lab	1
MICR 130	General Microbiology	3
	Arts, Humanities, Lit - Humanities (DA/DH/DL for BSN)	3

## Associate in Science (AS) Degree

### First Semester (Fall) (13 credits)

Course #	Title	Credits
NURS 210T	Health Promotion Across the Life Span	3
NURS 210C	Health Promotion Across the Life Span Clinical	3
NURS 210L	Health Promotion Across the Life Span	3
NURS 211	Professionalism in Nursing I	1
NURS 212	Pathophysiology	3

### Second Semester (Spring) (13 credits)

Course #	Title	Credits
NURS 220T	Health & Illness I	4
NURS 220L	Health & Illness I Lab	3
NURS 220C	Health & Illness I Clinical	3
PHRM 203	General Pharmacology	3

### Third Semester (Summer) (4 credits)

NURS 230T, 230L, and 230C are required for CA.

CA graduates take NCLEX-PN for licensure.

Course #	Title	Credits
NURS 230T	Health & Illness II: Family Health	1
NURS 230L	Clinical Immersion I Lab	1
NURS 230C	Clinical Immersion I Clinical	2

### Fourth Semester (10 credits)

Course #	Title	Credits
NURS 320T	Health & Illness II: Family Health	4
NURS 320L	Health & Illness II: Family Health Lab	3
NURS 320C	Health & Illness II: Family Health Clinical	3

### Fifth Semester (10 credits)

AS graduates take NCLEX-RN for licensure.

Course #	Title	Credits
NURS 360T	Health & Illness III	3
NURS 360L	Health & Illness III Lab	3
NURS 360C	Health & Illness III Clinical	3
NURS 362	Professionalism in Nursing II	1

### Practical Nursing (CA) (45 credits)

#### Degree Type

Certificate of Achievement

#### Course Sequencing

General Education (G.E.) Requirements

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) (15-16 credits)

*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, MATH 103, or another Symbolic Reasoning course.*

Course #	Title	Credits
	ENG 22 or ENG 100	3
	MATH 75X or MATH 100	3-4
BIOL 100	Human Biology	3
PHRM 203	General Pharmacology	3
PSY 100	Survey of Psychology	3

## Certificate of Achievement (CA) Degree

## First Semester (Spring) (12 credits)

Course #	Title	Credits
NURS 110T	Nursing Fundamentals Theory	4
NURS 110L	Nursing Fundamentals Lab	3
NURS 110C	Nursing Fundamentals Clinical	3
NURS 111	Introduction to Professional Nursing	2

## Second Semester (Summer) (6 credits)

Course #	Title	Credits
NURS 115T	Maternal Newborn and Child Development Theory	2
NURS 115L	Maternal Newborn and Child Development Lab	2
NURS 115C	Maternal Newborn and Child Development	2

## Third Semester (Fall) (12 credits)

*CA graduates take NCLEX-PN for licensure.*

Course #	Title	Credits
NURS 120T	Integration of Nursing Practice Theory	3
NURS 120L	Integration of Nursing Practice Lab	2
NURS 120C	Integration of Nursing Practice Clinical	4
NURS 121T	Basic Principles of Crisis Management Theory	1
NURS 121L	Basic Principles of Crisis Management Lab	2

## Nursing Career Ladder - Nursing Assistant (CO) (6 credits)

### Degree Type

Certificate of Competence

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 at (808) 984-3250, or by email at [ahoffice@hawaii.edu](mailto:ahoffice@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.

*NURS 100 takes one semester; there is no selection process.*

*Prerequisite: ENG 19 with grade C or better or placement at least ENG 22.*

Course #	Title	Credits
NURS 100T	Nursing Assistant Theory	4
NURS 100L	Nursing Assistant Lab	1
NURS 100C	Nursing Assistant Clinical	1

## Nursing Career Ladder - Pharmacy Technician (CO) (23 credits)

### Degree Type

Certificate of Competence

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 at (808) 984-3250, or by email at [ahoffice@hawaii.edu](mailto:ahoffice@hawaii.edu) for information.

## Pharmacy Technician (CO)

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.

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

## First Semester (14 credits)

Course #	Title	Credits
BIOL 100	Human Biology	3
HLTH 125	Survey of Medical Terminology	1
	ICS 101 or BUSN 150	3
MATH 75X	Introduction to Mathematical Reasoning	4
ENG 22	Intro to Composition	3

## Second Semester (7 credits)

Course #	Title	Credits
PHRM 106	Introduction to Pharmacy Technology	3
PHRM 107	Pharmacology and Treatment of Diseases	3
PHRM 109	Pharmacology Calculations	1

## Third Semester (2 credits)

Course #	Title	Credits
PHRM 192v	Work Practicum	2

# Academic Subject Certificates

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## 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)

#### Degree Type

Academic Subject Certificate

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 (808) 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)

Course #	Title	Credits
HAW 101	Elementary Hawaiian I	4
HAW 102	Elementary Hawaiian II	4
HAW 201	Intermediate Hawaiian I	4
HWST/MUS 176	History and Development of Hawaiian Music	3
MUS 114H	Hawaiian Chorus	2
MUS 132	Hawaiian Music Performance 1	2
MUS 132	Hawaiian Music Performance 1	2
MUS 295	Hawaiian Music Capstone	2

## Elective Courses (9 credits)

*MUS 107 is recommended for students pursuing the AA in Liberal Arts and in Hawaiian Studies.*

*MUS 121\* elementary level instrument courses may only be counted toward the certificate if they are a student's secondary instrument, i.e., not their primary instrument.*

*Only one of the three HWST 205\* alphas may be counted toward the certificate.*

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

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
HAW 104	Hawai'i: Language Through Hula	3
HAW 202	Intermediate Hawaiian II	4
HWST 107	Hawai'i: Center of the Pacific	3
HWST 205	Hawaiian Music in Action A Mele 'Āina E Mele Pili Kanaka I Other	2
MUS 107	Music in World Cultures	3
MUS 121C	Piano 1	2
MUS 121D	Guitar 1	2
MUS 121F	Slack Key Guitar 1	2
MUS 121G	Hawaiian Steel Guitar 1	2
MUS 121Z	'Ukulele 1	2
MUS 122B	Voice 2	2
MUS 122C	Piano 2	2
MUS 122D	Guitar 2	2
MUS 180	Basic Theory and Aural Skills	2
MUS 271	Intro to Music Technology	3
MUS 272	Digital Recording Techniques	3
MUS 273	Applied Recording and Performance	3

## Hawaiian Studies (ASC) (27 credits)

### **Degree Type**

Academic Subject Certificate

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)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
BOT 105/HWST 211	Ethnobotany	3
HAW 202	Intermediate Hawaiian II	4
HWST 107	Hawai'i: Center of the Pacific	3

## Elective Courses (17 credits)

Two 200-level courses are required. Refer to the list below or any HAW or HWST course at 100 or 200 level.

Course #	Title	Credits
HAW 101	Elementary Hawaiian I	4
HAW 102	Elementary Hawaiian II	4
HAW 104	Hawai'i: Language Through Hula	3
HAW 201	Intermediate Hawaiian I	4
HAW 221	Hawaiian Conversation	3
HAW 261	Hawaiian Literature in Translation	3
HWST 100B	Intro to Hawaiian Culture: Communication-Basic Language and Phrases	1
HWST 100C	Intro to Hawaiian Culture: Worldwide-Values, Folklore, and Cultural Practices	1
HWST 100D	Intro to Hawaiian Culture: Landscape-Historical Events, Physical Features, and Unique Flora & Fauna of Maui and Hawai'i	1
HWST 111	The Hawaiian 'Ohana	3
HWST 205	Hawaiian Music in Action A Mele 'Āina E Mele Pili Kanaka I Other	2
HWST 207	Mālama Ahupua'a: Resource Management	3
HWST 213	Hawaiian Ethnozoology	3
HWST 222	Ma'awe: Hawaiian Fiber Arts	3
HWST 231	Native Perspectives on Hawaiian Culture	3
HWST 262	Pana Maui: Maui's Sacred Hawaiian Places	3
HWST 270	Hawaiian Mythology	3
HWST 286	Kaho'olawe: Aloha 'Āina	3
HWST 291	Modern Issues in Hawai'i	3
PACS 108	Pacific Worlds: Introduction to Pacific Island Studies	3

## Marine Option Program (ASC) (12 credits)

### Degree Type

Academic Subject Certificate

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 (808) 984-3203 or e-mail [mauimop@hawaii.edu](mailto:mauimop@hawaii.edu)

## Marine Option Core (4 credits)

Course #	Title	Credits
	OCN 101 and OCN 201 or ZOOL 200 and ZOOL 200L	4

## Project (2 credits)

Minimum 2 credits from:

Course #	Title	Credits
OCN 191v	Field Experience in Marine Naturalist Training	1-3
OCN 293v	Ocean Internships & Research	1-3

## Additional Credits (6 credits)

*If not taken for marine survey.*

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
BIOL 105	Hawaiian Field Biology	3
BIOL 200	Coral Reefs	3
BIOL 200L	Coral Reefs Lab	1
OCN 140	Open Water SCUBA Certification	2
OCN 201	Science of the Sea	3
OCN 201L	Science of the Sea Lab	1
OCN 270	Communicating Ocean Sciences	3
ZOOL 200	Marine Biology	3
ZOOL 200L	Marine Biology Lab	1

## Music Studies (ASC) (23 credits)

### **Degree Type**

Academic Subject Certificate

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 (808) 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 (9 credits)

<b>Course #</b>	<b>Title</b>	<b>Credits</b>
MUS 107	Music in World Cultures	3
	HWST/MUS 176 or MUS 167	3
MUS 273	Applied Recording and Performance	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.

Course #	Title	Credits
MUS 114	College Chorus	2
MUS 114H	Hawaiian Chorus	2
MUS 121B	Voice 1	2
MUS 121C	Piano 1	2
MUS 121D	Guitar 1	2
MUS 121G	Hawaiian Steel Guitar 1	2
MUS 121Z	'Ukulele 1	2
MUS 122B	Voice 2	2
MUS 122C	Piano 2	2
MUS 122D	Guitar 2	2
MUS 122G	Hawaiian Steel Guitar 2	2
MUS 122Z	'Ukulele 2	2
MUS 132	Hawaiian Music Performance 1	2
MUS 133	Hawaiian Music Performance 2	2
MUS 221C	Piano 3	2

## Elective Courses (8 credits)

Any course listed in "Music Core Courses" or "Music Performance Courses" that is taken excess of the 6 credits needed to fulfill that requirement may be counted as an elective.

Course #	Title	Credits
MUS 108	Music Fundamentals	3
MUS 253	Elementary Music in Action	3
MUS 271	Intro to Music Technology	3
MUS 272	Digital Recording Techniques	3
HWST 205	Hawaiian Music in Action A Mele 'Āina E Mele Pili Kanaka I Other	2
	MUS 190V	1-3
	MUS 290V	1-3

## Visual Arts (ASC) (18 credits)

### Degree Type

Academic Subject Certificate

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 (808) 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)

Course #	Title	Credits
	ART 101 or ART 270	3
ART 113	Introduction to Drawing	3
	ART 115 or ART 221/ICS 214	3

*ART 101, ART 115, and ART 221 can only be taken if not taken as core requirement.*

## Elective Courses (6 credits)

At least two courses from this list (6)

Course #	Title	Credits
ART 101	Intro to Visual Arts	3
ART 104	Intro to Printmaking	3
ART 105	Intro to Ceramics	3
ART 107	Introduction to Photography	3
ART 107D	Introduction to Digital Photography	3
ART 115	Introduction to 2D Design	3
ART 123B	Introduction to Water Color Painting	1
ART 123C	Introduction to Oil Painting	1
ART 123D	Introduction to Acrylic Painting	1

*ART 270 can only be taken if not taken as core requirement.*

Choose at least one course from this list (3)

Course #	Title	Credits
ART 270	History of Western Art	3
ART 223	Intermediate Painting	3
ART 243	Intermediate Ceramics: Hand Building	3
ART 244	Intermediate Ceramics: Wheel Throwing	3
ART 263	Advanced Ceramics: Sculpture	3
ART 264	Advanced Ceramics: Vessels	3

## 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 Counselor, Moana Kaho'ohanohano, at 808-984-3495 or by email at [jolynnm@hawaii.edu](mailto:jolynnm@hawaii.edu) for more information.

### Learning Outcomes

1. Demonstrate satisfactory proficiency in fundamentals of constructing a garment including terminology, tools and supplies; pattern identification; taking and calculating measurements; pattern alteration, layout and cutting; sewing construction and garment fitting.
2. Demonstrate satisfactory understanding of design concepts and proficiency in conveying design ideas onto paper including identifying and sketching design details accurately and in proportion to the figure or object.

3. Demonstrate satisfactory proficiency in principles of pattern making, including terminology, use of tools, and process of pattern development.
4. Demonstrate satisfactory proficiency in terminology, principles and skill sets relevant to special topic courses.
5. Demonstrate satisfactory proficiency in the safe operation of sewing machines and equipment.
6. Demonstrate satisfactory understanding of textile characteristics and end use.
7. Demonstrate satisfactory understanding of principles of starting a small business.

## Fashion Technology (ASC) (33 credits)

### Degree Type

Academic Subject Certificate

The ASC in Fashion Technology encourages students to explore entrepreneurship by acquiring skills in sewing methodology and pattern development of apparel. Students who plan to pursue a baccalaureate degree in fashion should consult a counselor or academic advisor. Call the Fashion Technology Program at 808-984-3292 for more info.

- GPA of 2.0 or better is required for all courses applied to the certificate.

### Completion Requirements

1. Completion of 33 credits in required Fashion Technology core courses and elective courses.
2. 190V courses can be repeated if course title is different.
3. Cross-listed courses may be taken in either department.
4. AA degree requires an additional 30 credits (100-level or higher) minimum.

## Required Courses (21 credits)

Course #	Title	Credits
FT 113	Clothing Construction I	3
FT 115	Clothing Construction II	3
FT 215	Flat Pattern Making I	3
FT 217	Flat Pattern Making II	3
FT 130	Ready-To-Wear Clothing Production	3
FT 221	Textiles I	3
FT 240	Sewing Knit Fabrics	3

## Elective Courses (12 credits)

The student selects 4 courses of the 8 course options:

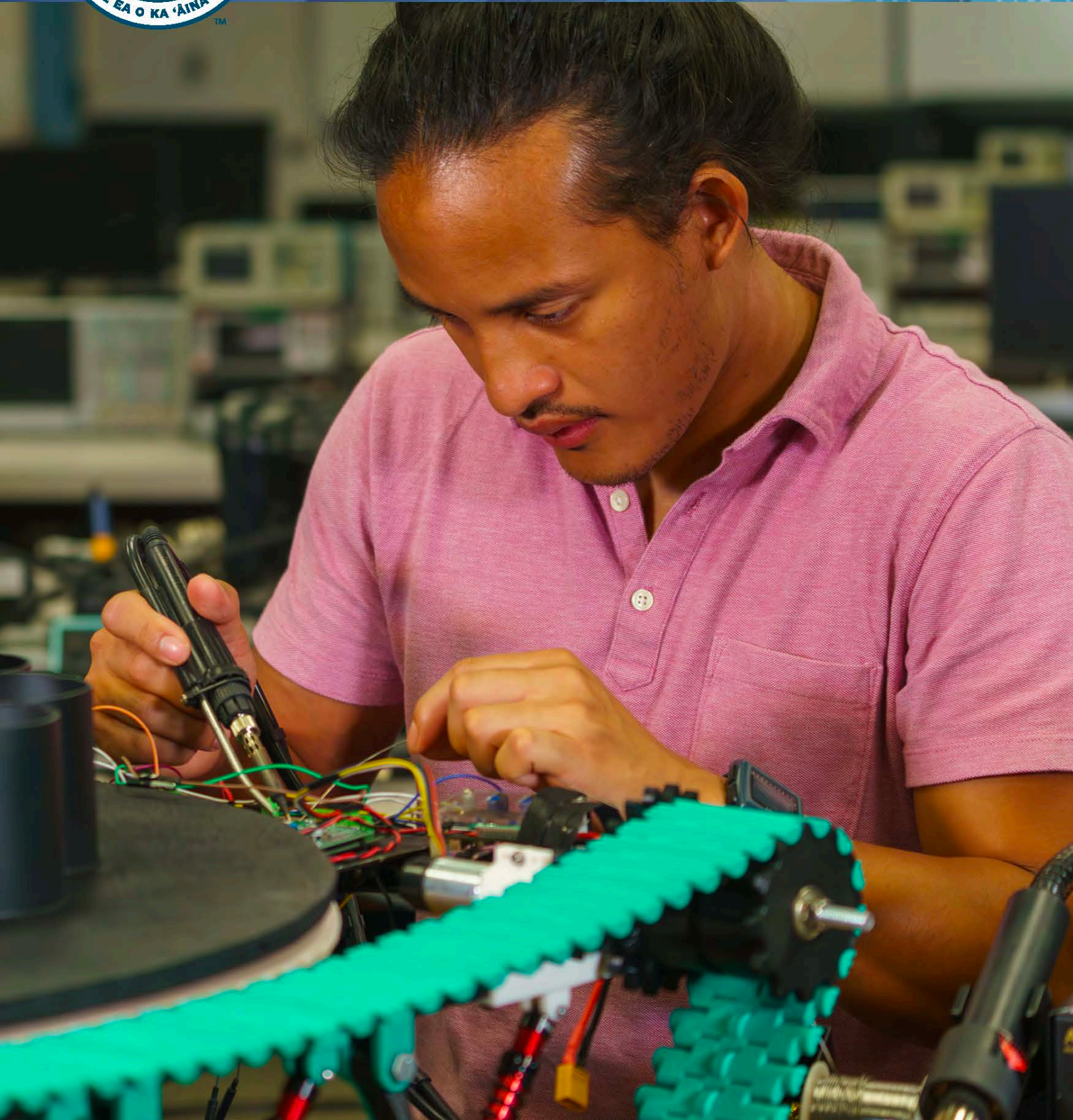
Course #	Title	Credits
FT 216	Fashion Illustration	3
FT 190v	Special Topics in Fashion Technology	3
FT 237	Pattern Grading	3
ART 104	Intro to Printmaking	3
CM 123	Photoshop and Illustrator	3
BUS 120	Principles of Business	3
BUS 125	Starting a Business	3
BOT 105/HWST 211	Ethnobotany	3





# Course Descriptions

University of Hawai'i Maui College General Catalog



# Course Descriptions

## Accounting

### Learning Outcomes

1. Demonstrate satisfactory proficiency in the basic fundamental principles of financial and managerial accounting following generally accepted accounting principles with special emphasis on the elements of the accounting cycle; the rules of debit and credit, journalizing and posting, trial balances, adjustments, worksheets, financial statements, and the closing process.
2. Demonstrate satisfactory proficiency in the basic principles procedures, terminology, and application of income and payroll tax laws.
3. Demonstrate satisfactory proficiency in hands-on accounting skills for maintaining accounting records using commercial accounting software, and the use of spreadsheets to solve accounting problems.

### **ACC 124 : Principles of Accounting I**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

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.

### **ACC 125 : Principles of Accounting II**

Continues the study of financial accounting procedures. Areas include: long-term assets, long-term liabilities, accounting for corporations and/or partnerships.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ACC 124 with grade C or better, or consent.

### **ACC 132 : Payroll & Hawai'i General Excise Tax**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ACC 124 or ACC 201 (or concurrent), or consent.

**Prerequisite or Corequisite**

ACC 124 or ACC 201 (or concurrent), or consent.

### **ACC 134 : Individual Income Tax Preparation**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

### **ACC 137 : Business Income Tax Preparation**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ACC 134 with grade C or better, or consent.

### **ACC 193v**

Applies skills to the workplace in an occupation within the student's area of interest. See [Special Curricula - Cooperative Education](#) for more information.

**ACC 201 : Introduction to Financial Accounting**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

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.

**ACC 202 : Introduction to Managerial Accounting**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ACC 125 or ACC 201, or consent.

**ACC 252 : Using QuickBooks® in Accounting**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

Prereq or coreq: ACC 125/201, and BUSN 150 or ICS 101, both with C or better or consent.

**Prerequisite or Corequisite**

ACC 125/201, and BUSN 150 or ICS 101, both with C or better, or consent.

**ACC 255 : Using Excel in Accounting**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ACC 202 (or concurrent) and either BUSN 150 or ICS 101, both with grade C or better, or consent.

**ACC 295 : Accounting Capstone**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ACC 132, 134, and 202, all with grade C or better, and ACC 255 (or concurrent), or consent.

**ACC 300 : Intermediate Financial Accounting I**

Emphasizes the 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ACC 202, or consent.

# Administration of Justice

**Learning Outcomes**

1. Define and describe how to keep self and others safe in the specific context of a professional work assignment.
2. Write clear and accurate reports.
3. Assess and respond appropriately to potential conflict situations.
4. Demonstrate the maintenance of physical and mental fitness, utilize stress management techniques and maintain a drug-free lifestyle.
5. Use critical observation skills and preserve a chain of evidence.
6. Communicate with a diverse population in a culturally sensitive manner, both verbal and non-verbal.
7. Perform independently and inter-dependently to accomplish shared professional outcomes.
8. Design career plans/options in the Administration of Justice profession and develop strategies (pathways) to progress in professional development.
9. Apply within the legal/ethnic parameters of the justice profession knowledge of laws, rules of evidence, confidentiality.
10. Demonstrate ability to interact with the public and co-workers in ways that effectively support “justice for all.”

