Celebrating

1960s

1950s

CATALOG 2020 - 2021

2010

University of Hawai'i
HONOLULU
COMMUNITY COLLEGE

2000s

1990s

100
YEARS

1920 ———— 2020

HONOLULU
COMMUNITY COLLEGE ™

Frequently Called Numbers

Office	Location	Phone
Admissions	Bldg. 6	845-9129 845-9270 (voice/text)
Academic Counseling	Bldg. 5-102	845-9162
Apprenticeship	Bldg. 4	845-9245
Bookstore	Bldg. 2-107	845-9105
Business/Cashier's Office	Bldg. 6	845-9102
Career Services	Bldg. 7-320	845-9204
Disability Services (Student ACCESS)	Bldg. 7-302	845-9272 (voice/text) 844-2392 (voice/text)
Distance Education	Bldg. 7-313	845-9234
Financial Aid	Bldg. 5-102	845-9116
Health Office	Bldg. 2-108A	845-9282 (voice/text)
Library	Bldg. 7	845-9199 Info & Reference 845-9221 Circulation
Lost and Found	Bldg. 2-113	845-9498
Pacific Center For Advanced Technology Training (PCATT)	Bldg. 2	845-9296
Parking	Bldg. 6	845-9102
Registration/Records	Bldg. 6	845-9120

Security
  Supervisor
  Manager
	Bldg. 72B Rm 101	284-1270 (cell)
		271-4836 (cell)
		445-1482 (cell)

Student Computer Lab	Bldg. 2-405	845-9293
Student Life	Bldg. 2-113	845-9498
Veterans Resource Center	Bldg. 5-140	845-9126
All other departments and faculty (main switchboard)		845-9211

INFORMATION ON DISABILITY ACCOMMODATION for campus programs, services, activities, and facilities or requests for an alternative format of catalog information can be obtained by contacting Student ACCESS at 844-2392 (voice/text) or 845-9272 (voice/text). Persons who are deaf, hard of hearing or speech-impaired are invited to contact the college by using the Telecommunications Relay Service by calling 711. A text pay phone is located in the Bldg. 5, breezeway.

UNIVERSITY *of* HAWAIʻI®
HONOLULU
COMMUNITY COLLEGE

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874 Dillingham Blvd. Honolulu, HI 96817

PH- (808) 845-9211 | FAX- (808) 845-9173 | WEB- www.honolulu.hawaii.edu

Welina

WELCOME TO HONOLULU COMMUNITY COLLEGE

A MESSAGE FROM THE CHANCELLOR

Welcome to a new year at Honolulu Community College! As a two-year institution in the University of Hawai'i System, Honolulu Community College offers 23 different areas of study designed to help you succeed in the workforce, in further education and in your journey of life.

Please take some time to review the degrees, programs, requirements and courses found in this catalog, as this will aid you in making the best educational decisions while here at Honolulu Community College. With a wide array of programs to choose from, and options of advanced certificates or pathways to four-year institutions, the possibilities are endless.

Furthermore, I encourage you to learn from our dedicated and passionate faculty, participate in research and campus activities, and take advantage of our many student support opportunities, such as tutoring, mentoring, counseling, financial aid assistance and career services. Each of these services may enrich your educational experience and ultimately help you achieve your goals.

I am glad that you have chosen Honolulu Community College to further your educational and professional goals. I hope you have an exciting and productive year, and I look forward to seeing you around campus.

With Aloha,
Dr. Karen C. Lee
Interim Chancellor

This Catalog provides general information about Honolulu Community College, its programs, services, major policies and procedures of relevance to students. This catalog is prepared to provide information and does not constitute a contract. The college reserves the right 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 information contained in this catalog is not necessarily complete. For further information, students should consult with the appropriate unit.

The Honolulu CC catalog is available online at *www.honolulu.hawaii.edu/catalog* or for purchase at the Honolulu CC Bookstore. For the most current information, please refer to the college website at *www.honolulu.hawaii.edu,* or contact honcc@hawaii.edu.

The University of Hawai'i is an equal opportunity/affirmative action institution. It is committed to a policy of nondiscrimination on the basis of race, sex, gender identity and expression, age, religion, color, national origin, ancestry, disability, marital status, arrest and court record, sexual orientation, or status as a covered veteran. This policy covers academic considerations such as admission and access to, and participation and treatment in, the university's programs, activities and services.

With regard to employment, the university is committed to equal opportunity in all personnel actions such as recruitment, hiring, promotion and compensation. Sexual harassment and other forms of discriminatory harassment are prohibited under university policy.