**AJ 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**AJ 103 : Criminal Investigation**

Introduces initial investigatory steps relating to crime scenes. Acquaints student with specific offenses and methods of obtaining information.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

AJ 101, or consent.

**AJ 104 : Criminalistics**

Emphasizes identification and reproduction of physical evidence. Studies specialized scientific methods and their relationship to court procedures.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

AJ 103, or consent.

**AJ 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**AJ 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**AJ 200 : Principles of the Hawai'i Justice System**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 210 : Juvenile Justice**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

AJ 101, and ENG 22 with grade C or better or placement at ENG 100, or consent.

**AJ 221 : Criminal Law**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 223 : Laws of Arrest, Search, Seizure**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**AJ 226 : Economic Crimes**

Provides information about major economic crimes such as embezzlement, computer crime, and others. Discusses investigative techniques relating to each of the major economic crimes.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 230 : Principles of Police Supervision**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 231 : Stress in Policing**

Surveys major sources of stress in police work and effects of stress on the officer. Considers stress management programs.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**AJ 232 : Officer Survival**

Emphasizes positive tactics police officers can employ to effectively use their own firearms to defeat those of assailants. Teaches techniques that work for survival in real-life situations.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**AJ 234 : Police-Community Relations**

Examines philosophies and styles of policing. Encourages effort of the police and community to share in the common goal of understanding mutual problems.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 240 : Hawaiian Cultural & Natural Resources Management**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

AJ 101, and one of COM 145, COM130/BUS 130, or SP 151.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 250 : Community Based Corrections**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 270 : Principles of Loss Prevention**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**AJ 293v : Administration of Justice Internship**

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.) (Student must complete minimum 75hr/cr per semester)

**Credits** 3

**Lecture Hours** 75

**Prerequisites**

AJ 101 with grade C or better, or consent.

## Agriculture

**AG 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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**AG 101 : Home Gardening**

Introduces ornamental and vegetable gardening for the home gardener. Includes landscape installation and maintenance. Intended for non-majors.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**AG 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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**AG 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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**AG 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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**AG 122 : Soil Technology**

Studies identification, preparation, and fertilization of soils; amendments, sterilization, mulching, and composting methods. Includes soil testing, microbiology, and soil moisture. Emphasizes sustainable management systems.

**Credits** 3

**Lab Hours** 45

**Lecture Hours** 30

**Teaching Equivalent** 4.17

**Designation**

DB

DY

**Recommended Prep**

Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.

**AG 162 : Introduction to Beekeeping**

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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Recommended Prep**

AG 174.

**AG 163 : Advanced Beekeeping**

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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Prerequisites**

AG 162 with grade B or better, or consent.

**AG 174 : Insects & Their Control**

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.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**Designation**

DB

DY

**Recommended Prep**

Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.

**AG 193v**

Applies skills to the workplace in an occupation within the student's area of interest. See [Special Curricula - Cooperative Education](#) for more information.

**Credits** 1

**AG 194v**

**Credits** 1-3

**AG 200 : Principles of Horticulture**

Introduces plant botany and physiology. Discusses plant nutrients, moisture, and environmental requirements and plant propagation. Studies culture and production techniques for selected ornamental crops.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

AG 200L.

**AG 200L : Principles of Horticulture Lab**

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.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

AG 200

**AG 201 : Introduction to Plant Disease**

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.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**Recommended Prep**

Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.

**AG 230 : Agricultural Business Management**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.

**AG 232 : Farm Tractor & Equipment Operation**

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.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Prerequisites**

Consent.

**AG 233**

**Credits** 2

**AG 235 : Irrigation Principles & Design**

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.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**Prerequisites**

MATH 75X with grade C or better or placement at least MATH 82, or consent.

**AG 251 : Sustainable Crop Production**

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.

**Credits** 4

**Lab Hours** 90

**Lecture Hours** 30

**Teaching Equivalent** 6.67

**Recommended Prep**

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.

**Prerequisite or Corequisite**

AG 103 and AG 104, or consent.

**AG 252 : Sustainable Crop Production II**

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.

**Credits** 2

**Lab Hours** 90

**Teaching Equivalent** 5.00

**Recommended Prep**

AG 200.

**Prerequisites**

AG 251 with grade C or better, or consent.

**AG 253 : Hawaiian Food Plants: Traditional and Contemporary Production**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DB

**Prerequisites**

AG 200 or BOT 105/HWST 211, either with grade C or better, or consent.

**AG 253L : Hawaiian Food Plants: Traditional and Contemporary Production Lab**

Lab to accompany AG 253.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

HI

DY

**Prerequisites**

AG 200 or BOT 105/HWST 211, either with grade C or better, or consent.

**Corequisites**

AG 253.

**AG 254**

**Credits** 4

**AG 260 : Tropical Landscape**

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.)

**Credits** 4

**Lab Hours** 45

**Lecture Hours** 45

**Teaching Equivalent** 5.00

**Prerequisites**

Either AG 265 and 265L, or AG 269, or consent.

**AG 261 : Turfgrass Management**

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.)

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**Recommended Prep**

Placement at ENG 100, and MATH 75X with grade C or better or placement at least MATH 82, or consent.

**AG 264 : Plant Propagation**

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.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**Prerequisites**

AG 200, or consent.

**AG 265 : Horticulture of Hawaiian Plants**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DB

**Prerequisites**

AG 200 or BOT 105/HWST 211, either with grade C or better, or consent.

**Corequisites**

AG 265L.

**AG 265L : Horticulture of Hawaiian Plants Lab**

Lab to accompany AG 265.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

AG 200 or BOT 105/HWST 211, either with grade C or better, or consent.

**Corequisites**

AG 265.

**AG 266 : Greenhouse & Nursery Management**

Introduces management practices for production and operation of nurseries and greenhouses in Hawai'i. Includes environmental factors, structures, materials, sanitation, pests, and diseases.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**Recommended Prep**

Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.



**AG 269 : Ornamental Plant Materials**

Presents identification, use, propagation, and cultural requirements of trees, shrubs, vines, and ground covers used in Hawaiian landscapes.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**AG 281 : Weed Science**

Teaches weed classification, identification, ecology, and principles of weed control. Emphasizes properties, uses, action, and safety of herbicides and pesticides.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**Recommended Prep**

Placement at least ENG 22, and MATH 75X with grade C or better or placement at least MATH 82, or consent.

## Anthropology

**ANTH 150 : Human Adaptation**

Studies human evolution. Examines prehistoric and recent developments of culture, and common features and principle variations in cultural behavior.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**ANTH 151 : Emerging Humanity: Introduction to human biological evolution and the archaeology of culture in the world prior to AD 1500.**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FGA

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ANTH 152 : Culture and Humanity**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FGB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ANTH 165 : Heritage Sites in Archaeology**

Introduces the concepts and practices of archeology, historical research, historic site preservation, and heritage management. Combines lecture, laboratory, and fieldwork.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DS

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ANTH 200 : Cultural Anthropology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ANTH 210 : Archaeology**

Introduces prehistoric archaeology. Surveys cultural growth in prehistoric times. Explains methods and techniques of excavation and laboratory analysis.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

ANTH 150, 200, or 215.

**ANTH 210L : Archaeology Laboratory**

Teaches methods and techniques of archaeological excavation. Uses laboratory techniques to analyze data.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ANTH 210 with grade C or better (or concurrent), or consent.

**ANTH 215 : Physical Anthropology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ANTH 225 : Medical Anthropology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

ANTH 200 or 215 (or concurrent).

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ANTH 235 : Peoples of the Pacific**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Recommended Prep**

HIST 152 or ANTH 200.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ANTH 281 : Archaeological Field Techniques**

Applies archaeological techniques including survey, excavation, mapping, and photography. Taught entirely in the field at an archaeological site.

**Credits** 4

**Lecture/Lab Credits** 120

**Teaching Equivalent** 6.67

**Designation**

DS

**Prerequisites**

ANTH 210 with grade C or better (or concurrent), or consent.

# Aquaculture

**AQUA 466 : Fisheries Science**

Examines general characteristics of fisheries, harvesting methods, principles and techniques to derive data and analyze fished populations.

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Designation**

DB

**Recommended Prep**

MATH 115 and AQUA 362.

**Prerequisites**

OCN 201, 201L, ZOOL 200, and ZOOL 200L, all with grade C or better, or consent.

**Corequisites**

AQUA 466L.

**AQUA 466L : Fisheries Science Lab**

Laboratory to accompany AQUA 466.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Recommended Prep**

MATH 115 and AQUA 362.

**Prerequisites**

OCN 201, 201L, ZOOL 200, and ZOOL 200L, all with grade C or better, or consent.

**Corequisites**

AQUA 466.

# Architectural Engineering & CAD Tech

## **AEC 110 : Basic AutoCAD**

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.

**Credits** 4

**Lecture Hours** 4

**Teaching Equivalent** 4.00

**Recommended Prep**

ICS 101 or BUSN 150, and placement at ENG 100.

**Prerequisites**

BLPR 101 or equivalent training/experience with consent.

## Art

### **ART 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

### **ART 104 : Intro to Printmaking**

Introduces basic technical information and hands on experience in the multiple facets of printmaking media.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

**Recommended Prep**

ART 113.

### **ART 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.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

### **ART 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.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

### **ART 107D : Introduction to Digital Photography**

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.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

**Prerequisites**

Access to digital camera (manual settings preferable).

### **ART 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.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

### **ART 115 : Introduction to 2D Design**

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.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

**Recommended Prep**

ART 101.

### **ART 123B : Introduction to Water Color Painting**

Introduces the theory and practice of watercolor painting. Includes basic materials and technical procedures.

**Credits** 1

**Lecture/Lab Credits** 30

**Teaching Equivalent** 1.43

**Designation**

DA

### **ART 123C : Introduction to Oil Painting**

Introduces the theory and practice of oil painting. Includes basic materials and technical procedures.

**Credits** 1

**Lecture/Lab Credits** 30

**Teaching Equivalent** 1.43

**Designation**

DA

**ART 123D : Introduction to Acrylic Painting**

Introduces the theory and practice of acrylic painting. Includes basic materials and technical procedures.

**Credits** 1

**Lecture/Lab Credits** 30

**Teaching Equivalent** 1.43

**Designation**

DA

**ART 223 : Intermediate Painting**

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.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

**Prerequisites**

ART 113 and 123BCD, or consent.

**ART 243 : Intermediate Ceramics: Hand Building**

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.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

**Prerequisites**

ART 105, or consent.

**ART 244 : Intermediate Ceramics: Wheel Throwing**

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.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

**Prerequisites**

ART 105, or consent.

**ART 263 : Advanced Ceramics: Sculpture**

Explores sculptural concepts and techniques specifically related to the medium of clay; advanced hand-building, throwing, glazing, and firing techniques.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

**Prerequisites**

ART 243 or ART 244, either with grade C or better, or consent.

**ART 264 : Advanced Ceramics: Vessels**

Explores the ceramic vessel as function, metaphor, and expression. Advanced hand-building, throwing, glazing, and firing techniques.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 4.29

**Designation**

DA

**Prerequisites**

ART 243 or ART 244, either with grade C or better, or consent.

**ART 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

# Astronomy

## **ASTR 110 : Survey of Astronomy**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Recommended Prep**

High school science

**Prerequisites**

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.

## **ASTR 110L : Introduction to Astronomy Laboratory**

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.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Recommended Prep**

ICS 101 or equivalent.

**Prerequisites**

ASTR 110 with grade C or better (or concurrent), and MATH 82 with grade C or better or placement at least MATH 100.

# Auto Body Repair & Painting

## **ABRP 120G : Auto Sheet Metal**

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)

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 3.75

**Prerequisites**

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.

## **ABRP 120H : Body & Fender Repair**

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)

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 3.75

**Prerequisites**

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.

## **ABRP 122E : Basic Auto Refinishing**

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.

**Credits** 4

**Lecture/Lab Credits** 120

**Teaching Equivalent** 5.00

**Recommended Prep**

ABRP 120H.

**Prerequisites**

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.

## **ABRP 122G : Complete and Touch Up Refinishing Techniques**

Explains the complete painting process. Covers preparation and application of sealers to surface, to the final detailing of the vehicle.

**Credits** 6

**Lecture/Lab Credits** 180

**Teaching Equivalent** 7.50

**Prerequisites**

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.

## **ABRP 141G : Plastic Panel Repair**

Introduces the repairing of damaged plastic and fiberglass panels and components. (Formerly ABRP 41G)

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 3.75

**Prerequisites**

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.

**ABRP 141H : Management & Estimating**

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)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.50

**Prerequisites**

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.

## Automotive Technology

### Learning Outcomes

1. Diagnose, service, and repair the electrical system.
2. Diagnose, service, and repair the fuel system.
3. Diagnose, service, and repair the emission system.
4. Diagnose, service, and repair the ignition system.
5. Diagnose, service and repair the heating and air conditioning system.
6. Diagnose, service, and repair the steering and suspension system.
7. To be able to write customer repair orders and estimates.
8. To be able to orally communicate, to customer, management, parts person and other technicians.
9. To be able to use computer to retrieve information for repairs and estimates.
10. To be able to write resumes and be able to use job interview techniques.

**AMT 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.

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**AMT 100 : Introduction to Automotive Technology**

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)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.50

**Recommended Prep**

Placement at ENG 21 or higher.

**Prerequisites**

Student must maintain a valid Driver's license throughout duration of the automotive course of studies, or consent.

**AMT 129 : Engines Repair**

Covers shop safety, tools, and all components found in the modern internal combustion engine. Designed to provide students with an understanding of the fundamental operation and construction of internal combustion engines. Instruction includes theory and laboratory(shop) activities in which students learn how to inspect, service, maintain, diagnose, and repair automobile engine malfunctions. This course includes live work. Students are required to have a valid driver's license. (Formerly AMT 30)

**Credits** 7

**Lecture/Lab Credits** 210

**Teaching Equivalent** 8.75

**Recommended Prep**

At least 10th grade reading skill.

**Prerequisites**

AMT 100 and AMT 141, both 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.

**AMT 141 : Electrical/Electronics Systems I**

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)

**Credits** 5

**Lecture/Lab Credits** 150

**Teaching Equivalent** 6.25

**Prerequisites**

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.

**AMT 144 : Heating and Air Conditioning**

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)

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 5.00**

**Prerequisites**

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.

**AMT 145 : Manual Drive Trains and Axles**

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)

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 5.00**

**Recommended Prep**

At least 10th grade reading skill, or consent.

**Prerequisites**

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.

**AMT 149 : Automatic Transmissions and Transaxles**

Examines principles of operation, diagnosis, and repair of automatic transmissions and transaxles.

Explains use of automotive tools and testing equipment. (Formerly AMT 50)

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 5.00**

**Recommended Prep**

At least 10th grade reading skill, or consent.

**Prerequisites**

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.

**AMT 152 : Brake Systems**

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)

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 5.00**

**Recommended Prep**

At least 10th grade reading skill, or consent.

**Prerequisites**

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.

**AMT 154 : Suspension and Steering Systems**

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)

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 5.00**

**Recommended Prep**

At least 10th grade reading skill, or consent.

**Prerequisites**

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.

**AMT 240 : Fuel & Emission Systems**

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)

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 5.00**

**Recommended Prep**

ENG 21; and QM 107C or MATH 100 or higher.

**Prerequisites**

AMT 241 with grade C or better, or consent.

### **AMT 241 : Electrical/Electronics Systems II**

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)

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 5.00**

#### **Recommended Prep**

At least 10th grade reading skill, or consent.

#### **Prerequisites**

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.

### **AMT 246 : Ignition Systems**

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)

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 5.00**

#### **Recommended Prep**

At least 10th grade reading skill; or consent.

#### **Prerequisites**

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.

### **AMT 250 : Engine Performance**

Provide students with an introduction to the Automotive Service Excellence (ASE) Engine Performance Test (A6). This course is designed to provide the student with the ability to retrieve and record diagnostic trouble codes, diagnose drivability concerns and make the necessary repairs. Course content includes diagnostic and repair strategies in Electrical and Electronic Systems, Engine Performance and Emissions systems. This course is also intended for the student as a test preparation course for the Automotive Service Excellence (ASE) A6 and A8 certification exams. The simulator training will be based on the "Composite Vehicle" by the use of simulator boards and computer-based training methods prior to live vehicle work. This is an introductory study of computerized engine controls and diagnosis as it pertains to the function and control of the engine, fuel, ignition, and emission control systems. Emphasis will be placed on system components and their operational characteristics. Basic troubleshooting techniques of the engine, fuel, ignition, and emission control systems will be demonstrated. (Previously AMT 240 and AMT 246.)

**Credits 6**

**Lecture/Lab Credits 210**

**Teaching Equivalent 8.75**

#### **Recommended Prep**

At least 10th grade reading skill.

#### **Prerequisites**

AMT 100, AMT 129 (or concurrent), and AMT 141 (or concurrent), 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 the duration of the automotive course of studies.

### **AMT 262 : Advanced Diagnostic and Repair**

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)

**Credits 8**

**Lecture/Lab Credits 240**

**Teaching Equivalent 10.00**

#### **Prerequisites**

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.

## **Biochemistry**

### **BIOC 141 : Fundamentals of Biochemistry**

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)

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

#### **Designation**

DP

#### **Recommended Prep**

High school science.

#### **Prerequisites**

MATH 82 with grade C or better, or placement at least MATH 100, or consent.



**BIOC 142 : Elements of Biochemistry**

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)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

BIOC 141, CHEM 151, or CHEM 161, any with grade C or better; or consent.

## Biology

**BIOL 100 : Human Biology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BIOL 101 : Biology and Society**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BIOL 101L : Biology and Society Lab**

Laboratory to accompany BIOL 101. (Crosslisted as SCI 121L.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

BIOL 101.

**BIOL 102 : General Botany**

Studies growth, function, and evolution of plants. Analyzes human interactions with plants and plant interactions with their environment. (Crosslisted as BOT 101.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BIOL 102L : General Botany Lab**

Lab to accompany BIOL 102. (Crosslisted as BOT 101L.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

BIOL 102.

**BIOL 103 : Principles of Zoology**

Surveys major animal groups with emphasis on structure, physiology, development, reproduction, evolution, ecology, behavior, and interactions with humans. (Crosslisted as ZOOL 101.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BIOL 103L : Principles of Zoology Lab**

Lab to accompany BIOL 103. (Crosslisted as ZOOL 101L.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

BIOL 103.

**BIOL 105 : Hawaiian Field Biology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BIOL 105L : Hawaiian Field Biology Lab**

Lab to accompany BIOL 105.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

HI

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

BIOL 105.

**BIOL 124 : Environment and Ecology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BIOL 124L : Environment and Ecology Lab**

Laboratory to accompany BIOL 124.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

BIOL 124 with grade C or better (or concurrent), or consent.

**BIOL 151 : Introduction to Genetics**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Recommended Prep**

BIOL 100 or 101.

**Prerequisites**

ENG 100, or consent.

**BIOL 152L : Introduction to Biotechnology Lab**

Provides an 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.

**Credits** 2

**Lab Hours** 90

**Teaching Equivalent** 5.00

**Designation**

DY

**Recommended Prep**

High school or college level chemistry

**Prerequisites**

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.

**BIOL 171 : General Biology I**

Introduces cell structure and chemistry, growth, reproduction, genetics, evolution, viruses, bacteria, and simple eukaryotes. Required for life science majors.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

CHEM 151 or 161(or concurrent), or consent.

**Corequisites**

BIOL 171L.

**BIOL 171L : General Biology I Lab**

Laboratory to accompany BIOL 171.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

CHEM 151 or 161(or concurrent), or consent.

**Corequisites**

BIOL 171, or consent.

**BIOL 172 : General Biology II**

Continues BIOL 171. Includes anatomy, physiology, and systematics of plants and animals. Studies behavior, ecosystems, populations, and communities.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

BIOL 171, or consent.

**BIOL 172L : General Biology II Lab**

Laboratory to accompany BIOL 172.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

BIOL 171, 171L, and 172 (or concurrent), or consent.

**BIOL 200 : Coral Reefs**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BIOL 200L : Coral Reefs Lab**

Laboratory to accompany BIOL 200.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

BIOL 200.

**BIOL 282 : Global Change**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Recommended Prep**

College science course.

**Prerequisites**

ENG 100 with grade C or better, or consent.

**BIOL 331 : Marine Mammal Biology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

Either BIOL 171 or ZOOL 200, and MATH 115, both with grade C or better, or consent.

**BIOL 331L : Marine Mammal Biology Lab**

Introduces current field and laboratory techniques and equipment used to collect and analyze data on marine mammal population structure and dynamics.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

BIOL 331 (or concurrent).

**BIOL 424 : Protected Species Management**

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.

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Designation**

DB

**Recommended Prep**

ENG 225, and MATH 115.

**Prerequisites**

BIOL 171 and ZOOL 200/L, all with grade C or better, or consent.

**BIOL 424L : Protected Species Management Lab**

Laboratory to accompany BIOL 424.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Recommended Prep**

ENG 225, and MATH 115.

**Prerequisites**

BIOL 171 and ZOOL 200/L, all with grade C or better, or consent.

**Corequisite Courses**

[BIOL 424: Protected Species Management](#)

# Blueprint

## **BLPR 101 : Blueprint & Drafting Foundations**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Prerequisites**

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

# Botany

## **BOT 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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Designation**

DB

## **BOT 101L : General Botany Lab**

Laboratory to accompany BOT 101. (Crosslisted as BIOL 102L.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

### **Designation**

DY

### **Corequisites**

BOT 101.

## **BOT 105/HWST 211 : 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. Meets Social Science requirement, not Natural Science requirement.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Designation**

HI

DS

## **BOT 105L : Ethnobotany Lab**

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.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

### **Designation**

DY

### **Prerequisites**

BOT 105 or HWST 211, either with a C or better (or concurrent).

# Business

## **BUS/COM 130/SP : Communication - Speech**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Designation**

DA

### **Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

## **BUS 120 : Principles of Business**

Surveys the fundamentals of American business enterprise and examines the foundations and responsibilities of accounting, management, finance, marketing, and the business environment.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Recommended Prep**

ENG 22 with grade C or better, or placement at ENG 100.

### **Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**BUS 125 : Starting a Business**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

ENG 22 with grade C or better, or placement at ENG 100.

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**BUS 150 : Personal Finance**

Introduces financial planning, money management and tax planning. Includes financing real and personal property, purchasing insurance and managing investments. (Crosslisted as ECON 150.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

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.

**BUS 193V**

Applies skills to the workplace in an occupation within the student's area of interest. See [Special Curricula - Cooperative Education](#) for more information.

**Credits** 3

**BUS 310 : Statistical Analysis for Business Decisions**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

MATH 115 with grade C or better, or consent.

**BUS 318 : Principles of Finance**

Introduces the theory and practice of financial management: analysis and decision making for asset management, capital budgeting, capital structure, and dividend policy.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ACC 300 with grade C or better, or consent.

**BUS 320 : Entrepreneurship – Opportunity Recognition and Evaluation**

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. (Letter grade only.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

MGT 310 and MKT 300, both with grade C or better; or consent.

**BUS 322 : New Venture Leadership**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

PSY 100 or SOC 100.

**Prerequisites**

MGT 310, or consent.

**BUS 393V : ABIT Cooperative Education**

Applies skills to the workplace in an occupation within the student's area of interest. See [Special Curricula - Cooperative Education](#) for more information.

**Credits** 1-3

**BUS 420 : Global Business Strategies**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

MKT 300 and MGT 310, or consent.

**BUS 495 : ABIT Capstone I**

Provides the skills necessary to utilize and demonstrate the topics and content learned during the ABIT program. Includes creation of a business value proposition for one or more customer segments. Covers formation of customer relationships using one or more channels, utilization of business partners, resources and activities to start a new business. Involves the creation of a revenue model and pricing model, and a cost estimate to the start of the business. A Minimum Viable Product(MVP) is the culmination of this course that demonstrates the value proposition to any new customer or partner. (Letter grade only.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

BUS 320 with grade C or better, or consent.

**BUS 496 : ABIT Capstone II**

Provides the skills necessary to transform a business startup from a Minimum Viable Product (MVP) or a basic prototype to a full startup that is ready for launch. Extension of the Capstone I project that creates the MVP, to a business model, plan and prototype that is ready for launch. Provides students the ability to explore options to sustain business after graduation. (Letter grade only.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

BUS 495 with grade C or better, or consent.

## Business Law

**BLAW 200 : Legal Environment of Business**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BLAW 324 : Business Law for Entrepreneurs**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

ENG 100 with grade C or better, or consent.

**BLAW 360 : International Business Law**

Examines international and national laws as they 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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

ENG 100 with grade C or better, or consent.

## Business Technology

**BUSN 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 Lualaba course management system. Provides instruction and practice with word processing and presentation programs.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****BUSN 110 : Office Computer Troubleshooting and Maintenance**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

BUSN 150 or ICS 101, either with grade C or better, or consent.

**BUSN 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**BUSN 123 : Word Processing for Business**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

35 gross words a minute (gwam) or BUSN 121 with grade C or better.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BUSN 150 : Introduction to Business Computing**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

BUSN 50 or 121.

**BUSN 151 : Intermediate Business Computing**

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 spreadsheet, database, and presentation software. Provides experience with typical business applications that utilize Intranet and Internet technologies.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

BUSN 150 or ICS 101, either with grade C or better, or consent.

**BUSN 157 : Desktop Publishing for Business**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

BUSN 150 or ICS 101, either with grade C or better, or consent.

**BUSN 158 : Social Media and Cloud-Based Collaboration for Business**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

Basic computer, Internet, and keyboarding skills.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**BUSN 159 : Creating and Managing the Virtual Office**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

Basic computer, Internet, and keyboarding skills.

**Prerequisites**

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.

**BUSN 161 : Customer Service**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 or placement at ENG 100, or consent.

**BUSN 164 : Career Success**

Presents concepts and theories relating to workplace behavior and managing one's attitude and relationships for workplace effectiveness.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

Computer experience using word processing.

**Prerequisites**

ENG 22 with grade C or better (or concurrent), or placement at ENG 100, or consent.

**BUSN 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.)

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**BUSN 170 : Records and Information Management**

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, alphanumeric, geographic, numeric, and subject methods. Helps a business or organization meet its fiscal, legal, governmental, requirements by managing its information systems.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisite or Corequisite**

ENG 100, or consent.

**BUSN 185 : Processing Physician's Orders**

Introduces skills for transcribing physician orders. Includes transcribing medication, intravenous, admission, pre-operative, post-operative, and referral orders. Includes computer transcription.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

NURS 50 and BUSN 123, both with grade C or better, or consent.

**BUSN 189 : Business Mathematics**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

MATH 75X with grade C or better or placement at least MATH 82, or consent.

**BUSN 193v : Business Technology Cooperative Education**

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.)

**Credits** 3

**Lecture Hours** 1

**Prerequisites**

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.



### **BUSN 232 : Business Computer Spreadsheets**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

#### **Prerequisites**

BUSN 151 and BUSN 189, both with grade C or better, or consent.

### **BUSN 237 : Business Computer Databases**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

#### **Prerequisites**

BUSN 151 and BUSN 189, both with grade C or better, or consent.

### **BUSN 261 : Web Page Construction Fundamentals and Marketing**

Introduces web page construction including HTML code, Internet service providers, and web page construction software. Examines World Wide Web marketing strategies.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

#### **Prerequisites**

BUSN 150 or ICS 101, either with grade C or better, or consent.

### **BUSN 292 : Integrated Office Procedures**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

#### **Prerequisites**

BUSN 123, 151, and 193v, all with grade C or better, or consent.

## Carpentry

### **CARP 120 : Basic Carpentry Skills**

Introduces proper use and maintenance of carpentry hand and power tools. Practices selecting and using construction materials and fastening systems. (Formerly CARP 20)

**Credits** 3

**Lecture Hours** 15

**Lecture/Lab Credits** 60

**Teaching Equivalent** 3.13

#### **Prerequisites**

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.

### **CARP 121 : Framing and Exterior Finish**

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)

**Credits** 3

**Lecture Hours** 15

**Lecture/Lab Credits** 60

**Teaching Equivalent** 3.13

#### **Prerequisites**

CARP 120, or consent.

### **CARP 122 : Interior Finish**

Introduces interior finish of floors, walls, ceiling, trim and special feature applications in residential and light commercial construction. (Formerly CARP 43)

**Credits** 3

**Lecture Hours** 15

**Lecture/Lab Credits** 60

**Teaching Equivalent** 3.13

#### **Prerequisites**

CARP 120, or consent.

## Chemistry

### **CHEM 100 : Chemistry and Society**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

#### **Designation**

DP

#### **Prerequisites**

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.

**CHEM 100L : Chemistry and Society Lab**

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.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

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.

**CHEM 131 : Preparation for General Chemistry**

Provides background in algebra and elementary concepts of chemistry in preparation for entering the General Chemistry sequence.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

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.

**CHEM 151 : Elementary Survey of Chemistry**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

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.

**CHEM 151L : Elementary Survey of Chemistry Lab**

Laboratory to accompany CHEM 151

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

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.

**Corequisites**

CHEM 151

**CHEM 161 : General Chemistry I**

Covers basic principles of chemistry including introduction to units, equations, atomic structure, chemical bonding, gases, crystals, and solutions.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

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.

**Corequisites**

CHEM 161L.

**CHEM 161L : General Chemistry I Lab**

Presents laboratory experiments illustrating fundamental principles of chemistry.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Corequisites**

CHEM 161, or consent.

**CHEM 162 : General Chemistry II**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

CHEM 161 and at least MATH 135, or consent.

**Corequisites**

CHEM 162L.

**CHEM 162L : General Chemistry II Lab**

Presents laboratory experiments illustrating fundamental principles of chemistry.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Corequisites**

CHEM 162, or consent.

**CHEM 272 : Organic Chemistry I**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

CHEM 162 with grade C or better, or consent.

**Corequisites**

CHEM 272L.

**CHEM 272L : Organic Chemistry I Lab**

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.

**Credits** 2

**Lab Hours** 60

**Teaching Equivalent** 3.33

**Designation**

DY

**Prerequisites**

CHEM 162L with grade C or better, or consent.

**Corequisites**

CHEM 272.

**CHEM 273 : Organic Chemistry II**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

CHEM 272 with grade C or better, or consent.

**Corequisites**

CHEM 273L.

**CHEM 273L : Organic Chemistry II Lab**

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.

**Credits** 2

**Lab Hours** 60

**Teaching Equivalent** 3.33

**Designation**

DY

**Prerequisites**

CHEM 272L with grade C or better, or consent.

**Corequisites**

CHEM 273.

# Communication

**BUS/COM 130/SP :  
Communication - Speech**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**COM/PSY 215 : Conflict  
Resolution & Mediation**

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.

**Credits** 3

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

ENG 100 with grade C or better.

**Prerequisites**

COM 145, BUS/COM 130, or PSY 100, any with grade C or better, or consent.

**COM 145 : Interpersonal  
Communication I**

Provides the theory and practical skills to be a competent communicator in a one-to-one setting.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**COM 210 : Intercultural Communication I**

Explores problems and opportunities of communicating in a variety of intercultural contexts. Focuses on theory and practice in managing intercultural communication effectiveness.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 100, or consent.

**COM 353 : Conflict Management & Resolution**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

PSY 253/COM 215.

**Prerequisites**

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.

**COM 459 : Intercultural Communication II**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 200 or ENG 209 or ENG 225, any with grade C or better; or consent.

**PSY/COM 253 : Conflict Resolution & Mediation**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

## Community Health Worker

**CHW 135 : Health Promotion/ Disease Prevention**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

HSER 101 with grade C or better, or consent.

## Cooperative Arts & Sciences Education

**CASE 193v : Work-Based Learning**

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. See Special Curricula section for details.

**CASE 293v : Work-Based Learning**

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. See Special Curricula section for details.

**CASE 393v : Work-Based Learning**

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. See Special Curricula section for details.

**Prerequisites**

Students must be upper division program majors, or consent.

**CASE 493v : Work-Based Learning**

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. See [Special Curricula](#) section for details.

**Prerequisites**

Students must be upper division program majors, or consent.

## Cooperative Vocational Education

**CVE 93v : Work-Based Learning**

See Special Curricula section for details.

**CVE 193v : Work-Based Learning**

See Special Curricula section for details.

**CVE 293v : Work-Based Learning**

See Special Curricula section for details.

## Creative Media

## Learning Outcomes

1. Apply effective communication and critique skills with peers and clients.
2. Demonstrate skills in professional use of creative media applications and equipment.
3. Describe ethical and legal aspects regarding the creation and use of creative media.

4. Produce creative media project using critical thinking and basic design concepts.

**CM 105 : Storytelling: Find Your Voice in Creative Media**

Introduces students to core Storytelling principles in commercial art and life, and inspires passion, focus, and commitment to craft. Students explore the nature of storytelling and storytellers in film, television, literature, music, spoken word, and more, and features artists and media professionals as guest speakers. Students apply what they learn by presenting stories in any of a number of forms which reflect their own unique voice.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**CM 118 : Principles of Animation**

Introduces traditional styles and methods of hand-drawn 2D animation and fundamental mechanics of motion including paths of action, forces, timing, patterns, anticipation, action and counteraction, balance, weight, squash and stretch, primary and secondary action, and overlap. Students employ animation drawing tablets and “pencil test” software to create frame-by-frame animated motion to learn how to visualize and then represent the action of forms and shapes in motion, and create the illusion of such actions as acceleration, deceleration, collision, anticipation, balance, momentum, and intent.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Recommended Prep**

CM 123. Students should be familiar and comfortable with the use of computers. Digital drawing tables are essential tools in this course (and provided for students in the computer lab).

**Prerequisites**

ART 113 with grade C or better, or consent.

**CM 119 : Movies from Script to Screen**

Introduces the complex interconnected processes of screenwriting, producing, directing, and editing, and also how sound design and score elevate emotional storytelling. Through this unique exploration of the mindset required of above-the-line creatives in the motion picture and animation industry, Students discover the big picture and better understand primary considerations for both Filmmakers and Animators when planning and executing their own digital media projects. (Formerly CM 115)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**CM 120 : Introduction to Digital Video**

Develops foundational skills in pre-production and production for both broadcast TV studio and field-based video projects. The course emphasizes vital technical aspects of digital cinematography and sound recording as well as conceptual development, planning, writing, storyboarding, editing, and project management for Filmmakers and Animators. In addition, students are introduced to basic rules of visual composition, lighting, sequencing, and collaborative visual storytelling.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Recommended Prep**

CM 152

**CM 123 : Photoshop and Illustrator**

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 in Creative Media.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Recommended Prep**

ICS 101

**CM 125 : Introduction to Graphic Design**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

CM 123 with grade C or better, or consent.

**CM 139 : Media Analysis: Comedy**

Explores the rise of comedy in media including groundbreaking cinema, stand-up comics, and iconic TV situation and sketch comedies. Through examination of the masters of the form, students discover the science of comedy and learn to utilize proven techniques to inject humor into their writing, performance, commercial art, and inter-personal relationships.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**CM 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 in film and animation can accelerate or condescend the intent of the original author.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**CM 145 : Media Analysis: Film Criticism**

Provides an overview on the history of cinema (from gimmick to art form to industry) and the development and professional practice of film criticism. Students become familiar with varying means of writing constructive film reviews, the writers who established the need for film criticism and the films and artists whose work demands a written response. This course empowers students to express their voice through written works, with an intent to inspire them to strengthen their writing abilities, apply their voice to their writing and, perhaps, pursue writing as a profession.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DH

**CM 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 develop constructive criticism abilities and become familiar with tropes and possibilities within the genre affectionately known as the cinema of fear.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DH

**CM 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. Ever-evolving trends in mass media distribution and consumption in concert with real-time global events provide students a rich and dynamic experience.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DS

**CM 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 issues of representation which plague the industry and society at large, and how motion pictures shape 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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DH

**CM 152 : Principles of Video Editing**

Develops technical and creative skills essential for video editing. Students learn to manipulate existing footage into thoughtful and creative video edits by using professional software, and discover the technical and creative elements essential for success in Creative Media. (Formerly CM 149)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DA

**Recommended Prep**

Students must be proficient with the use of a computer, and CM 123 Photoshop and Illustrator is strongly recommended so that a student is already familiar with the Adobe CC environment.

**CM 175 : Motion Graphics and 2D Animation**

Introduces two-dimensional digital illustration, animation principles, and techniques for storytellers. 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, typography and effects to create integrated visual effects and motion graphics for use in presentations, advertising, motion pictures, and animation.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DA

**Recommended Prep**

CM 152

**Prerequisites**

CM 123 with grade C or better, or consent.

**CM 178 : Introduction to 3D Animation**

Explores the use of industry standard tools for the creation of 3D digital animation and the production process. Students learn the terminology and basics of modeling, character rigging, animation, shading, lighting, rendering and tracking.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

CM 123 with grade C or better, or consent.

**CM 180 : Introduction to Website Technology**

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 to prepare them for entry level work in the field.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

CM 123 with grade C or better, or consent.

**CM 220 : Intermediate Digital Video**

Develops advanced skills in video pre-production and production. 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, collaboration, writing, storyboarding, editing, and project management. Students must produce, deliver, and exhibit a polished narrative or documentary short film to complete this course.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

CM 120 with grade C or better, or consent.

**CM 225 : Intermediate Graphic Design**

Explores 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 for print and the web. 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

CM 125 with grade C or better, or consent

**CM 252 : Intermediate Video and Audio Editing**

Emphasizes next-level editing considerations, and professional editorial techniques while also providing support in the completion of Graduate projects for Filmmaking and Animation majors. Editing is 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

CM 152 with grade C or better, or consent.



### **CM 285 : Creative Media Capstone**

Evaluates the scope of understanding accumulated during the student's years in the program, with required delivery of an ambitious final project encompassing their overall knowledge, familiarity and process in their chosen subject area. For Photographers or Graphic Designers that might be an online portfolio, or a professional reel or short for Filmmakers and Animators. 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 such as Academy for Creative Media (ACM) Manoa or West Oahu.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Recommended Prep**

Completion of the majority of Creative Media requirements for an A.S. degree.

**Prerequisites**

CM 175 with grade C or better, or consent.

### **cm 278 : Intermediate 3D Animation**

Emphasizes disciplined production processes to create the illusion of life through the principles of animation. Students create animated scenes from initial design to final character animation, and learn character modeling, advanced character rigging, character animation techniques, facial animation, and soundtrack synchronization, with an emphasis on acting and personality in animated characters.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

CM 178 with grade C or better, or consent.

## **Culinary Arts**

Learning Outcomes

1. Identify and practice the basic principles of culinary service, organization and structure, sanitation and safety in a food service operation to maintain the optimum health and satisfaction of the consumer.
2. Explain, examine and demonstrate principles and concepts of quality food procurement and identification, food and baking preparation and cost controls, service, and proper use of tools and equipment to produce and serve a variety of professional food items.
3. Demonstrate skills in various areas of the culinary hierarchy: human relations, teamwork, leadership, personnel management, and ethical decision making.
4. Discuss the standards of restaurant regulations involving liquor protocol and health and safety regulations

5. Practice standards in behavior, ethics, grooming and dress appropriate to culinary industry professionals.

### **CULN 100 : Math for the Culinary Arts**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

MATH 75X with grade C or better or placement at least MATH 82, or consent.

### **CULN 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.)

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**CULN 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.)

**Credits 2****Lecture Hours 30****Teaching Equivalent 2.00****CULN 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.)

**Credits 2****Lecture Hours 30****Teaching Equivalent 2.00****CULN 120 : Fundamentals of Cookery**

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.)

**Credits 5****Lecture/Lab Credits 180****Teaching Equivalent 7.50****Prerequisites**

CULN 112 with grade C or better (or concurrent), or consent.

**CULN 130 : Intermediate Cookery**

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.)

**Credits 5****Lecture/Lab Credits 180****Teaching Equivalent 7.50****Prerequisites**

CULN 112 and CULN 120, both with grade C or better, or consent.

**CULN 132 : Batch Cookery**

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.)

**Credits 5****Lecture/Lab Credits 180****Teaching Equivalent 7.50****Prerequisites**

CULN 112 and CULN 120, both with grade C or better, or consent.

**CULN 150 : Fundamentals of Baking**

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.)

**Credits 5****Lecture/Lab Credits 180****Teaching Equivalent 7.50****Prerequisites**

CULN 112 with grade C or better (or concurrent), or consent.

**CULN 155 : Intermediate Baking**

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.)

**Credits 5****Lecture/Lab Credits 180****Teaching Equivalent 7.50****Prerequisites**

CULN 150 with grade C or better, or consent.

**CULN 160 : Dining Room Operations**

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.)

**Credits** 5

**Lecture/Lab Credits** 180

**Teaching Equivalent** 7.50

**Prerequisites**

CULN 112 with grade C or better (or concurrent), or consent.

**CULN 191 : Catering Field Experience**

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.)

**Credits** 1

**Lecture Hours** 75

**Prerequisites**

CULN 112 with grade C or better (or concurrent), or consent.

**CULN 220 : Advanced Cookery**

Provides practice and theory in ala carte and banquet food production as found in quality hotels and specialty restaurants and integrates previous culinary training and academic studies using fundamental cooking techniques. Student teams will create menus with instructor input, organize production and service, define and staff kitchen stations and develop systems for efficient operation. (Letter grade only.)

**Credits** 5

**Lecture/Lab Credits** 180

**Teaching Equivalent** 7.50

**Prerequisites**

CULN 130 and 132, both with grade C or better, or consent.

**CULN 240 : Garde Manger**

Develops skills in the preparation of pates, terrines, galantines, canapés, 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.)