The university strives to promote full realization of equal employment opportunity through a positive, continuing affirmative action program in compliance with federal Executive Order 11246. The program includes measuring performance against specific annual hiring goals, monitoring progress, and reporting on good faith efforts and results in annual affirmative action plan reports. As a government contractor, the university is committed to an affirmative policy of hiring and advancing in employment qualified persons with disabilities and covered veterans.

For information on policies or complaint procedures, contact the campus EEO director or coordinator:

Honolulu Community College: Monique Tingkang, EEO/AA Coordinator
874 Dillingham Blvd., Honolulu, HI 96817; 808 -844-2398

UH Community Colleges: Mary Perreira, EEO/AA Director; Office of the Vice President for Community Colleges; 2327 Dole Street; Honolulu, HI, 96822; (808) 956-4650 (Voice/Text)

FALL 2020

AUGUST 24 – DECEMBER 18, 2020

Please refer to MyUH Services for updates (myuh.hawaii.edu)

Apr 06	First Day of Fall 2020 Registration
Apr 06-10	Fall 2020 Early Registration Begins for Continuing Students enrolled in Spring 2020 at any UH campus
	Register on STAR (See FALL EARLY REGISTRATION TIMETABLE)
Apr 14	Fall 2020 Registration begins for New, Re-admit and Transfer Students
Aug 17	Faculty Duty period begins (for 9-month Instructional)
Aug 24	**INSTRUCTION BEGINS**
Aug 24-Sep 01	LATE REGISTRATION Period, **$30 fee** ADD PERIOD for open classes only, **$5 fee** in person (No fee for online transactions)
Aug 24-Sep 01	*NO SHOW POLICY (Students must attend the first or second day of class (see catalog page 55)*
Aug 24-Nov 02	DROP PERIOD, **$5 fee** in person (No fee for online transactions) [1] *(See Refund & Academic Record deadlines below.)*
Sep 01	Last day to Drop/Withdraw with a 100% Tuition Refund [1,2]
Sep 07	**Labor Day (Federal & State Holiday)** [3]
Sep 15	Last day to Drop/Withdraw with a 50% Tuition Refund, **$5 fee** in person (No fee for online transactions) [1,2] Last day to Drop/Withdraw without a "W" grade on Academic Record [1]
Oct 19	Last day for Students to submit Spring & Summer 2020 Incomplete ("I") make-up work to Instructors
Nov 02	DROP PERIOD ENDS - Last day to Drop/Withdraw with a "W" grade on Academic Record [1]
Nov 02	Last day to change to CR/NC and AUDIT grading options Last Day for Instructors to submit Spring & Summer 2020 Incomplete ("I") make-up grades to Records Office
Nov 02	Last day to CHANGE MAJOR for Spring 2021 Early Registration
Nov 03	**Election Day**
Nov 11	**Veterans' Day (Federal & State Holiday)**
Nov 16	Last day to apply for FALL GRADUATION
Nov 26-27	**Thanksgiving Recess (Nov. 26 Federal & State Holiday)** [3] (Nov 27 Bookstore closed)
Dec 14-18	EVALUATION PERIOD (See *FINAL EXAM SCHEDULE*)
Dec 18	**FALL SEMESTER ENDS**
Dec 21	FACULTY DEADLINE to submit grades for Fall 2020 via MyUH Portal by 4:00 p.m.
Dec 25	**Christmas (Federal & State Holiday)** [3]

SPRING 2021

JANUARY 11 – MAY 14, 2021

Please refer to MyUH Services for updates (myuh.hawaii.edu)