**Credits** 4

**Lecture/Lab Credits** 165

**Teaching Equivalent** 6.88

**Prerequisites**

CULN 130 with grade C or better, or consent.

**CULN 250 : Advanced Baking I**

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.)

**Credits** 5

**Lecture/Lab Credits** 180

**Teaching Equivalent** 7.50

**Prerequisites**

CULN 155 and ENG 100, both with grade C or better, or consent.

**CULN 251 : Advanced Baking II**

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.)

**Credits** 5

**Lecture/Lab Credits** 180

**Teaching Equivalent** 7.50

**Prerequisites**

CULN 250 with grade C or better, or consent.

**CULN 271 : Purchasing and Cost Control**

Analyzes purchasing and food control systems in commercial food service operations. Practices cost and sales analysis, comparative buying, and inventory control. (Letter grade only.)

**Credits** 4

**Lecture/Lab Credits** 165

**Teaching Equivalent** 6.88

**Prerequisites**

CULN 120 and CULN 130, both with grade C or better, or consent.

### **CULN 291 : Culinary Field Experience**

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.)

**Credits 2**

**Lecture Hours 150**

#### **Prerequisites**

CULN 130 and CULN 132, both with grade C or better (or concurrent), or consent.

## Dental Hygiene

### Learning Outcomes

1. Facilitate the development of entry-level care providers who demonstrate an understanding of dental hygiene roles, including the legal, professional, and ethical responsibilities within the community.
2. Demonstrate basic theoretical knowledge and skills in biological science, dental radiology, chair side dental hygiene, and business office procedures to support dental hygiene practice and build the foundation for an associate degree in the dental hygiene program.
3. Demonstrate a commitment to lifelong learning and advancing competency over a lifetime of practice.

### **DH 150 : Oral Histology & Embryology**

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.)

**Credits 2**

**Lecture Hours 30**

**Teaching Equivalent 2.00**

#### **Prerequisites**

Admission to Dental Hygiene program.

### **DH 153 : Assessment Procedures in Dental Hygiene**

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.)

**Credits 2**

**Lecture Hours 30**

**Teaching Equivalent 2.00**

#### **Prerequisites**

Admission to Dental Hygiene program.

### **DH 155 : Dental Emergencies**

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.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

#### **Prerequisites**

Admission to Dental Hygiene program.

### **DH 156 : Pre-clinical Dental Hygiene**

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.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

#### **Prerequisites**

Admission to Dental Hygiene program.

#### **Corequisites**

DH 156C

**DH 156C : Pre-Clinical Dental Hygiene Clinic**

Develops 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.)

**Credits** 2

**Teaching Equivalent** 3.75

**Clinical Hours** 90

**Prerequisites**

Admission to Dental Hygiene program.

**Corequisites**

DH 156

**DH 158 : Anatomical Sciences**

Examines dental anatomy focusing on the development, morphology and functions of the teeth, head and neck including mastication. (Letter grade only.)

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Prerequisites**

Admission to Dental Hygiene program.

**DH 252 : Dental Materials**

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.)

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Prerequisites**

DH 158 with grade C or better.

**Corequisites**

DH 252L.

**DH 252L : Dental Materials Lab**

Develops laboratory experience providing students with techniques in preparation and utilization of dental materials. (Letter grade only.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 1.88

**Prerequisites**

DH 158 with grade C or better.

**Corequisites**

DH 252.

**DH 254 : Pathology in Dental Hygiene and Special Patient Populations**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

Admission to Dental Hygiene program.

**DH 255 : Oral Pathology in Dental Hygiene**

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.)

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Prerequisites**

DH 254 with grade C or better, or consent.

**DH 256 : Applied Pharmacology in Dentistry**

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.)

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Prerequisites**

PHRM 203 with grade C or better, or licensed dentist or dental hygienist.

**DH 257 : Periodontics 1 and Advanced Clinical Techniques**

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 planning, curettage, subgingival irrigation, and hypersensitivity. (Letter grade only.)

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Prerequisites**

DH 156 and DH 156C, both with grade C or better.

**Corequisites**

DH 257C

**DH 257C : Periodontics 1 & Advanced Clinical Techniques Clinic**

Develops clinical experience that focuses on fundamental principles of periodontology including normal periodontium, etiology and classification of periodontal disease, and relationship of dental deposits to periodontal diseases. Correlation of basic sciences with the clinical aspects of periodontal diseases. Describes etiology and pathogenesis of periodontal diseases. Identifies development of periodontal pocket, abscess, process of bone loss.

Demonstrates advanced instrumentation techniques, ultrasonic devices, root planning, curettage, subgingival irrigation, and hypersensitivity. (Letter grade only.)

**Credits 1**

**Teaching Equivalent 1.88**

**Clinical Hours 45**

**Prerequisites**

DH 156 and DH 156C, both with grade C or better.

**Corequisites**

DH 257

**DH 258 : Periodontics 2 and Advanced Clinical Techniques**

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.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

DH 257 and DH 257C, both with grade C or better.

**Corequisites**

DH 258C

**DH 258C : Periodontics 2 and Advanced Clinical Techniques in Dental Hygiene Clinic**

Develops clinical skills 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.)

**Credits 1**

**Teaching Equivalent 1.88**

**Clinical Hours 45**

**Prerequisites**

DH 257 and DH 257C, both with grade C or better.

**Corequisites**

DH 258

**DH 260 : Clinical Dental Hygiene 1**

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.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

DH 156 and DH 156C, both with grade C or better.

**Corequisites**

DH 260C

**DH 260C : Clinical Dental Hygiene 1 Clinic**

Develops clinical experience on assessing, planning, implementing and evaluating dental hygiene care on the clinic clients. Develops clinical competency, skills, and performance with each successive academic semester. (Letter grade only.)

**Credits 3**

**Teaching Equivalent 5.63**

**Clinical Hours 135**

**Prerequisites**

DH 156 and DH 156C, both with grade C or better.

**Corequisites**

DH 260

**DH 261 : Clinical Dental Hygiene 2**

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.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

DH 260 and DH 260C, both with grade C or better.

**Corequisites**

DH 261C

**DH 261C : Clinical Dental Hygiene 2 Clinic**

Develops clinical experience 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.)

**Credits 1**

**Teaching Equivalent 1.88**

**Clinical Hours 45**

**Prerequisites**

DH 260 and DH 260C, both with grade C or better.

**Corequisites**

DH 261

**DH 262 : Clinical Dental Hygiene 3**

Focuses on assessing, planning, implementing, and evaluating dental hygiene care on clinic clients. Develops clinical competency, skill, and performance. (Letter grade only.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

DH 261 and DH 261C, both with grade C or better

**Corequisites**

DH 262C

**DH 262C : Clinical Dental Hygiene 3 Clinic**

Develops clinical experience on assessing, planning, implementing, and evaluating dental hygiene care on clinic clients. Develops clinical competency, skill, and performance. (Letter grade only.)

**Credits 4**

**Teaching Equivalent 7.50**

**Clinical Hours 180**

**Prerequisites**

DH 261 and DH 261C, both with grade C or better.

**Corequisites**

DH 262

**DH 263 : Clinical Dental Hygiene 4**

Focuses on assessing, planning, implementing, and evaluating dental hygiene care on clinic clients. Develops clinical competency and skills. (Letter grade only.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

DH 262 and DH 262C, both with grade C or better.

**Corequisites**

DH 263C

**DH 263C : Clinical DH 4**

Develops clinical skills on assessing, planning, implementing, and evaluating dental hygiene care on clinic clients. Develops clinical competency and skills. (Letter grade only.)

**Credits 4**

**Teaching Equivalent 7.50**

**Clinical Hours 180**

**Prerequisites**

DH 262 and DH 262C, both with grade C or better.

**Corequisites**

DH 263

**DH 264 : Community Dental Health**

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.)

**Credits 2**

**Lecture Hours 30**

**Teaching Equivalent 2.00**

**Prerequisites**

Admission to Dental Hygiene Program.

**DH 265 : Law and Ethics in Dental Hygiene**

Describes ethics, jurisprudence, and practice aspects of dental hygiene practice. Discovers employment opportunities. Discusses resumes, interviewing, and office policies. (Letter grade only.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

Admission to Dental Hygiene program.

**DH 266 : Local Anesthesia and Pain Control**

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. (Letter grade only.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

DH 155 and DH 256, both with grade C or better.

**Corequisites**

DH 266C

**DH 266C : Local Anesthesia and Pain Control Clinic**

Develops clinical experience with; 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.)

**Credits 1**

**Teaching Equivalent 1.88**

**Clinical Hours 45**

**Prerequisites**

DH 155 and DH 256, both with grade C or better.

**Corequisites**

DH 266

### **DH 267 : Dental Radiology and Interpretation**

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 expands 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.)

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

#### **Prerequisites**

Admission to Dental Hygiene Program.

#### **Corequisite Courses**

[DH 158: Anatomical Sciences](#)

[DH 267L: Dental Radiology & Interpretation Lab](#)

### **DH 267L : Dental Radiology & Interpretation Lab**

Develops laboratory experience providing students with the following techniques in preparation and utilization of: 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. Identifies anatomic landmarks, intraoral, short-cone radiographic techniques in bitewing, periapical, full mouth and occlusal surveys. Introduces and expands 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. Demonstrates traditional methods of x-ray exposure including digital technique. Includes clinical lab experience of exposing and interpreting radiographs on clients. (Letter grade only.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

#### **Prerequisites**

Admission to Dental Hygiene Program.

#### **Corequisite Courses**

[DH 158: Anatomical Sciences](#)

[DH 267: Dental Radiology and Interpretation](#)

## Digital Media

### **DMED 193v : Digital Media Internship I**

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.

**Credits** 1-3

**Lecture Hours** 1

#### **Recommended Prep**

ICS 102 and ENG 100.

#### **Prerequisites**

ICS 161, and consent of instructor and Co-op coordinator.

### **DMED 293v : Digital Media Internship II**

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.

**Credits** 1-3

**Lecture Hours** 1

#### **Recommended Prep**

MATH 100 or MATH 107, and BUS/COM 130.

#### **Prerequisites**

DMED 193v, ENG 100, and consent.

## Early Childhood Education

### Learning Outcomes

1. Use knowledge of child development and of individual children to create healthy, challenging learning environments and experiences
2. Build respectful partnerships with children, families, and their communities.



3. Observe, document and assess children's development and learning in partnership with families.
4. Build positive relationships and guide children through supportive interactions.
5. Plan, implement, and assess learning experiences using appropriate content, concepts, and methods.
6. Base decisions and actions on ethical and other professional standards.
7. Advocate for children and their families within the program.

**ECED 105 : Introduction to Early Childhood Education**

Introduces and explores the nature of the field of early childhood education and care.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ENG 22 with grade C or better, or placement at least ENG 100, or consent.

**ECED 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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**ECED 115 : Health, Safety, and Nutrition for the Young Child**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ECED 131 : Early Childhood Development: Theory into Practice**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ECED 140 : Guiding Young Children in Group Settings**

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.)

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Recommended Prep**

ECED 131.

**Prerequisites**

ENG 22 with grade C or better or placement in ENG 100 or consent.

**ECED 170 : Introduction to Working with Infants and Toddlers**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ENG 22 with grade C or better, or placement at least ENG 100, or consent.

**ECED 175B : Introduction to Home Visiting**

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.

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**ECED 175C : Home Visiting: Assessment & Recordkeeping**

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.

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**ECED 175D : Home Visiting: Professionalism**

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.

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**ECED 193 : Early Childhood Field Experience IA**

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)

(Cannot be audited.) (Formerly ECED 190)

**Credits 4**

**Lecture Hours 8**

**Teaching Equivalent 4.00**

**Designation**

IN

**Recommended Prep**

ECED 105.

**Prerequisites**

Permission of instructor; and ECED 110 and ECED 131, both with grade C or better, and ENG 22 or placement at ENG 100. Note: Students may be required to obtain a physical or doctor's note and to be fingerprinted, all at the student's expense.

**ECED 194 : Early Childhood Field Experience IB**

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.)

**Credits 4**

**Lecture Hours 15**

**Recommended Prep**

ECED 105.

**Prerequisites**

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. Note: Students may be required to obtain a physical or doctor's note and to be fingerprinted all at the student's expense.

**ECED 245 : Child, Family, and Community**

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.)

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Recommended Prep**

ECED 105.

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ECED 263 : Language and Creative Expression Curriculum**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ECED 110, ECED 131, and ENG 100, all with grade C or better, or consent.

**ECED 264 : Inquiry and Physical Curriculum**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ECED 110, ECED 131, and ENG 100, all with grade C or better, or consent.

**ECED 275 : Inclusion of Children with Special Needs**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ECED 131 and ENG 100, both with grade C or better, or consent.

**ECED 281 : Early Childhood Program Administration 1**

Examines and analyzes early childhood curriculum and environments; staff development including hiring, grievance, and hiring policies; and various ways an administrator can be an advocate for children and families by understanding and utilizing the decision making processes at the county, state and federal levels. (Formerly ECED 281BCD)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ECED 282 : Early Childhood Program Administration 2**

Provides an overview of the role and responsibilities of an early childhood administrator. Examines licensing and it's role; organizations; principles of profit and non-profit management; and budgeting and financial planning. Analyzes operating policies, record keeping, and staff and child evaluations. (Formerly ECED 282BCD)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better or placement at ENG 100, or consent.

**ECED 295 : Early Childhood Field Experience II**

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.)

**Credits** 4

**Lecture Hours** 15

**Recommended Prep**

ECED 115.

**Prerequisites**

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. Note: Students may be required to obtain a physical or doctor's note and to be fingerprinted, all at student's expense.

## Economics

**ECON 120 : Introduction to Economics**

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. \*Note: 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ECON 130 : Principles of Economics: Microeconomics\***

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. \*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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DS

**Prerequisites**

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.

**ECON 131 : Principles of Economics: Macroeconomics\***

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. \*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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DS

**Prerequisites**

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.

**ECON 150 : Personal Finance**

Introduces financial planning, money management and tax planning. Includes financing real and personal property, purchasing insurance and managing investments. (Crosslisted as BUS 150.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DS

**Prerequisites**

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.

# Electrical Engineering

**EE 160 : Programming for Engineers**

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. (Letter grade only.)

**Credits 4****Lab Hours 45****Lecture Hours 45****Teaching Equivalent 5.00****Designation**

DP

**Prerequisites**

MATH 241 with grade C or better (or concurrent), or consent.

**EE 211 : Basic Circuit Analysis I**

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. (Letter grade only.)

**Credits 4****Lab Hours 45****Lecture Hours 45****Teaching Equivalent 5.00****Designation**

DP

**Prerequisites**

MATH 243 and PHYS 272, both with grade C or better (or concurrent), or consent.

# Electricity

## **ELEC 100 : Survey of Electrical Math and Physics**

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)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Prerequisites**

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.

## **ELEC 110 : Residential and Light Commercial Wiring**

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)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.50

### **Prerequisites**

ELEC 100, or consent.

# Electronics

## **ETRO 105 : Circuit Analysis I**

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.

**Credits** 4

**Lecture/Lab Credits** 120

**Teaching Equivalent** 6.67

### **Prerequisites**

ENG 22 with grade C or better or placement at ENG 100, and MATH 82 with grade C or better or placement at MATH 103 or higher, or consent.

## **ETRO 106 : Circuit Analysis II**

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.

**Credits** 4

**Lecture/Lab Credits** 120

**Teaching Equivalent** 6.67

### **Prerequisites**

ETRO 105 with grade C or better, or consent.

## **ETRO 140 : Fundamentals of Computer Networking**

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.

**Credits** 4

**Lecture/Lab Credits** 120

**Teaching Equivalent** 6.67

### **Recommended Prep**

ICS 111 and MATH 115.

### **Prerequisites**

ETRO 105 and MATH 103(or higher), both with grade C or better, or consent.

## **ETRO 161 : Intro Optics & Photonics**

Introduces the physics of light, geometric optics, lenses, and mirrors. Studies interference, diffraction, and polarization phenomena. Applies theory to laser physics, optical imaging, and bi-photonics. Provides lab experiments and projects to reinforce the theory.

**Credits** 3

**Lecture/Lab Credits** 90

**Teaching Equivalent** 5.00

### **Prerequisites**

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.

**ETRO 193v : Internship**

Introduces the student to the workplace, 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.)

**Credits 1**

**Lecture Hours 75**

**Prerequisites**

ETRO 105 with grade C or better, or consent.

**ETRO 201 : Digital Computer Technology I**

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.

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 6.67**

**Prerequisites**

ETRO 105 with grade C or better, or consent.

**ETRO 205 : Digital Computer Technology II**

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.

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 6.67**

**Prerequisites**

ETRO 201 and MATH 103 (or higher), both with grade C or better; or consent.

**ETRO 210 : Electronic Technology I**

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.

**Credits 3**

**Lecture/Lab Credits 90**

**Teaching Equivalent 5.00**

**Prerequisites**

ETRO 105 and MATH 103 (or higher), both with grade C or better; or consent.

**ETRO 212 : Electronic Technology II**

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.

**Credits 3**

**Lecture/Lab Credits 90**

**Teaching Equivalent 5.00**

**Prerequisites**

ETRO 210 with grade C or better, or consent.

**ETRO 240 : Computer Networking II**

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.

**Credits 4**

**Lecture/Lab Credits 120**

**Teaching Equivalent 6.67**

**Prerequisites**

ETRO 140 with grade C or better, or consent.

**ETRO 296 : Capstone Project I**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

ETRO 106, and either ICS111 or EE 160, and MATH 103 (or higher), all with grade C or better; or consent.

**ETRO 297 : Capstone Project II**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

ETRO 296 with grade C or better, or consent.

# Energy

**ENRG 101 : Introduction to Sustainable Technology**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Recommended Prep**

ICS 101 or BUSN 150, and placement at ENG 100.

**Prerequisites**

ENG 19 with grade C or better or placement at least ENG 22, and MATH 75X or placement at least MATH 82, or consent.

**ENRG 103 : Energy Production Systems**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Recommended Prep**

ENG 100.

**Prerequisites**

ENRG 101 (or concurrent), or consent.

**ENRG 193v : Internship in Sustainable Technology**

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.)

**Credits 1-4****Lecture Hours 75****Recommended Prep**

ENG 100, and ICS 101 or BUSN 150.

**Prerequisite or Corequisite**

ENRG 101, 102, 103, 104, or 105, and consent.

# English

**ENG 10 : Reading & Writing Fundamentals**

Develops fundamental writing, reading, and study skills. (A-F, N, W grades only.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

Placement for English language fundamentals, or consent.

**ENG 19 : Writing Essentials**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 10, or placement at ENG 19, or consent.

**ENG 21 : Intro to College Reading**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 19 with grade C or better, or placement at ENG 21, or consent.

**ENG 22 : Intro to Composition**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 19 with grade C or better, or placement at ENG 22, or consent.

**ENG 98 : Composition I****Supplement**

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.)

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Recommended Prep**

ENG 19 with grade A, or completion of high school English composition course with grade C or better.

**Prerequisites**

ENG 19 with grade C or better, or placement at ENG 22, or consent.

**Corequisites**

ENG 100.

**ENG 100 : Composition I**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FW

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ENG 102 : College Reading Skills**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 21 with grade C or better, or placement at ENG 100 or 102, or consent.

**ENG 104 : Introduction to Creative Writing**

Explores the principles and practice of creative writing through readings and composition in several major genres.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

ENG 100 with grade C or better, or consent.



**ENG 106 : Report Writing**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**ENG 200 : Composition II**

Expands and deepens composition skills from ENG 100 (Composition I). Prepares students for upper-division study and research in a variety of academic fields. Studies and practices advanced skill in academic writing, reading, and research with emphasis on research strategies, critical analysis of texts, and self-assessment of the rhetorical impact of one's writing. Students produce at least one substantial research project in the course. (Formerly ENG 210.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 204A : Fiction Writing**

Studies and practices creative strategies to produce and revise works of fiction.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

ENG 104 with grade of C or better, or consent.

**ENG 204B : Poetry Writing**

Studies and practices creative strategies to produce and revise works of poetry.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Prerequisites**

ENG 104 with grade of C or better, or consent.

**ENG 204C : Introduction to Screenwriting**

Introduces the basics of writing short narrative screenplays for film or animation. Students learn the fundamentals and format of screenwriting as well as basic elements of story and character development.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Recommended Prep**

ENG 104 or CM 119

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 209 : Business & Managerial Writing**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 225 : Writing for Science and Technology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

Successful completion of a science laboratory course.

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 250 : American Literature**

Studies major works of American fiction, non-fiction, drama, and poetry.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 251 : Major Works of British Literature to 1800**

Studies major works of British fiction, non-fiction, poetry, and drama from the Middle Ages to 1800. Note: The courses ENG 251-256 and ENG 257EFR satisfy the 6-credit requirement for sophomore literature at the University of Hawai'i, a prerequisite for upper division English courses.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 252 : Major Works of British Literature after 1800**

Studies major works of British fiction, non-fiction, drama, and poetry from 1800 to the present. Note: The courses ENG 251-256 and ENG 257EFR satisfy the 6-credit requirement for sophomore literature at the University of Hawai'i, a prerequisite for upper division English courses.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 254 : World Literature (Western)**

Studies and analyzes literary works of Western cultures from ancient times to present. Note: The courses ENG 251-256 and ENG 257EFR satisfy the 6-credit requirement for sophomore literature at the University of Hawai'i, a prerequisite for upper division English courses.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 255 : Types of Literature**

Studies, analyzes, and critiques major European and American short stories and novels. Note: The courses ENG 251-256 and ENG 257EFR satisfy the 6-credit requirement for sophomore literature at the University of Hawai'i, a prerequisite for upper division English courses.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 257 : Themes in Literature: Special Topics**

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. Note: The courses ENG 251-256 and ENG 257EFR satisfy the 6-credit requirement for sophomore literature at the University of Hawai'i, a prerequisite for upper division English courses.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 257E : Themes in Literature: Literature of Hawai'i**

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. Note: The courses ENG 251-256 and ENG 257EFR satisfy the 6-credit requirement for sophomore literature at the University of Hawai'i, a prerequisite for upper division English courses.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

**ENG 316 : Advanced Research Writing**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DL

**Recommended Prep**

ENG 200 or 225 preferred.

**Prerequisites**

ENG 209 or 200 or 225, any with grade of C or better; or consent.

## Facilities Management

**FMGT 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)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.50

**FMGT 120 : Introduction to Project Management**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 100 with grade C or better, and MATH 75X with grade C or better or placement at least MATH 100, or consent.

**FMGT 200 : Mechanical Systems Design and Construction**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 100 with grade C or better, and MATH 75X with grade C or better or placement at least MATH 100, or consent.

**FMGT 201 : Facilities Operations and Leadership**

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.

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Prerequisites**

FMGT 120, or consent.

## Fashion Technology

**Learning Outcomes**

1. Demonstrate satisfactory proficiency in fundamentals of constructing a garment including terminology, tools and supplies; pattern identification; taking and calculating measurements; pattern alteration, layout and cutting; sewing construction and garment fitting.
2. Demonstrate satisfactory understanding of design concepts and proficiency in conveying design ideas onto paper including identifying and sketching design details accurately and in proportion to the figure or object.
3. Demonstrate satisfactory proficiency in principles of pattern making, including terminology, use of tools, and process of pattern development.
4. Demonstrate satisfactory proficiency in terminology, principles and skill sets relevant to special topic courses.

5. Demonstrate satisfactory proficiency in the safe operation of sewing machines and equipment.
6. Demonstrate satisfactory understanding of textile characteristics and end use.
7. Demonstrate satisfactory understanding of principles of starting a small business.

**FT 90v : Special Topics in Fashion Technology**

Provides knowledge and training in new techniques and/or specialized areas in the sewing industry that are not included in the basic fashion technology curriculum. (May be repeated without limit for credit.)

**FT 90v, 190v, 290v : Topic: Advanced Fashion Illustration**

Studies advanced illustration techniques for drawing the fashion figure. Stresses development of each student's individual style of fashion illustration.

**Credits** 3

**Lab Hours** 45

**Lecture Hours** 30

**Teaching Equivalent** 3.13

**Prerequisites**

FT 216, or consent.

**FT 90v, 190v, 290v : Topic: Sewing Activewear**

Provides specialized training in the design and construction techniques used in the development of active sportswear. Stresses ready-to-wear production techniques.

**Credits** 3

**Lab Hours** 45

**Teaching Equivalent** 3.13

**Prerequisites**

FT 113 and FT 115, or consent.

**FT 90v, 190v, 290v : Topic: Home Furnishings**

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.

**Credits** 3

**Lab Hours** 45

**Teaching Equivalent** 3.13

**Prerequisites**

FT 25, or consent.

**FT 90v, 190v, 290v : Topic:****Draping**

Introduces the fundamentals of draping on the standard dress form. Practices interpretation of design details through draping.

**Credits** 3

**Lab Hours** 45

**Teaching Equivalent** 3.13

**Prerequisites**

FT 215, or consent.

**FT 113 : Clothing Construction I**

Introduces sewing tools and equipment. Treats selection and adjustment of basic commercial patterns and construction of clothes from these patterns to fit figures. (Letter grade only.)

**Credits** 3

**Lab Hours** 45

**Lecture Hours** 30

**Teaching Equivalent** 3.13

**Corequisite Courses**

[FT 115: Clothing Construction II](#)

**FT 115 : Clothing Construction II**

Explores custom sewing techniques using various kinds of fabrics. Emphasizes accuracy and neatness in pattern alteration and garment construction. (Letter grade only.)

**Credits** 3

**Lab Hours** 45

**Lecture Hours** 30

**Teaching Equivalent** 3.13

**Corequisite Courses**

[FT 113: Clothing Construction I](#)

**FT 130 : Ready-To-Wear Clothing Production**

Explores efficient and economical techniques in fabric layout, cutting, and sewing. Offers practice in aloha shirt and blouse construction. (Letter grade only.)(Formerly FT 25.)

**Credits** 3

**Lab Hours** 45

**Lecture Hours** 30

**Teaching Equivalent** 3.13

**FT 190v : Special Topics in Fashion Technology**

Provides knowledge and training in new techniques and/or specialized areas in the sewing industry that are not included in the basic fashion technology curriculum. (May be repeated without limit for credit.)

**Credits** 3

**FT 215 : Flat Pattern Making I**

Introduces principles of pattern making for women's apparel through the manipulation of basic slopers. (Letter grade only.)

**Credits** 3

**Lab Hours** 45

**Lecture Hours** 30

**Teaching Equivalent** 3.13

**Prerequisites**

FT 113 and FT 115, both with grade C or better; or consent.

**Corequisites**

FT 217.

**FT 216 : Fashion Illustration**

Demonstrates principles and techniques of sketching the fashion figure including garment details and fabric drape. Encourages the development of a personal style of illustration. Introduces the use of computers in illustration. (Letter grade only.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**FT 217 : Flat Pattern Making II**

Explores garment development using a personal full size sloper as a foundation for pattern making. Emphasizes application of flat pattern principles and garment construction techniques appropriate to the design. (Letter grade only.)

**Credits** 3

**Lab Hours** 45

**Lecture Hours** 30

**Teaching Equivalent** 3.13

**Prerequisites**

FT 113 and FT 115, both with grade C or better; or consent.

**Corequisite Courses**

[FT 215: Flat Pattern Making I](#)

**FT 221 : Textiles I**

Introduces fibers, fabric structure, and finishes related to selection and care. Interrelationship between textile characteristics, properties, and end uses. (Letter grade only.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100; or consent.

**FT 237 : Pattern Grading**

Principles of proportionally increasing or decreasing a master pattern according to a prescribed set of body measurements. Applications include basic, intermediate and advanced designs. Includes use of the grading machine. (Letter grade only.)

**Credits** 3

**Lab Hours** 45

**Lecture Hours** 30

**Teaching Equivalent** 3.13

**Prerequisites**

FT 215 with grade C or better, or consent.

**FT 240 : Sewing Knit Fabrics**

Explores working with a variety of knit textiles. Analyzes tools, equipment, supplies and methods of garment construction specific to knits with varying degrees of stretch. (Letter grade only.)

**Credits** 3

**Lecture Hours** 45

**Teaching Hours** 30

**Teaching Equivalent** 3.13

**Prerequisites**

FT 113 and FT 115, both with grade C or better; or consent. A portable sewing machine with straight and zigzag feature in working condition.

**FT 290v : Special Topics in Fashion Technology**

Provides knowledge and training in new techniques and/or specialized areas in the sewing industry that are not included in the basic fashion technology curriculum. (May be repeated without limit for credit.)

## 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.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Designation**

HSL

**FIL 102 : Beginning Filipino II**

Continues FIL 101. Includes speaking, listening, reading, and writing skills of basic Tagalog.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Designation**

HSL

**Prerequisites**

FIL 101, or consent.

**FIL 261 : Philippine Literature**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

## Finance

**FIN 311 : Investments**

Introduces various investment media and capital markets. Topics include the analysis of security returns using techniques such as beta, filter rules, and portfolio theory.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

BUS 310 and 318 both with grade C or better, or consent.

## Food Science & Human Nutrition

**FSHN 185 : Food Science and Human Nutrition**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**FSHN 285 : The Science of Human Nutrition**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

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.

# Geographic Information Systems

## **GIS/ICS 150 : Introduction to GIS/ GPS**

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.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

### **Recommended Prep**

Familiarity with computer databases.

### **Prerequisites**

ICS 101 or BUSN 150, either with grade C or better, or consent.

## **GIS 180 : GIS in Ecosystem Management**

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.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

### **Prerequisites**

GIS/ICS 150 with grade C or better, or consent.

# Geography

## **GEO 101 : The Natural Environment**

Surveys the natural environment: weather, climate, soil, vegetation, and landforms, with emphasis on Hawai'i. Lab optional.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

### **Designation**

DP

## **GEO 101L : The Natural Environment Laboratory**

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.

**Credits 1**

**Lab Hours 45**

**Teaching Equivalent 2.50**

### **Designation**

DY

### **Prerequisites**

GEO 101 (or concurrent), or consent.

## **GEO 102 : World Regional Geography**

Surveys the world's major cultural regions. Explores economic, environmental, social, and political conditions from a geographical perspective.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

### **Designation**

FGB

### **Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

# Geology & Geophysics

## **GG 101 : Introduction to Geology**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

### **Designation**

DP

### **Prerequisites**

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.

## **GG 101L : Introduction to Geology Lab**

Laboratory to accompany GG101 or GG103.

**Credits 1**

**Lab Hours 45**

**Teaching Equivalent 2.50**

### **Designation**

DY

### **Prerequisites**

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.

**GG 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DP

## Hawaiian

**HAW 100 : Language in Hawai'i: A Microcosm of Global Language Issues**

Introduces students to essential linguistic features of Hawaiian and language related issues enhancing communicative experience in Hawai'i. Analyzes social, cultural, political, and linguistic cross-cultural interaction locally and globally.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FGB

HI

**HAW 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.

**Credits** 4

**Lecture Hours** 45

**Lecture/Lab Credits** 30

**Teaching Equivalent** 4.17

**Designation**

HI

**HAW 102 : Elementary Hawaiian II**

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.

**Credits** 4

**Lecture Hours** 45

**Lecture/Lab Credits** 30

**Teaching Equivalent** 4.17

**Designation**

HI

**Prerequisites**

HAW 101, or consent.

**HAW 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DA

**HAW 201 : Intermediate Hawaiian I**

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.

**Credits** 4

**Lecture Hours** 45

**Lecture/Lab Credits** 30

**Teaching Equivalent** 4.17

**Designation**

HI

**Prerequisites**

HAW 102, or consent.

**HAW 202 : Intermediate Hawaiian II**

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.

**Credits** 4

**Lecture Hours** 45

**Lecture/Lab Credits** 30

**Teaching Equivalent** 4.17

**Designation**

HI

**Prerequisites**

HAW 201, or consent.

**HAW 221 : Hawaiian Conversation**

Practices systematic control of spoken Hawaiian. Further develops vocabulary for accurate, mature expression.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

**Prerequisites**

HAW 202, or consent.

**HAW 261 : Hawaiian Literature in Translation**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DL

**Prerequisites**

ENG 100 with grade C or better, or consent.

## Hawaiian Studies

Learning Outcomes

1. Apply aboriginal Hawaiian concepts, knowledge, and methods to the areas of science, humanities, arts, and social sciences - in academics and in other professional endeavors.
2. Engage, articulate, and analyze topics relevant to the Aboriginal Hawaiian community using college-level research and writing methods.
3. Describe aboriginal Hawaiian linguistic, cultural, historical, and political concepts.

**BOT 105/HWST 211 : 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. Meets Social Science requirement, not Natural Science requirement.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DS

**HWST/MUS 176 : History and Development of Hawaiian Music**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DH

**Prerequisites**

HAW 101 and HWST 107, both with a grade C or better, or consent.

**HWST 100B : Intro to Hawaiian Culture: Communication-Basic Language and Phrases**

Develops correct pronunciation and usage of basic Hawaiian language and phrases.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Designation**

HI

DH

**HWST 100C : Intro to Hawaiian Culture: Worldwide-Values, Folklore, and Cultural Practices**

Provides an orientation to traditional and contemporary Hawaiian practices and values.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Designation**

HI

DH

**HWST 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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Designation**

HI

DH

**HWST 107 : Hawai'i: Center of the Pacific**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DH

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**HWST 111 : The Hawaiian 'Ohana**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DH

**Prerequisites**

HWST 107 with grade C or better, or consent.



**HWST 132 : Hula 'O ʻIapa  
(Foundational Hawaiian Dance)**

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.

**Credits 2**

**Lecture Hours 15**

**Lecture/Lab Credits 30**

**Teaching Equivalent 2.50**

**Designation**

HI

DH

**Prerequisites**

HAW104 with grade C or better, or instructor consent.

**HWST 133 : Hula 'Auana  
(Contemporary Hawaiian Dance)**

Studies contemporary Hawaiian dance from post-contact, Monarchy era and contemporary Hawai'i. Students will be introduced to hula instruments, costume and adornments appropriate to hula 'auana and beginning choreography.

**Credits 2**

**Lecture Hours 15**

**Lecture/Lab Credits 30**

**Teaching Equivalent 2.50**

**Designation**

DH

HI

**Prerequisites**

HAW 104 with grade C or better, or consent.

**HWST 205 : Hawaiian Music in  
Action A Mele 'Āina E Mele Pili  
Kanaka I Other**

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.)

**Credits 2**

**Lecture Hours 15**

**Lecture/Lab Credits 30**

**Teaching Equivalent 2.50**

**Designation**

HI

DA

**Prerequisites**

HAW 102, or consent.

**HWST 207 : Mālama Ahupua'a:  
Resource Management**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Designation**

DH

HI

**Prerequisites**

HWST 107 with grade C or better, or consent.

**HWST 211L : Hawaiian  
Ethnobotany Lab**

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.)

**Credits 1**

**Lab Hours 45**

**Teaching Equivalent 2.50**

**Designation**

DY

**Prerequisites**

HWST 211 or BOT 105, either with a C or better (or concurrent).

**HWST 213 : Hawaiian  
Ethnozoology**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Designation**

HI

DH

**Prerequisites**

HAW 101, or consent.

**HWST 222 : Ma‘awe: Hawaiian Fiber Arts**

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.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

HI

DA

**Prerequisites**

HWST 211 or BOT 105, either with grade B or better, or consent.

**HWST 231 : Native Perspectives on Hawaiian Culture**

Explores Native Hawaiian culture from traditional times to present. Examines values, social relationships, religion, traditional practices and arts.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

HI

DH

**Prerequisites**

HWST 101, or HWST 100BCD, or HWST 107, any with grade C or better, or consent.

**HWST 241 : He Mooalii No Ihikapalaumaewa: Maui Genealogies**

Identifies and analyzes Maui chiefly genealogies, related histories, and wahi pana or significant places.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DH

HI

**Prerequisites**

HWST 107 with grade C or better, or consent.

**HWST 262 : Pana Maui: Maui's Sacred Hawaiian Places**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

HI

DH

**Prerequisites**

HWST 107 or 111 or 270; and HAW 102; or consent.

**HWST 270 : Hawaiian Mythology**

Surveys the gods, ‘aumākua, kūpua, mythical heroes, heroines, and their kinolau as the basis of traditional Hawaiian metaphor.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

HI

DH

**Prerequisites**

HWST 107 or HAW 102, or consent.

**HWST 286 : Kaho‘olawe: Aloha ‘Āina**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

HI

DH

**Prerequisites**

HWST 107 or 231, either with grade C or better, or consent

**HWST 289 : He Mele Kumulipo: Hawai'i's Song of Creation**

Analyzes the Kumulipo, a Hawaiian creation song that encompasses the creation of the universe, earth, plants, animals, and humans. Identifies and analyzes Hawaiian histories, concepts, philosophies, and genealogies.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DH

HI

**Prerequisites**

HWST 107 with grade C or better, or consent.

### **HWST 291 : Modern Issues in Hawai'i**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DH

**Prerequisites**

HWST 107 and ENG 100, both with grade C or better, or consent.

## Health

### **HLTH 122 : Introduction to Physical Therapy Support Skills**

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. (Letter grade only.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

Certificate of Competence for Therapeutic Activity Aide I, or consent.

### **HLTH 125 : Survey of Medical Terminology**

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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Prerequisites**

ENG 19 with grade C or better or placement at least ENG 22, or consent.

### **HLTH 129 : Terminology for Health Careers**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisite or Corequisite**

BIOL 100 and NURS 100, both with grade C or better, or consent.

### **HLTH 150 : Introduction to the Study of Disease**

Introduces basic concepts and characteristics of the disease processes. Discusses diseases related to specific body systems.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Prerequisites**

ENG 19 with grade C or better or placement at least ENG 22, or consent.

## History

### **HIST 151 : World History to 1500**

A global and historical survey focusing on human societies and cross-cultural interactions to 1500 CE.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FGA

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100; or consent.

### **HIST 152 : World History Since 1500**

A global and historical survey focusing on human societies and cross-cultural interactions since 1500 CE.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FGB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100; or consent.

### **HIST 241 : Civilizations of Asia I**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Prerequisites**

ENG 100 (or concurrent), or consent.

**HIST 242 : Civilizations of Asia II**

Surveys the impact of Western civilization upon major civilizations of Asia and the Asian response to this impact.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Prerequisites**

ENG 100 (or concurrent), or consent.

**HIST 253 : Contemporary World History**

Examines the political, cultural, economic, and technological history of the world from the end of WWII to the present.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Recommended Prep**

HIST 152.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**HIST 281 : Introduction to American History**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Prerequisites**

ENG 100 (or concurrent), or consent.

**HIST 282 : Introduction to American History**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Prerequisites**

ENG 100 (or concurrent), or consent.

**HIST 283 : U.S. Women's History**

Examines the broad factors that have shaped women's lives in the United States from the pre-colonial period to the present.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Recommended Prep**

[ENG 100](#) with grade C or better.

**Prerequisites**

[HIST 151](#) or [HIST 152](#), either with a grade C or better, or consent.

**HIST 284 : History of the Hawaiian Islands**

Surveys the history of the Hawaiian Islands from Polynesian chiefdoms to Hawaiian Kingdom to American territory and state.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DH

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100; or consent.

**HIST 288 : History of the Pacific Islands**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Recommended Prep**

HIST 152 or ANTH 200.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

## Hospitality & Tourism

Learning Outcomes

1. Demonstrate essential hospitality operations and management skills, including accounting, marketing, and information technology.
2. Communicate effectively with guests and co-workers through writing, speech, listening and non-verbal expression appropriate for the hospitality workplace.
3. Assess personal work performance through various lenses, including Hawaiian cultural values, multicultural "global" perspectives, ethical reasoning, legal principles, and sustainability.
4. Demonstrate essential workplace skills in food and beverage, front office, and housekeeping operations
5. Communicate effectively in a customer service environment

**HOST 100 : Career and Customer Service Skills**

Focuses on the strategies and skills related to career success and customer satisfaction in the Hospitality & Tourism industry.

**Credits** 3

**Lecture/Lab Credits** 60

**Teaching Equivalent** 3.33

**Recommended Prep**

Placement at ENG 100.

**HOST 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**HOST 150 : Housekeeping Operations**

Studies the professional management of housekeeping operations including practical applications and management skills required to ensure quality, service and effective performance.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

HOST 101 with grade C or better.

**HOST 152 : Front Office Operations**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

HOST 101 with grade C or better.

**HOST 154 : Food & Beverage Operations**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

HOST 101 with grade C or better.

**HOST 258 : Hospitality Marketing**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

HOST 101 with grade C or better, and ENG 22 with grade C or better or placement at ENG 100, or consent.

**HOST 260 : Hospitality Law**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

HOST 101 with grade C or better, and ENG 22 with grade C or better or placement at ENG 100, or consent.

**HOST 261 : Events Management**

Prepares students to plan and administer successful functions, special events, meetings and conventions. Students explore topics such as exhibitions, convention programming, festivals, venue selection, social events, catering needs, sustainability, technology, careers and staffing, event marketing, design and decor, and current trends.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

Placement at ENG 100.

**Prerequisites**

HOST 101 with grade C or better, or consent.

**HOST 280 : Hospitality Management**

Examines the key principles of management in the hospitality industry. Focuses on leadership skill building 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)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

HOST 101 with grade C or better, and ENG 22 with grade C or better or placement at ENG 100, or consent.

**HOST 293 : Hospitality & Tourism Internship**

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)

**Credits** 3

**Lecture Hours** 225

**Prerequisites**

HOST major; HOST 100 with grade C or better, or consent.

**HOST 294 : Hospitality and Tourism Internship Abroad**

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. *(Cannot be audited.)*

**Credits** 3

**Lecture Hours** 225

**Prerequisites**

HOST major; HOST 100 with grade C or better; or consent.

**HOST 394v : Hospitality and Tourism International Internship**

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.)

**Credits** 1-3

**Lecture Hours** 200

**Prerequisites**

Consent.

## Human Development & Family Studies

**HDFS 230 : Human Development**

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)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 22 or higher, or consent.

## Human Services

**Learning Outcomes**

1. Demonstrate the interpersonal and communication skills needed to build appropriate, collaborative, and respectful relationships with clients and colleagues.
2. Apply key human services attitudes, skills, and knowledge to meet the needs of diverse populations in various practice settings.
3. Identify vulnerable populations and the social conditions that contribute to their vulnerability, and describe advocacy strategies to help alleviate those conditions.
4. Demonstrate awareness of personal values, professional strengths and challenges, and professional ethical guidelines.

**HSER 101 : Community Health Worker Fundamentals**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**HSER 110 : Introduction to Human Services**

Provides an overview of the Human Services field, including history of and perspectives on intervention and prevention. Emphasizes self-awareness and examines the attitudes, values, knowledge, and skills necessary for a career in Human Services. Includes a focus on local community resources and practice settings as well state and federal programs.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**HSER 111 : Community Action**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**HSER 130 : Introduction to Youth Practitioner**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**HSER 140 : Individual Counseling**

Provides an introduction to counseling skills and theory. Learners will practice interviewing and micro-skills through role-plays and be exposed to theories of counseling, assessment, and intervention, as well as ethical guidelines for work in the field of human services and the helping professions.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

HSER 101 or HSER 110.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**HSER 145 : Working with Older Adults**

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".

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

HSER 101 or 110.

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**HSER 194 : Seminar & Fieldwork I**

Provides field experience through an internship at a local human services agency. Includes weekly seminar to provide student with the opportunity to discuss fieldwork experiences.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

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.

**HSER 240 : Introduction to Motivational Interviewing**

Introduces the theoretical and practical skills of Motivational Interviewing including the identification and development of skills and strategies across diverse practice contexts and populations.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

HSER 140 with grade C or better, or consent.

**HSER 245 : Group Counseling**

Includes theoretical and experiential training in facilitating groups. Designed to encourage understanding and skill development in selecting group members, establishing group norms and goals, and attending to ethical codes of conduct. Skill development includes setting group climate, developing group activities, promoting group and individual growth, and making appropriate group interventions with attention to special populations. Learners will be members of an in-class group and will be co-facilitating a group.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

HSER 140; HSER 101 or 110.

**Prerequisites**

ENG 22 with a grade C or better, or placement at ENG 100, or consent.

**HSER 248 : Case Management**

Provides a systems-based orientation to the development of knowledge and skills needed to become a case manager in health and human services. Incorporates an ethical, culturally appropriate, strength-based, and client-centered approach. Skill development includes intake, assessment, service planning, care coordination, discharge planning, referral, advocacy, and documentation.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

HSER 140 with grade C or better, or consent.

**HSER 256 : Dynamics of Family Violence & Sexual Assault**

Promotes knowledge, skills, sensitivity, and self-care practices for engaging individuals and families affected by interpersonal violence. Examines historical, societal, and legal responses and resources. Content focuses on physical, emotional, and sexual victimization of vulnerable populations such as children, elders, and LGBTQ+. Addresses dating violence, human trafficking, and intimate partner violence. Examines current research on social, economic, cultural, family, and individual risk factors, perpetrator dynamics, effects of violence on victims and survivors, and effective intervention and prevention strategies. Learners have an opportunity to explore their own values and feelings in relation to a difficult subject matter.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Recommended Prep**

HSER 110.

**Prerequisites**

ENG 100 with grade C or better, or consent.

**HSER 268 : Survey of Substance Use Disorders**

Focuses on the continuum of substance use. Analyzes historical, societal, and cultural perceptions, and examines the impact of substance use and behavioral disorders on the individual, the family and the community. Reviews current trends, legal responses, and the effectiveness of various approaches utilized in the field.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**HSER 270 : Substance Use Disorder Counseling**

Provides theoretical and experiential training in the prevention, intervention, treatment, and aftercare approaches applicable to a diverse substance use disorder population. Identifies ethical and legal issues encountered in the field. Covers aspects of the counseling process, specifically the 12 Core Functions utilized by the substance use disorder counselor.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

HSER 140 with grade C or better, or consent.

**HSER 294 : Seminar & Fieldwork II**

Provides advanced, field experience through an internship at a local human services human services agency. Includes weekly seminar to provide students with the opportunity to discuss fieldwork experiences.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

Permission of instructor; and HSER 194 with grade C or better, and consent.

# 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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DH

**HUM 400 : Changes & Choices**

Explores ways in which the humanities can contribute to personal and work lives, especially as individuals face change and make decisions. Analyzes how individuals world-wide 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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DH

**Prerequisites**

ENG 316, or consent.

# 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.

**Credits 4****Lecture Hours 60****Teaching Equivalent 4.00**



**ILO 102 : Beginning Ilokano II**

Continues ILO 101. Includes speaking, listening, reading, and writing skills of basic Ilokano.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**Prerequisites**

ILO 101, or consent.

# Information and Computer Science

**GIS/ICS 150 : Introduction to GIS/ GPS**

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.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**Recommended Prep**

Familiarity with computer databases.

**Prerequisites**

ICS 101 or BUSN 150, either with grade C or better, or consent.

**ICS 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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**ICS 110 : Introduction to Computer Programming**

Provides an introduction to coding for anyone. Uses design strategies to create programs. Promotes an understanding of basic programming constructs, including control structure and object-oriented programming. The alpha suffix indicates technology such as: P - Python, C - C/C++, D - Animation/Java, M - Mobile, R - Robotics, G - Games, S - C#.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Recommended Prep**

Strongly recommend ICS 101.

**ICS 111 : Intro to Computer Science I**

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 compilers. Introduces programming concepts, algorithms, and problem solving techniques using high-level object-oriented programming languages. Meets ACM CS 1 course standards.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**Prerequisites**

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.

**ICS 141 : Discrete Mathematics for Computer Science I**

Provides instruction for logic, sets, functions, matrices, algorithmic concepts, mathematical reasoning, recursion, counting techniques, and probability theory.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

MATH 103 with grade C or better; or consent.

**ICS 169 : Introduction to Information Security**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ICS 101 with grade C or better, or consent.

**ICS 171 : Introduction to Computer Security**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

ICS 184 or ETRO 140, either with grade C or better(or concurrent), and ICS 169 with grade C or better, or consent.

**ICS 173 : Introduction to Data Science**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

MATH 115 with grade C or better, or consent.

**ICS 184 : Introduction to Networking**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ICS 101 with grade C or better, or consent.

**ICS 193v : Computer Science Internship I**

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.)

**Credits** 1-3

**Lecture Hours** 75

**Recommended Prep**

ETRO 105, and ENG 100.

**Prerequisites**

ICS 111, and consent of both instructor and Co-op coordinator.

**Corequisites**

Enrollment in ECET program and one or more ECET or ETRO courses.

**ICS 200 : Web Technology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ICS 110 with grade C or better, or consent.

**ICS 211 : Introduction to Computer Science II**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

MATH 135.

**Prerequisites**

ICS 111 with grade C or better, or consent.

**ICS 212 : Program Structure**

Focuses on organization paradigms, programming environments, implementation of a module from specifications, the C and C++ programming languages.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ICS 211 with grade C or better, or consent.

**ICS 225 : Introduction to Blockchain Technology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ICS 110 or ICS 111, either with grade C or better, or consent.

**ICS 241 : Discrete Mathematics for Computer Science II**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ICS 141 with grade C or better, or consent.

**ICS 251 : Introduction to Unix/Linux**

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.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Prerequisites**

ICS 101 with grade C or better, or consent.

**ICS 252 : Unix/Linux System Administration**

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.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Prerequisites**

ICS 251 with grade C or better, or consent.

**ICS 272 : Digital Imaging & Animation**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ICS 261 or ART 218, or consent.

**ICS 281 : Ethical Hacking**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

Either ICS 184 or ETRO 140, and ICS 169, both with grade C or better, or consent.

**ICS 282 : Computer Forensics**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

Either ICS 184 or ETRO 140, and ICS 169, both with grade C or better, or consent.

**ICS 283 : Advanced Computer Graphics Design**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ICS 261 or ART 218, or consent.

**ICS 285 : Digital Media Capstone**

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.

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Prerequisites**

ICS 283 and approval of DM faculty.

**ICS 293v : Computer Science Internship II**

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.)

**Credits** 1-3**Lecture Hours** 75**Prerequisites**

ICS 193v, or consent.

**ICS 320 : Introduction to Information Systems & E-Commerce**

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. (Letter grade only.)

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Prerequisites**

ICS 110 or ICS 111, either with grade C or better; or consent.

**ICS 360 : Database Design & Development**

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.

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Prerequisites**

ICS 320 with grade C or better, or consent.

**ICS 385 : Web Development and Administration**

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).

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Prerequisites**

ICS 320 with grade C or better, or consent.

**ICS 418 : Systems Analysis & Designs**

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.

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Prerequisites**

ICS 360 and ICS 385, both with grade C or better, or consent.

## Interdisciplinary Studies

**IS 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.

**Credits** 1**Lecture Hours** 15**Teaching Equivalent** 1.00

**IS 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.

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**IS 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.

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**IS 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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**IS 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.

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**IS 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.)

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**IS 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.

**Credits 2**

**Lecture Hours 30**

**Teaching Equivalent 2.00**

**IS 107 : College Orientation II**

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.

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**Prerequisite or Corequisite**

IS 106, or consent.

# Japanese

**JPN 101 : Elementary Japanese I**

Introduces speaking, listening, reading, and writing skills of beginning Japanese. Includes basic sentence structures. Daily practice highly recommended.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**JPN 102 : Elementary Japanese II**

Continues JPN 101. Introduces additional basic Japanese speaking, listening, reading, and writing sentence structures. Daily practice highly recommended.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**Prerequisites**

JPN 101, or consent.

**JPN 201 : Intermediate Japanese I**

Second level course in Japanese listening, reading, speaking, and writing. Introduces more advanced grammatical patterns and vocabulary words. Daily practice highly recommended.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**Prerequisites**

JPN 102, or consent.

**JPN 202 : Intermediate Japanese II**

Continues JPN 201. Completes introduction of major grammatical patterns of standard Japanese. Daily practice highly recommended.

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**Prerequisites**

JPN 201, or consent.

## Journalism

### **JOUR 250 : Media Writing**

Introduces the fundamentals of journalism including media ethics, fact gathering, and interviewing to produce written material for varied media.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

#### **Prerequisites**

ENG 100 with grade C or better, or consent.

## Learning Skills

### **LSK 110 : College Learning Skills**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

#### **Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

## Linguistics

### **LING 102 : Introduction to the Study of Language**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

#### **Designation**

DH

#### **Prerequisites**

ENG 100 or 102, or placement at ENG 100, or consent.

## Maintenance

### **MAIN 130 : Masonry**

Introduces materials and explains techniques used in installing and repairing concrete, hollow tile, and related masonry construction. (Formerly MAIN 30)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.50

### **MAIN 140 : Painting & Decorating**

Introduces materials and explains techniques used in applying and maintaining paints, wallpaper, and plaster. (Formerly MAIN 40)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.50

### **MAIN 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)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.50

### **MAIN 155 : Plumbing II**

Studies the plumbing system of the typical single-family residential dwelling. Examines how local and national codes apply to residential units. (Formerly MAIN 55)

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

#### **Prerequisites**

MAIN 150, or consent.

### **MAIN 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)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.50

### **MAIN 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)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 2.00

**MAIN 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.

**Credits 1**

**Lecture Hours 15**

**Teaching Equivalent 1.00**

**MAIN 167 : Heating, Venting, Air Conditioning and Refrigeration (HVACR) System Design and Controls**

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.

**Credits 2**

**Lecture/Lab Credits 60**

**Teaching Equivalent 2.50**

**Prerequisites**

Permission of instructor.

**MAIN 170 : Preventive Maintenance**

Explores principles of preventive maintenance: records maintenance, replacement schedules, rust prevention, and equipment maintenance and servicing. (Formerly MAIN 70)

**Credits 2**

**Lecture/Lab Credits 60**

**Teaching Equivalent 2.50**

# Management

**MGT 120 : Principles of Management**

Introduces the principles and concepts of management including managerial functions, motivation, leadership, and decision-making.

**Credits 3**

**Teaching Equivalent 3.00**

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**MGT 122 : Human Relations in Management**

Introduces the basic concepts of individual, group, and organizational human behavior as they affect human relations, performance, and productivity within the workplace.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Recommended Prep**

ENG 22 with grade C or better, or placement at ENG 100.

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**MGT 124 : Human Resources Management**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Recommended Prep**

ENG 22 with grade C or better, or placement at ENG 100.

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

**MGT 310 : Principles of Management**

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. (Letter grade only.)

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

BUS 120 or SSM 202, either with grade C or better, or consent.

**MGT 322 : Organizational Leadership and Management of Change**

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.

**Credits 3**

**Lecture Hours 45**

**Teaching Equivalent 3.00**

**Prerequisites**

PSY 100 or SOC 100, either with grade C or better, or consent.

# Marketing

## **MKT 120 : Principles of Marketing**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Recommended Prep**

ENG 22 with grade C or better, or placement at ENG 100.

### **Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

## **MKT 160 : Advertising & Promotion**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Recommended Prep**

MKT 120.

### **Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

## **MKT 285 : Internet/Social Media Marketing**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Recommended Prep**

MKT 160.

### **Prerequisites**

BUS 150 or ICS 101, and MKT 120, both with grade C or better, or consent.

## **MKT 300 : Principles of Marketing**

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. (Letter grade only.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Prerequisites**

BUS 120 with grade C or better, or consent.

## **MKT 400 : Marketing for a Digital Age**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

### **Prerequisites**

MKT 300 with grade C or better, or consent.



# Mathematics

## **MATH 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.) 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.)

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

## **MATH 82 : Accelerated Algebra**

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.) 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.)

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Recommended Prep**

Reading placement at least ENG 21.

**Prerequisites**

MATH 75X with grade C or better, or placement at MATH 82, or consent.

## **MATH 100 : Survey of Mathematics**

Acquaints the non-specialist with examples of mathematical reasoning. Explores selected topics such as numeration systems, consumer math, linear and exponential growth, inductive patterns, mathematical art, probability, statistics, set theory, and logic.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FQ

**Recommended Prep**

At least 11th grade reading skills.

**Prerequisites**

MATH 75X with grade C or better, or placement at MATH 100, and ENG 22 with grade C or better or placement at ENG 100, or consent.

## **MATH 103 : College Algebra**

Analyzes and interprets the behavior and nature of functions including linear, polynomial, exponential, log, absolute value, and piecewise-defined functions; solves systems of equations; solves application problems. 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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FQ

**Recommended Prep**

At least 11th grade reading skills.

**Prerequisites**

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.

**MATH 103T : College Algebra with Supplement**

Analyzes and interprets the behavior and nature of functions including linear, polynomial, exponential, log, absolute value, and piecewise defined functions; solve systems of equations; solves application problems. Reinforces learning through supplemental activities such as peer discussion and problem solving, individualized tutorial assistance and performance tracking.

**Credits** 5

**Lecture Hours** 75

**Teaching Equivalent** 5.00

**Designation**

FQ

**Prerequisites**

MATH 82 with grade C or better or placement at least MATH 103T, and ENG 22 with grade C or better or placement at ENG 100, or consent.

**MATH 111 : Mathematics for Elementary Teachers I**

Explores mathematical ideas, problem solving, quantitative and symbolic reasoning. Focuses on operations and their properties, sets, counting, patterns, and algebra. 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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

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.

**MATH 112 : Mathematics for Elementary Teachers II**

Demonstrates operations and develops the properties of the natural numbers, integers, rational numbers, and real numbers. Explores the use of mathematical operations to solve problems, including geometry, probability, and physical rates. 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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FQ

**Prerequisites**

MATH 111 with grade C or better, or consent.

**MATH 115 : Introduction to Statistics and Probability**

Utilizes basic statistical topics including measures of central tendency and dispersion, classification of variables, sampling techniques, elementary probability, normal and binomial probability distributions, tests of hypothesis, linear regression and correlation in order to solve problems. 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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FQ

**Prerequisites**

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.

**MATH 115T : Introduction to Statistics & Probability with Supplement**

Utilizes basic statistical topics including measures of central tendency and dispersion, classification of variables, sampling techniques, elementary probability, normal and binomial probability distributions, tests of hypothesis, linear regression and correlation in order to solve problems.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Designation**

FQ

**Prerequisites**

Placement at MATH 115T, and ENG 22 with grade C or better or placement at ENG 100, or consent.

**MATH 135 : Pre-Calculus: Elementary Functions**

Investigates linear, quadratic, polynomial, rational, exponential, and logarithmic functions and related topics. This course is the first part of the precalculus sequence. 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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FQ

**Prerequisites**

MATH 103 with grade C or better or placement at MATH 135, or consent.

**MATH 140X : Accelerated Pre-Calculus: Elementary functions, Trigonometry and Analytic Geometry**

Studies the trigonometric functions, analytic geometry, polar coordinates, vectors, and related topics. This course is the second part of the precalculus sequence. 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.)

**Credits** 4

**Lecture Hours** 45

**Teaching Equivalent** 4.00

**Designation**

FQ

**Prerequisites**

MATH 135 with grade C or better or placement at MATH 140, or consent.

**MATH 140X : Accelerated Precalculus: Elementary Functions, Trigonometry, and Analytic Geometry**

Provides an accelerated path to Calculus to students who have a strong background in College Algebra. Topics include the essential pre-calculus skills needed for success in calculus: functions, with special attention to polynomial, rational, exponential, logarithmic, and trigonometric functions; plane and analytic trigonometry; polar coordinates; and conic sections. Credit may not be earned for both MATH 140 and MATH 140X.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Designation**

FQ

**Recommended Prep**

Students who pass College Algebra with a C grade are encouraged to take the two semester precalculus path with MATH 135 and MATH 140.

**Prerequisites**

MATH 103 or MATH 103T either with grade C or better, or placement at MATH 135, or consent of instructor.

**MATH 203 : Calculus for Business & Social Sciences**

Studies the basic concepts of differentiation and integration and their applications in the areas of finance, management, economics, and social sciences. 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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FQ

**Prerequisites**

MATH 135 with grade C or better or placement at MATH 140, and ENG 100 with grade C or better (or concurrent), or consent.

**MATH 241 : Calculus I**

Explores basic concepts of differential and integral calculus. Reviews functions, focuses on differentiation and its applications. Introduces integration. (Formerly MATH 205.) 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.)

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Designation**

FQ

**Prerequisites**

MATH 119 or 140 either with grade C or better or placement at MATH 241, or consent.

**MATH 242 : Calculus II**

Extends and completes the calculus on a single real variable with the differentiation and integration of transcendental functions, techniques of integration, applications, and infinite series. (Formerly MATH 206.) 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.)

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Designation**

FQ

**Prerequisites**

MATH 241 with grade C or better, or consent.

**MATH 243 : Calculus III**

Studies functions of several variables including vectors, vector functions, the calculus on these functions, and 3-dimensional analytic geometry. (Formerly MATH 231.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FQ

**Prerequisites**

MATH 242 with grade C or better, or consent.

**MATH 244 : Calculus IV**

Extends the study of functions of several variables with multiple integrals and vector analysis. Studies the solutions of elementary differential equations. (Formerly MATH 232.)

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Designation**

FQ

**Prerequisites**

MATH 243 with grade C or better, or consent.

## Microbiology

**MICR 130 : General Microbiology**

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. 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.)

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Designation**

DB

**Prerequisites**

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.

**MICR 140 : General Microbiology****Lab**

Laboratory to accompany MICR 130.

**Credits** 2**Lecture/Lab Credits** 60**Teaching Equivalent** 3.33**Designation**

DY

**Prerequisite or Corequisite**

MICR 130.

## Music

**HWST/MUS 176 : History and Development of Hawaiian Music**

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.

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Designation**

HI

DH

**Prerequisites**

HAW 101 and HWST 107, both with a grade C or better, or consent.

**MUS 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.

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Designation**

DH

**MUS 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.

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Designation**

FGC

**MUS 108 : Music Fundamentals**

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.

**Credits** 3**Lecture Hours** 45**Teaching Equivalent** 3.00**Designation**

DA

**Recommended Prep**

MUS 121C.

**MUS 114 : College Chorus**

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.)

**Credits** 2**Lecture Hours** 15**Lecture/Lab Credits** 30**Teaching Equivalent** 2.50**Designation**

DA

**Recommended Prep**

MUS 121B or 122B. No previous choral experience required.

**MUS 114H : Hawaiian Chorus**

Introduces basic vocal group performance. Studies ancient to modern Hawaiian songs.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

HI

DA

**Recommended Prep**

Previous vocal experience may be helpful.

**MUS 121B : Voice 1**

Introduces principles of voice production as related to problems of voice literature, both technical and interpretive, at an elementary level. (Formerly MUS 123)

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

DA

**Recommended Prep**

Previous musical training.

**MUS 121C : Piano 1**

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.)

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

DA

**Prerequisites**

Must have access to piano or keyboard.

**MUS 121D : Guitar 1**

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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

DA

**Prerequisites**

Guitar in playable condition.

**MUS 121F : Slack Key Guitar 1**

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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

DA

**Recommended Prep**

Prior musical performance experience, preferably with guitar, 'ukulele or a similar stringed instrument.

**Prerequisites**

Regular access to a steel or nylon string guitar in adequate condition for class use and practice.

**MUS 121G : Hawaiian Steel Guitar 1**

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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

DA

**Recommended Prep**

Prior musical performance experience and an understanding of basic music theory and harmony.

**Prerequisites**

Regular access to a steel guitar in adequate condition for class use and practice.

**MUS 121Z : 'Ukulele 1**

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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

DA

**Recommended Prep**

Students must provide their own 'ukulele in good playable condition and have internet access.

**MUS 122B : Voice 2**

Develops principles of voice production as related to problems of voice literature, both technical and interpretive, at an elementary level. (Formerly MUS 124)

**Credits 2****Lecture Hours 15****Lecture/Lab Credits 30****Teaching Equivalent 2.50****Designation**

DA

**Recommended Prep**

Previous musical training.

**Prerequisites**

MUS 121B with grade C or better, or consent.

**MUS 122C : Piano 2**

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.)

**Credits 2****Lecture Hours 15****Lecture/Lab Credits 30****Teaching Equivalent 2.50****Designation**

DA

**Prerequisites**

MUS 121C with grade C or better, or consent.

**MUS 122D : Guitar 2**

Investigates further guitar techniques, ensemble and solo playing. Introduces sight reading. Develops skill in interpretation.

**Credits 2****Lecture Hours 15****Lecture/Lab Credits 30****Teaching Equivalent 2.50****Designation**

DA

**Prerequisites**

MUS 121D, or consent. Requires a guitar in playable condition.

**MUS 122G : Hawaiian Steel Guitar 2**

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.

**Credits 2****Lecture Hours 15****Lecture/Lab Credits 30****Teaching Equivalent 2.50****Designation**

DA

**Recommended Prep**

Prior musical performance experience and an understanding of basic music theory and harmony.

**Prerequisites**

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.

**MUS 122Z : 'Ukulele 2**

Expands 'ukulele performance techniques in ensemble and solo contexts. Further develops skills in interpretation and development of style.

**Credits 2****Lecture Hours 15****Lecture/Lab Credits 30****Teaching Equivalent 2.14****Designation**

DA

**Prerequisites**

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.

**MUS 132 : Hawaiian Music Performance 1**

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.)

**Credits 2****Lecture Hours 15****Lecture/Lab Credits 30****Teaching Equivalent 2.50****Designation**

DA

**Prerequisites**

Access to a guitar or 'ukulele in acceptable working condition, and bring instrument to each class.

**MUS 133 : Hawaiian Music Performance 2**

Continues to develop a Hawaiian music repertoire and intermediate-level performance skills that build on MUS 132 Hawaiian Music Performance 1. Student will be mentored by faculty and established guest musicians.

**Credits 2****Lab Hours 30****Lecture Hours 15****Teaching Equivalent 2.50****Designation**

DA

**Prerequisites**

MUS 132 with grade C or better; or consent. Access to a guitar or 'ukulele in acceptable working condition, and bring instrument to each class.

**MUS 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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DH

**MUS 180 : Basic Theory and Aural Skills**

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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

DA

**Recommended Prep**

MUS 108.

**MUS 203 : Instrumental Ensemble**

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.)

**Credits** 1

**Lecture/Lab Credits** 30

**Teaching Equivalent** 1.67

**Designation**

DA

**Prerequisites**

Consent by audition.

**MUS 221C : Piano 3**

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)

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

**Designation**

DA

**Prerequisites**

MUS 122C with grade C or better, or consent.

**MUS 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**MUS 271 : Intro to Music Technology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Recommended Prep**

MUS 108, 121C, or 121D.

**MUS 272 : Digital Recording Techniques**

Plan and conduct recording sessions using computer-based digital audio (DAW) workstations, choose and position microphones, select and adjust digital and analog signal processors to create various styles of music.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**MUS 273 : Applied Recording and Performance**

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.

**Credits** 3

**Lecture Hours** 30

**Lecture/Lab Credits** 30

**Teaching Equivalent** 3.33

**Designation**

DA

**Prerequisites**

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.



### **MUS 295 : Hawaiian Music Capstone**

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.

**Credits** 2

**Lecture Hours** 15

**Lecture/Lab Credits** 30

**Teaching Equivalent** 2.50

#### **Prerequisites**

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.

## Nursing

### Learning Outcomes

1. Demonstrate professional actions based on core nursing values, professional standards of practice, and the law.
2. Develop insight through reflective practice, self-analysis, and self-care.
3. Engage in ongoing self-directed learning and provides care based on evidence supported by research
4. Demonstrate leadership in nursing and health care.
5. Collaborate as part of a healthcare team.
6. Practice within, utilize and contribute to the broader health care system.

7. Practice client-centered care.

8. Communicate Effectively.

9. Demonstrate clinical judgment/critical thinking in the delivery of care to clients while maintaining safety.

### **NURS 12 : ARCH: Diseases, Special Diets, Medications**

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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Recommended Prep**

NURS 100.

### **NURS 13 : ARCH: Helping Therapies & Behavior Management**

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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Recommended Prep**

NURS 100.

### **NURS 14 : ARCH: Regulations, Accounts, Community Resources**

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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Recommended Prep**

NURS 100.

### **NURS 100 : Nurse Assistant**

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.

**Credits** 6

**Lab Hours** 90

**Lecture Hours** 60

**Teaching Equivalent** 6.25

#### **Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

### **NURS 100C : Nursing Assistant Clinical**

Prepares nurse assistants to care for acute, semi-acute, or convalescent clients in the hospital, long-term care, or home setting. Provides bedside clinical experience. Prepares nurse assistants for national certification. (CR/NC grade only.)

**Credits** 1

**Teaching Equivalent** 1.88

**Clinical Hours** 45

#### **Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22; or consent.

#### **Corequisite Courses**

[NURS 100L: Nursing Assistant Lab](#)

[NURS 100T: Nursing Assistant Theory](#)

**NURS 100L : Nursing Assistant Lab**

Prepares nurse assistants to care for acute, semi-acute, or convalescent clients in the hospital, long-term care, or home setting. Develops hands on nursing skills required for clinical setting. Prepares nurse assistants for national certification. (CR/NC grade only.)

**Credits 1**

**Lab Hours 45**

**Teaching Equivalent 2.50**

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22; or consent.

**Corequisite Courses**

[NURS 100C: Nursing Assistant Clinical](#)

[NURS 100T: Nursing Assistant Theory](#)

**NURS 100T : Nursing Assistant Theory**

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. (Letter grade only.)

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22; or consent.

**Corequisite Courses**

[NURS 100C: Nursing Assistant Clinical](#)

[NURS 100L: Nursing Assistant Lab](#)

**NURS 110C : Nursing Fundamentals Clinical**

Provides experience with clients in outpatient and long term care clinical settings. Includes an emphasis on the nursing process, critical thinking and the practice of nursing skills. Introduces deviations from the normal state of health and evidence-based nursing interventions for the concepts of safety, mobility, tissue integrity, nutrition, glucose regulation, elimination, perfusion, and oxygenation for adults across the life span. (CR/NC grade only.)

**Credits 3**

**Teaching Equivalent 5.63**

**Clinical Hours 135**

**Prerequisites**

Admission to the Practical Nursing Program.

**Corequisite Courses**

[NURS 110T: Nursing Fundamentals Theory](#)

[NURS 110L: Nursing Fundamentals Lab](#)

**NURS 110L : Nursing Fundamentals Lab**

Focuses on assessment techniques and performance of fundamental nursing skills. (CR/NC grade only.)

**Credits 3**

**Lecture/Lab Credits 90**

**Teaching Equivalent 5.00**

**Prerequisites**

Admission to the Practical Nursing Program.

**Corequisite Courses**

[NURS 110C: Nursing Fundamentals Clinical](#)

[NURS 110T: Nursing Fundamentals Theory](#)

**NURS 110T : Nursing Fundamentals Theory**

Provides a comprehensive overview of the discipline of nursing. Topics include nursing as a profession, principles and skills of nursing practice, health promotion, physical assessment, client education, documentation, and therapeutic communication. Focuses on health management and maintenance; prevention of illness and infection control. Includes an emphasis on the nursing process, evidence based nursing practice and acquisition of critical thinking skills. Introduces deviations from the normal state of health and evidence-based nursing interventions for the concepts of safety, mobility, tissue integrity, nutrition, glucose regulation, elimination, perfusion, and oxygenation for adults across the life span. (Letter grade only.)

**Credits 4**

**Lecture Hours 60**

**Teaching Equivalent 4.00**

**Prerequisites**

Admission to the Practical Nursing Program.

**Corequisite Courses**

[NURS 110C: Nursing Fundamentals Clinical](#)

[NURS 110L: Nursing Fundamentals Lab](#)

**NURS 111 : Introduction to Professional Nursing**

Focuses on the provision of competent nursing care from a legal, ethical, cultural and spiritual viewpoint. Also examines nursing history, professional nursing organizations, healthcare trends, interdisciplinary teamwork, workplace civility, therapeutic and professional communication and end of life care. (Letter grade only.)

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Prerequisites**

Admission to the Practical Nursing Program.

**Corequisite Courses**

[NURS 110T: Nursing Fundamentals Theory](#)

[NURS 110L: Nursing Fundamentals Lab](#)

[NURS 110C: Nursing Fundamentals Clinical](#)

**NURS 115C : Maternal Newborn and Child Development**

Focuses on clinical experience and critical thinking in outpatient settings that provide pediatric and maternal/newborn health services in the community. (CR/NC grade only.)

**Credits** 2

**Teaching Equivalent** 3.75

**Clinical Hours** 90

**Prerequisites**

NURS110T and NURS 111 both with a grade C or better; and both NURS 110L and NURS 110C with grade CR.

**Corequisite Courses**

[NURS 115T: Maternal Newborn and Child Development Theory](#)

[NURS 115L: Maternal Newborn and Child Development Lab](#)

**NURS 115L : Maternal Newborn and Child Development Lab**

Builds on skills and concepts of previous nursing courses with emphasis on essential nursing skills required to provide care for maternal, newborn, toddler and school age populations. (CR/NC grade only.)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 3.33

**Prerequisites**

NURS110T and NURS 111 both with a grade C or better; and both NURS 110L and NURS 110C with grade CR.

**Corequisite Courses**

[NURS 115C: Maternal Newborn and Child Development](#)

[NURS 115T: Maternal Newborn and Child Development Theory](#)

**NURS 115T : Maternal Newborn and Child Development Theory**

Builds on concepts of previous nursing courses with emphasis on utilization of the nursing process to provide care for maternal, newborn, toddler and school age populations. Students will explore the concepts of health promotion, disease prevention and alterations in health related to women and children. Emphasis is on culturally competent, client-centered care of childbearing families in clinical and community settings. (Letter grade only)

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Prerequisites**

NURS 110T and NURS 111 both with a grade of C or better and NURS 110L and NURS 110C both with grade CR.

**Corequisite Courses**

[NURS 115C: Maternal Newborn and Child Development](#)

[NURS 115L: Maternal Newborn and Child Development Lab](#)

**NURS 120C : Integration of Nursing Practice Clinical**

Focuses on caring for clients with alterations in cellular regulation, mood, cognition, perfusion, oxygenation, nutrition and sensory perception in the context of practical nursing. Preparation for licensure examination and professional role attainment of the nurse graduate is emphasized. (CR/NC only.)

**Credits** 4

**Teaching Equivalent** 7.50

**Clinical Hours** 180

**Prerequisites**

NURS 115T with a grade of C or better, and both NURS 115L, NURS 115C with grade CR.

**Corequisite Courses**

[NURS 120T: Integration of Nursing Practice Theory](#)

[NURS 120L: Integration of Nursing Practice Lab](#)

[NURS 121T: Basic Principles of Crisis Management Theory](#)

[NURS 121L: Basic Principles of Crisis Management Lab](#)

**NURS 120L : Integration of Nursing Practice Lab**

Examines focused nursing assessments for clients with alterations in health for the concepts of infection, cellular regulation, mood, cognition, addiction and sensory perception. (CR/NC grade only.)

**Credits** 2

**Lecture/Lab Credits** 60

**Teaching Equivalent** 3.33

**Prerequisites**

NURS 115T with a grade of C or better, and both NURS 115L, NURS 115C with grade CR.

**Corequisite Courses**

[NURS 120C: Integration of Nursing Practice Clinical](#)

[NURS 120T: Integration of Nursing Practice Theory](#)

[NURS 121T: Basic Principles of Crisis Management Theory](#)

[NURS 121L: Basic Principles of Crisis Management Lab](#)

**NURS 120T : Integration of Nursing Practice Theory**

Examines pathophysiology of common diseases for adults across the life span with focused nursing assessments. Application of previous knowledge is integrated with an emphasis on prevention of complications through client teaching, client safety, and evidence-based nursing intervention. Concepts of infection, cellular regulation, mood, cognition, addiction and sensory perception are explored in the context of practical nursing practice. Preparation for license examination and professional role attainment of the nurse graduate is emphasized. (Letter grade only.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

NURS 115T with a grade of C or better, and both NURS 115L, NURS 115C with grade CR.

**Corequisite Courses**

NURS 120C: Integration of Nursing Practice Clinical

NURS 120L: Integration of Nursing Practice Lab

NURS 121T: Basic Principles of Crisis Management Theory

NURS 121L: Basic Principles of Crisis Management Lab

**NURS 121L : Basic Principles of Crisis Management Lab**

Provides simulated crisis scenarios for students to utilize crisis management tools for practice. Includes an emphasis on the nursing process, evidence based nursing practice and acquisition of critical thinking skills. (CR/NC grade only.)

**Credits 2****Lecture/Lab Credits 60****Teaching Equivalent 3.33****Prerequisites**

NURS 115T with a grade of C or better, and both NURS 115L, NURS 115C with grade CR.

**Corequisite Courses**

NURS 120C: Integration of Nursing Practice Clinical

NURS 120L: Integration of Nursing Practice Lab

NURS 120T: Integration of Nursing Practice Theory

NURS 121T: Basic Principles of Crisis Management Theory

**NURS 121T : Basic Principles of Crisis Management Theory**

Provides a comprehensive introduction to the various types of crises, their identification, and intervention techniques. Types of crises include medical, psychological, psychiatric, self-harm, violence, safety, security, internal disasters, evacuation, external disasters, and mass casualty. Includes an emphasis on the nursing process, evidence based nursing practice and acquisition of critical thinking skills. (Letter grade only)

**Credits 1****Lecture Hours 15****Teaching Equivalent 1.00****Prerequisites**

NURS 115T with a grade of C or better, and both NURS 115L, NURS 115C with grade CR.

**Corequisite Courses**

NURS 120C: Integration of Nursing Practice Clinical

NURS 120L: Integration of Nursing Practice Lab

NURS 120T: Integration of Nursing Practice Theory

NURS 121L: Basic Principles of Crisis Management Lab

**NURS 210C : Health Promotion Across the Life Span Clinical**

Clinical course focuses on a health promotion model of care, assessment, and clinical practice. (CR/NC grade only.)

**Credits 3****Teaching Equivalent 5.63****Clinical Hours 135****Prerequisites**

Admission to the Nursing Program.

**Corequisite Courses**

NURS 210T: Health Promotion Across the Life Span

NURS 210L: Health Promotion Across the Life Span

**NURS 210L : Health Promotion Across the Life Span**

Laboratory experience focuses on assessment techniques and fundamental nursing skills. Introduces nurse's roles, code of ethics, and evidence-based practice. (CR/NC grade only.)

**Credits** 3

**Lab Hours** 135

**Teaching Equivalent** 7.50

**Prerequisites**

Admission to the Nursing Program.

**Corequisite Courses**

[NURS 210T: Health Promotion Across the Life Span](#)

[NURS 210C: Health Promotion Across the Life Span Clinical](#)

**NURS 210T : Health Promotion Across the Life Span**

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 multidisciplinary team utilizing reflective thinking and self-analysis. (Letter grade only.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

Admission to the Nursing Program.

**Corequisite Courses**

[NURS 210C: Health Promotion Across the Life Span Clinical](#)

[NURS 210L: Health Promotion Across the Life Span](#)

**NURS 211 : Professionalism in Nursing I**

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.)

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Prerequisites**

Admission to the Nursing Program.

**NURS 212 : Pathophysiology**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

Admission to the Nursing Program.

**NURS 220A : Health and Illness I A**

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.)

**Credits** 5

**Lab Hours** 135

**Lecture Hours** 30

**Teaching Equivalent** 6.88

**Prerequisites**

NURS 210, 211, and 212, all with grade C or better, or consent.

**NURS 220B : Health and Illness I B**

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.)

**Credits** 5

**Lab Hours** 135

**Lecture Hours** 30

**Teaching Equivalent** 6.88

**Prerequisites**

NURS 220A with grade C or better (or concurrent), or consent.

**NURS 220C : Health & Illness I  
Clinical**

Clinical experience with assessment and implementation of common interventions for clients with illnesses across the life span. (CR/NC grade only.)

**Credits** 3

**Teaching Equivalent** 5.63

**Clinical Hours** 135

**Prerequisites**

NURS 210T, NURS 211, and NURS 212, all with grade C or better; and both NURS 210C and NURS 210L with grade CR.

**Corequisite Courses**

[NURS 220T: Health & Illness I](#)

[NURS 220L: Health & Illness I Lab](#)

**NURS 220L : Health & Illness I Lab**

Lab course focuses on using nursing assessment to support identification of risk factors and detection/prevention of complications from illness. Nursing skills are introduced, practiced and integrated into clinical experiences. (CR/NC grade only.)

**Credits** 3

**Lab Hours** 135

**Teaching Equivalent** 7.50

**Prerequisites**

NURS 210T, NURS 211, and NURS 212, all with grade C or better; and both NURS 210C and NURS 210L with grade CR.

**Corequisite Courses**

[NURS 220T: Health & Illness I](#)

[NURS 220C: Health & Illness I  
Clinical](#)

**NURS 220T : Health & Illness I**

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.)

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Prerequisites**

NURS 210T, NURS 211, and NURS 212, all with grade C or better; and both NURS 210C and NURS 210L with grade CR.

**Corequisite Courses**

[NURS 220C: Health & Illness I  
Clinical](#)

[NURS 220L: Health & Illness I Lab](#)

**NURS 230C : Clinical Immersion I  
Clinical**

Focuses on monitoring a variety of subjective and objective data in the clinical setting with prioritized nursing intervention. (CR/NC grade only.)

**Credits** 2

**Teaching Equivalent** 3.75

**Clinical Hours** 90

**Prerequisites**

NURS 220T with grade C or better; and both NURS 220C and NURS 220L with grade CR.

**Corequisite Courses**

[NURS 230T: Health & Illness II:  
Family Health](#)

[NURS 230L: Clinical Immersion I  
Lab](#)

**NURS 230L : Clinical Immersion I  
Lab**

Focuses on developing new nursing skills and prioritized intervention plans for clients in a variety of clients in a acute and long term care settings. (CR/NC grade only.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Prerequisites**

NURS 220T with grade C or better; and both NURS 220C and NURS220L with grade CR.

**Corequisite Courses**

[NURS 230T: Health & Illness II:  
Family Health](#)

[NURS 230C: Clinical Immersion I  
Clinical](#)

**NURS 230T : Health & Illness II:  
Family Health**

Focuses on monitoring a variety of subjective and objective data, identify obvious health 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 a needed modality to improve patient care. (Letter grade only.)

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Prerequisites**

NURS 220T with grade C or better; and both NURS 220C and NURS 220L with grade CR.

**Corequisite Courses**

[NURS 230C: Clinical Immersion I  
Clinical](#)

[NURS 230L: Clinical Immersion I  
Lab](#)

**NURS 261 : Advanced Electro-Cardiogram Interpretation**

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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Prerequisites**

Licensed RN or LPN, or consent.

**NURS 301 : Introduction to Evidence-Base Practice & Health Promotion**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

Registered Nurse Licensure, or consent.

**NURS 320C : Health & Illness II: Family Health Clinical**

Nursing care and health promotion for maternal-newborn and pediatric clients and families in acute care and community settings. Utilization of family theories and assessment tools when providing culturally sensitive, client-centered care. (CR/NC grade only.)

**Credits** 3

**Teaching Equivalent** 5.63

**Clinical Hours** 135

**Prerequisites**

NURS 230T with grade C or better; and both NURS 230C and NURS 230L with grade CR.

**Corequisite Courses**

NURS 320T: Health & Illness II: Family Health

NURS 320L: Health & Illness II: Family Health Lab

**NURS 320L : Health & Illness II: Family Health Lab**

Laboratory experience focuses on assessment techniques and nursing skills for maternal-newborn and pediatric clients.(CR/NC grade only.)

**Credits** 3

**Lab Hours** 135

**Teaching Equivalent** 7.50

**Prerequisites**

NURS 230T with grade C or better; and both NURS 230L and NURS 230C with grade CR.

**Corequisite Courses**

NURS 320T: Health & Illness II: Family Health

NURS 320C: Health & Illness II: Family Health Clinical

**NURS 320T : Health & Illness II: Family Health**

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. Professional fee required. (Letter grade only.)

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Prerequisites**

NURS 230T with grade C or better; and both NURS 230C and NURS 230L with grade CR.

**Corequisite Courses**

NURS 320C: Health & Illness II: Family Health Clinical

NURS 320L: Health & Illness II: Family Health Lab

**NURS 360C : Health & Illness III Clinical**

Clinical course focuses on complex situations requiring the application of strong recognition, skills and rapid decision making. (CR/NC grade only.)

**Credits** 3

**Teaching Equivalent** 5.63

**Clinical Hours** 135

**Prerequisites**

NURS 320T with a grade C or better; and both NURS 320L and NURS 320C with grade CR.

**Corequisite Courses**

NURS 360T: Health & Illness III

NURS 360L: Health & Illness III Lab

**NURS 360L : Health & Illness III Lab**

Lab course focuses on complex situations requiring the application of strong recognition, skills and rapid decision making. Evidence base supporting assessment and nursing intervention is explored. (CR/NC grade only.)

**Credits** 3

**Lab Hours** 135

**Teaching Equivalent** 7.50

**Prerequisites**

NURS 320T with grade C or better; and both NURS 320C and NURS 320L with grade CR.

**Corequisite Courses**

NURS 360T: Health & Illness III

NURS 360C: Health & Illness III Clinical

**NURS 360T : Health & Illness III**

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.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

NURS 320T with grade C or better; and both NURS 320C and NURS 320L with grade CR.

**Corequisite Courses**

[NURS 360C: Health & Illness III Clinical](#)

[NURS 360L: Health & Illness III Lab](#)

**NURS 362 : Professionalism in Nursing II**

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.)

**Credits 1****Lecture Hours 15****Teaching Equivalent 1.00****Prerequisites**

NURS 320 with grade B or better.

**NURS 363 : Introduction to Nursing Research**

Introduces the research process and provides an understanding of the applicability of the scientific approach to nursing. (Letter grade only.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

ETH

**Prerequisites**

MATH 115 with grade C or better; or AS in Nursing, or consent.

**NURS 366 : Advanced Cardio-Pulmonary Theory**

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.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

NURS 230 with grade B or better, or licensed RN, or consent.

# Occupational Safety & Health

**OSH 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)

**Credits 1****Lecture Hours 15****Teaching Equivalent 1.00****OSH 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)

**Credits 1****Lecture Hours 15****Teaching Equivalent 1.00****OSH 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)

**Credits 1****Lecture Hours 15****Teaching Equivalent 1.00**



# Oceanography

## **OCN 64 : Hawaiian Marine Life Identification**

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).

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

Enrollment in Marine Option Program.

## **OCN 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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

## **OCN 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.)

**Credits** 2

**Lecture Hours** 48

## **OCN 191v : Field Experience in Marine Naturalist Training**

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.)

**Credits** 1-3

**Lecture/Lab Credits** 1

**Prerequisites**

Enrollment in Certificate of Competence Marine Naturalist I or II program or Marine Option Program, or consent.

## **OCN 201 : Science of the Sea**

Introduces basic concepts of geological, physical, chemical, and biological oceanography. Emphasizes relationships between land-based and marine-based sciences.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

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.

## **OCN 201L : Science of the Sea Lab**

Introduces instrumentation and methods used in oceanographic observations and research. Demonstrates oceanographic principles through laboratory and field data collection and analysis.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

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.

## **OCN 270 : Communicating Ocean Sciences**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

OCN 201 or ZOOL 200, either with grade C or better, or enrollment in Marine Option Program, or consent.

## **OCN 293v : Ocean Internships & Research**

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.)

**Credits** 1-3

**Lecture/Lab Credits** 1

**Prerequisites**

Enrolled in Marine Option Program.

**Prerequisite or Corequisite**

OCN 201 and ZOOL 200.

**OCN 351 : Coastal Methods and Analysis**

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.

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Designation**

DP

**Recommended Prep**

CHEM 161 and 161L.

**Prerequisites**

OCN 201, OCN 201L, ZOOL 200, ZOOL 200L, and MATH 115, all with grade C or better; or consent.

**OCN 351L : Coastal Methods & Analysis Lab**

Laboratory to accompany OCN 351.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Recommended Prep**

CHEM 161 and 161L.

**Prerequisites**

OCN 201, OCN 201L, ZOOL 200, ZOOL 200L, and MATH 115, all with grade C or better; or consent.

**Corequisites**

OCN 351.

## Pacific Island Studies

**PACS 108 : Pacific Worlds: Introduction to Pacific Island Studies**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DS

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

## Pharmacology

**PHRM 105 : Administration of Medications**

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.

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Recommended Prep**

NURS 100 with grade C or better.

**Prerequisite or Corequisite**

PHRM 107 with grade C or better, or consent.

**PHRM 106 : Introduction to Pharmacy Technology**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

BIOL 100, and BUSN 189 or at least MATH 75X with grade C or better, or consent.

**PHRM 107 : Pharmacology and Treatment of Diseases**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

BIOL 100 with grade C or better, or consent.

**PHRM 109 : Pharmacology Calculations**

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.)

**Credits** 1

**Lecture Hours** 15

**Teaching Equivalent** 1.00

**Recommended Prep**

PHRM 106 with grade C or better (or concurrent).

**Prerequisites**

MATH 75X with grade C or better, or placement at least MATH 82, or consent.

**PHRM 192v : Work Practicum**

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.)

**Credits** 2

**Lab Hours** 45

**Lecture Hours** 15

**Teaching Equivalent** 3.33

**Prerequisites**

PHRM 106, 107, and 109, all with grade C or better.

**PHRM 203 : General Pharmacology**

Discusses drugs with emphasis on sites and mechanism of action, toxicity, fate, and uses of major therapeutic agents.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

PHYL 141 and 141L, or BIOL 141 (HawCC), or BIOL 243 (UH-Hilo), or ZOOL 240 (LCC), or consent.

## Philosophy

**PHIL 100 : Introduction to Philosophy: Survey of Problems**

Introduces the great philosophical issues, theories, and controversies.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**PHIL 102 : Introduction to Philosophy: Asian Traditions**

Explores universal philosophical themes and problems from the Asian perspective. Focuses on Indian, Chinese, and Japanese traditions.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**PHIL 109 : Reasoning and Critical Thinking**

Studies informal logic, practical reasoning, argument, and the use and misuse of language. Emphasizes the development of critical thinking skills.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Recommended Prep**

ENG 100, and either ENG 102 or 210.

**PHIL 110 : Introduction to Logic**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

ENG 100 with grade C or better, or consent.

**PHIL 301 : Ethical Theory**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Prerequisites**

ENG 100, and ENG 200 or 316 or PHIL 100, 101, 102, or 110, both with grade C or better, or consent.

**PHIL 323 : Professional Ethics**

Examines major ethical theories and principles relevant to decision-making in professional situations. Includes experiential and self-reflective methodologies as well as theoretical perspectives.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DH

**Prerequisites**

ENG 200, ENG 209, or ENG 225, any with grade C or better; or consent.

## Physics

**PHYS 101 : Technical Automotive Physics**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

QM 107C with grade C or better, or consent.

**PHYS 105 : Principles of Technology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

MATH 119 with grade C or better, or consent.

**PHYS 105L : Principles of Technology Lab**

Lab to accompany PHYS 105.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

MATH 119 with grade C or better, or consent.

**Corequisites**

PHYS 105.

**PHYS 151 : College Physics I**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

MATH 140, or placement at least MATH 241

**PHYS 151L : College Physics I Lab**

Lab to accompany PHYS 151.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

MATH 140, or placement at least MATH 241.

**Corequisites**

PHYS 151.

**PHYS 152 : College Physics II**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

PHYS 151.

**PHYS 152L : College Physics II Lab**

Lab to accompany PHYS 152.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

PHYS 151.

**Corequisites**

PHYS 152.

**PHYS 170 : General Physics I**

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.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Designation**

DP

**Prerequisites**

MATH 241 (or concurrent).

**PHYS 170L : General Physics I Lab**

Lab to accompany PHYS 170.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

MATH 241(or concurrent).

**Corequisites**

PHYS 170.

**PHYS 219 : Physics for Engineering Technology**

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.

**Credits** 2

**Lecture Hours** 30

**Teaching Equivalent** 2.00

**Designation**

DP

**Prerequisites**

Admission to ENGT program; PHYS 105 and MATH 241, both with grade C or better; or consent.

**PHYS 219L : Physics for Engineering Technology Lab**

Lab to accompany PHYS 219.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

Admission to ENGT program; PHYS 105 and MATH 241, both with grade C or better; or consent.

**Corequisites**

PHYS 219.

**PHYS 272 : General Physics II**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

PHYS 170 with grade C or better, and MATH 242 (or concurrent).

**PHYS 272L : General Physics II Lab**

Lab to accompany PHYS 272.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

PHYS 170 with grade C or better, and MATH 242 (or concurrent).

**Corequisites**

PHYS 272.

## Physiology

**PHYL 141 : Human Anatomy & Physiology I**

Covers anatomy, physiology, and biochemistry of humans including terminology, cell structure, tissues, skin, and the skeletal, muscular, and nervous systems. (Formerly ZOOL 141.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

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.

**PHYL 141L : Human Anatomy & Physiology I Lab**

Laboratory to accompany PHYL 141. (Formerly ZOOL 141L.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

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.

**Corequisites**

PHYL 141.

**PHYL 142 : Human Anatomy & Physiology II**

Covers anatomy, physiology, and biochemistry of humans including metabolism, genetics, and the cardiovascular, respiratory, digestive, excretory, endocrine, and reproductive systems. (Formerly ZOOL 142.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

PHYL 141, or consent.

**PHYL 142L : Human Anatomy & Physiology II Lab**

Lab to accompany PHYL 142. (Formerly ZOOL 142L.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

PHYL 141, or consent.

**Corequisites**

PHYL 142.

## Political Science

**POLS 110 : Introduction to Political Science**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**POLS 180 : Intro to Hawaiian Politics**

Studies contemporary Hawaiian political institutions, processes, issues, and personalities at the State and County levels.

Emphasizes citizen roles and responsibilities in local politics.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

HI

DS

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

## Psychology

**PSY/COM 253 : Conflict Resolution & Mediation**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**PSY 100 : Survey of Psychology**

Focuses on basic concepts and principles of psychology in the areas of individual differences, motivation, emotion, perception, learning, methodology, test and measurement, history, abnormal, physiology and applied psychology. Emphasizes lectures, multimedia presentations, discussions, and experimentation.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**PSY 170 : Psychology of Adjustment**

Explores the application of psychology to the understanding, management, and enhancement of one's life.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**PSY 202 : Psychology of Gender**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

ENG 100 with grade C or better.

**Prerequisites**

PSY 100 with grade C or better, or consent.

**PSY 212 : Survey of Research Methods**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

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.

**PSY 225 : Statistical Techniques**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

PSY 100 and MATH 100, 103, 115 or higher, both with grade C or better, or consent.

**PSY 240 : Developmental Psychology**

Examines the principle features of each life stage from prenatal through aging and death.

Considers emotional, cognitive, physical, and social development at each stage.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

ENG 100 with grade C or better.

**Prerequisites**

PSY 100 with grade C or better, or consent.

**PSY 250 : Social Psychology**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

ENG 100 with grade C or better.

**Prerequisites**

PSY 100 with grade C or better, or consent.

**PSY 260 : Psychology of Personality**

Surveys major theoretical approaches to the scientific study of personality. Topics include development, assessment, change, and cultural-social determinants, current research issues are emphasized.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

ENG 100 with grade C or better.

**Prerequisites**

PSY 100 with grade C or better, or consent.

**PSY 352 : Psychology of Human Sexuality**

Psychosocial aspects of human sexual relationships. Social psychology of emotional and physiological arousal, interpersonal attraction, and societal regulation of intimate relationships. (Formerly PSY 251.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

PSY 250.

**Prerequisites**

PSY 100 and ENG 100, both with grade C or better, or consent.

**PSY 353 : Conflict Management & Resolution**

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 COM 353)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

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.

## Quantitative Methods

**QM 107C : Quantitative Methods in Automotive Technology**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

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.

## Religion

**REL 150 : Intro to the World's Major Religions**

Introduces basic elements of the world's major religions: Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity, and Islam. Emphasizes themes in the great Asian traditions.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FGC

**Prerequisites**

ENG 19 with grade C or better, or placement at least ENG 22, or consent.

## Science

**SCI 114 : Introduction to Scientific Method and Laboratory**

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.)

**Credits** 3

**Lecture Hours** 15

**Lecture/Lab Credits** 60

**Teaching Equivalent** 4.17

**Designation**

DP

**Prerequisites**

Admitted to the UH Upward Bound Math Science (UBMS) summer program.

**SCI 121 : Introduction to Science: Biological Science**

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.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100.



**SCI 121L : Introduction to Science: Biological Science Lab**

Lab to accompany SCI 121.  
(Crosslisted as BIOL 101L)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100.

**Corequisites**

SCI 121.

**SCI 122 : Intro to Science: Physical Science**

Introduces characteristics of science, historical development of scientific concepts, and interactions of society with science, illustrated by topics from physical sciences.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Recommended Prep**

MATH 75X with grade C or better, or placement at least MATH 82.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**SCI 122L : Intro to Science: Physical Science Lab**

Lab to accompany SCI 122.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Recommended Prep**

MATH 75X with grade C or better, or placement at least MATH 82.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

SCI 122.

**SCI 165L : Introduction to Science Laboratory Techniques**

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.

**Credits** 1

**Lecture Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Recommended Prep**

CHEM 151 and 151L.

**Prerequisites**

BIOL 101 with grade C or better, and MATH 82 with grade C or better or placement at least MATH 100, or consent.

**SCI 214 : Problem-based Learning in STEM**

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 Hawai'i Maui College.

**Credits** 3

**Lecture Hours** 15

**Lecture/Lab Credits** 60

**Teaching Equivalent** 4.17

**Prerequisites**

DOE STEM teacher, or consent.

**SCI 265L : Environmental Testing Lab**

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.

**Credits** 1

**Lecture Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Recommended Prep**

ENG 100 and MATH 103.

**Prerequisites**

SCI 165L with grade C or better, or consent.

**SCI 295v : STEM Research Experience**

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.)

**Credits** 1-3

**Lecture Hours** 45

**Teaching Equivalent** 0.20

**Designation**

DY

**Recommended Prep**

Completion of a lab science course as stipulated by the instructor.

**Prerequisites**

Instructor consent.

## Social Work

### **SW 200 : The Field of Social Work**

Orientation to the profession of social work; historical development, values and philosophy, scope and aims.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

HSER 110.

**Prerequisites**

ENG 100 with grade C or better, or consent.

## Sociology

### **SOC 100 : Survey of General Sociology**

Introduces the study of society and social relationships. Examines social structures and basic concepts including socialization, culture, inequality, and social change.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

### **SOC 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

### **SOC 218 : Introduction to Social Problems**

Discusses and analyzes a number of modern social problems. Evaluates proposed solutions to problems.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

### **SOC 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 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 AJ 210.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

### **SOC 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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

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.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

### **SPAN 102 : Elementary Spanish II**

Continues SPAN 101. Introduces additional verb tenses and continues to expand Spanish speaking, listening, reading, and writing.

**Credits** 4

**Lecture Hours** 60

**Teaching Equivalent** 4.00

**Prerequisites**

SPAN 101, or consent.

### **SPAN 180v : Spanish-English Language Exchange**

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.

**Credits** 1-2

**Lecture Hours** 1

**Designation**

DH

**Prerequisites**

SPAN 102 or consent.

### **SPAN 201 : Intermediate Spanish I**

Second level course in Spanish listening, reading, speaking, and writing. Introduces more advanced patterns and vocabulary words. Introduces basic literature.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

SPAN 102, or consent.

### **SPAN 202 : Intermediate Spanish II**

Continues SPAN 201. Completes introduction of major grammatical patterns of standard Spanish in reading, listening, writing, and speaking. Continues to explore different literary forms.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

SPAN 201, or consent.

### **SPAN 272 : Hispanic Culture**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

SPAN 201 with grade C or better, or consent.

## Speech

### **SP 151 : Personal & Public Speech**

Introduces the major elements of speech. Develops competence in two-person, small group, and public speaking situations.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Recommended Prep**

Placement at ENG 100.

### **SP 251 : Principles of Effective Public Speaking**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DA

**Recommended Prep**

ENG 100.

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

## Sustainable Science Management

Learning Outcomes

1. Describe the functions, inter-relationships, and limitations of human-developed and naturally occurring systems.
2. Utilize systems and sustainability science tools to solve complex problems and design durable responses.
3. Understand contemporary legal, technological, economic, cultural, and ethical infrastructure as it impacts sustainability.
4. Utilize conventional and emerging methods to measure sustainability aspects of behaviors.
5. Integrate transdisciplinary knowledge; across cultural, social and educational realms; to identify and implement sustainable practices.

### **SSM 101 : Sustainability in a Changing World**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

FGB

**Prerequisites**

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.

### **SSM 201 : Sustainable Building Design**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

SSM 101 with grade C or better, or consent.

**SSM 202 : Sustainable Island Communities**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

SSM 101, HWST 107, HWST 207, or HIST 284, any with grade C or better, or consent.

**SSM 275 : Basic Energy Production**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

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.

**SSM 301 : Sustainable Assessments and Indicators**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Prerequisites**

SSM 202, MATH 115, and MATH 135, all with grade C or better, or consent.

**SSM 302 : Environmental Health**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

SSM 202, BIOL 171/171L, CHEM 151 or 161/161L, and MATH 135, all with grade C or better, or consent.

**SSM 375 : Renewable Energy Conversions and Processes**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Recommended Prep**

MATH 203 or 241.

**Prerequisites**

SSM 201, SSM 275, and MATH 135, and either CHEM 151 or 161/161L, all with grade C or better, or consent.

**SSM 384 : Sustaining the Globalized Ocean**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Recommended Prep**

ENG 200 or ENG 225.

**Prerequisites**

SSM 202 and ZOO 200, both with grade C or better, or consent.

**SSM 392v : Sustainable Science Management Internship**

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.)

**Credits** 1-3

**Lecture Hours** 0

**Prerequisites**

SSM major and at least one SSM upper division course with grade C or better.

**SSM 401 : Environmental Law, Policy, and Justice**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DS

**Recommended Prep**

BLAW 200.

**Prerequisites**

SSM 301, COM 215/PSY 253, and ENG 209, all with grade C or better; or consent.

**SSM 402 : Water Resources Management**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

SSM 202, BIOL 171/171L, CHEM 151 or 161/161L, and MATH 135, all with grade C or better, or consent.

**SSM 403 : Renewable Energy Integration**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DP

**Prerequisites**

SSM 301, SSM 375, MGT 310, and MATH 203 or MATH 241, all with grade C or better; or consent.

**SSM 422 : Sustainable Systems Thinking**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Recommended Prep**

MATH 203 or MATH 241.

**Prerequisites**

SSM 301, ENG 316, and MATH 135, all with grade C or better, or consent.

**SSM 495 : SSM Capstone I**

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.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Prerequisites**

SSM 301, 302, 375, 401, 402, MGT 322, and ENG 316, all with grade C or better, or consent.

**SSM 496 : SSM Capstone II**

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.

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Prerequisites**

SSM 495 with grade C or better, or consent.

## Telecommunications

**TCOM 261 : Introduction to Studio Production**

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.

**Credits 3****Lecture/Lab Credits 90****Teaching Equivalent 5.00****Designation**

DA

**Recommended Prep**

ENG 22 with grade C or better or placement at ENG 100, or consent.

## Theatre

**THEA 101 : Intro to Drama and Theatre**

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.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DA

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**THEA 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.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DA

**THEA 222 : Acting 2**

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.)

**Credits 3****Lecture Hours 45****Teaching Equivalent 3.00****Designation**

DA

**Prerequisites**

THEA 221, or consent.

## 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)

**Credits 3****Lecture/Lab Credits 90****Teaching Equivalent 3.75****WELD 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)

**Credits 3****Lecture/Lab Credits 90****Teaching Equivalent 3.75**

## Work Practicum

**WP 151v : 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.

# Zoology

## **ZOOL 101 : Principles of Zoology**

Surveys major animal groups with emphasis on structure, physiology, development, reproduction, evolution, ecology, behavior, and interactions with humans.  
(Crosslisted as BIOL 103.)

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

## **ZOOL 101L : Principles of Zoology**

**Lab**

Lab to accompany ZOOL 101.

(Crosslisted as BIOL 103L.)

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

ZOOL 101.

## **ZOOL 200 : Marine Biology**

Surveys physical and biological characteristics of the marine environment. Discusses local marine flora and fauna. Surveys topics including fisheries, aquaculture, pollution, and marine resources.

**Credits** 3

**Lecture Hours** 45

**Teaching Equivalent** 3.00

**Designation**

DB

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.

**Corequisites**

ZOOL 200L

## **ZOOL 200L : Marine Biology Lab**

Lab to accompany ZOOL 200.

**Credits** 1

**Lab Hours** 45

**Teaching Equivalent** 2.50

**Designation**

DY

**Prerequisites**

ENG 22 with grade C or better, or placement at ENG 100, or consent.  
ZOOL 200.

**Corequisites**

ZOOL200.