Nov 09, 2020	Spring 2021 Registration begins for Continuing Students from the Fall 2020 semester *(Please refer to MyUH Services for updates.)*
Nov 09-13	Registration begins for New, Re-admit and Transfer students enrolled in Fall 2020 at any UH campus
Nov 11	**Veteran's Day (Holiday)**
Nov 17	Registration begins for New, Re-admit and Transfer students
Jan 01, 2021	**New Year's Day (Federal & State Holiday)** [3]
Jan 04	Faculty Duty Period Begins
Jan 11	**INSTRUCTION BEGINS - DAY SCHOOL AND APPRENTICESHIP**
Jan 11-19	LATE REGISTRATION Period, **$30 fee** ADD PERIOD for open classes only, **$5 fee** in person (No fee for online transactions) No Show Policy - Students must attend first or second class. (See Catalog page 55)
Jan 11-Mar 25	DROP PERIOD, **$5 fee** in person (No fee for online transactions) [1] *(See Refund & Academic Record deadlines below.)*
Jan 18	**Dr. Martin Luther King, Jr. Day (Federal & State Holiday)** [3]
Jan 19	Last day to Drop/Withdraw with a 100% Tuition Refund, **$5 fee** in person (No fee for online transactions) [1,2]
Feb 03	Last day to Drop/Withdraw with a 50% Tuition Refund, **$5 fee** in person (No fee for online transactions) [1,2] Last day to Drop/Withdraw without a "W" grade on Academic Record [1]
Feb 15	**Presidents' Day (Federal & State Holiday)** [3]
Mar 05	*Non- Instructional Day: Hawai'i Student Success Institute (Tentative)*
Mar 11	Last Day for students to submit Fall 2020 Incomplete ("I") make-up work to instructors
Mar 15	Last day to apply for SPRING 2021 GRADUATION and CEREMONY
Mar 15-19	***Spring Recess***
Mar 25	Last Day for Instructors to submit Fall 2020 Incomplete ("I") make-up grades to the Records Office Last day to change to CR/NC and AUDIT grading options
Mar 25	DROP PERIOD ENDS - Last day to Drop/Withdraw with a "W" grade on Academic Record [1]
Mar 26	**Prince Jonah Kūhiō Kalaniana'ole Day (Holiday)**
Apr 01	Last day to CHANGE MAJOR for Fall 2021 Early Registration
Apr 02	**Good Friday (State Holiday)** [3]
Apr 05	Registration for Summer/Fall 2021 classes begins (Please refer to MyUH Services for updates).
May 10-14	EVALUATION PERIOD (See *FINAL EXAM SCHEDULE*)
May 14	**SPRING SEMESTER ENDS SPRING 2021 GRADUATION**
May 17	FACULTY DEADLINE to submit grades for Spring 2021 via MyUH Portal by 4:00 p.m. HST

SUMMER 2021

MAY 24 – AUGUST 13, 2021

Please refer to MyUH Portal for updates (myuh.hawaii.edu)

April 05	Registration for Summer/Fall 2021 classes begins *(Please refer to MyUH Portal for updates.)*
May 24	Summer Session I begins (May 24 - July 02 Session
May 31	*Memorial Day (Federal & State Holiday)* [3]
Jun 11	*King Kamehameha I Day (State Holiday)* [3]
Jul 05	*Independence Day (Federal & State Holiday)* [3]
Jul 06	Summer Session II begins (July 06 - Aug 13 Session)
Aug 16	FACULTY DEADLINE to submit grades for Summer 2021 via MyUH Portal by 4:00 p.m.
Aug 20	*Statehood Day (State Holiday)* [3]

Notes for Fall, Spring and Summer Academic Calendars:

- Please refer to the Honolulu CC website *www.honolulu.hawaii.edu* for updated information.
- Students may access grades via MyUH Services.
- Weekend classes will meet before Monday holidays/recesses and following Friday holidays/recesses. Exception: no classes will meet the weekend following Spring Recess.

[1] *Withdrawal and Drop Dates are different for classes that are NOT semester-length or a full summer session. See ACADEMIC REGULATIONS-REGISTRATION in this catalog, or Class Availability at www.myuh.hawaii.edu, or contact the Records Office.*

[2] *Refund Dates are different for classes that are NOT semester-length. See TUITION & FEES-REFUNDS in this catalog, or Class Availability at myuh.hawaii.edu, or contact the Business Office.*

[3] *On Federal Holidays, classes scheduled on Military Bases and labs associated with Military-Base classes will not meet. On State Holidays and Recesses, classes scheduled at other facilities will not meet.*

Academic Calendars

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COMMENCEMENT 2019

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GRADUATION & PERSISTENCE

PARKING & TRANSPORTATION

Circa 1972

ABOUT THE COLLEGE

History of the College

Honolulu Community College (Honolulu CC was established in 1920 as the Territorial Trade School in Kapālama. Subsequently, it became part of McKinley High School, but was later reestablished as Honolulu Vocational School. It became the Honolulu Technical School in 1955 before becoming part of the University of Hawai'i as a result of the Community College Act of 1964. In 1966, the Board of Regents approved the name Honolulu Community College and authorized the school to grant Associate in Arts and Associate in Science degrees.

As one of seven schools comprising the UH Community College System, Honolulu CC experienced rapid growth between 1966 and 1976 and has evolved into a fully comprehensive community college. The Main Campus, a short distance from the heart of Honolulu on Dillingham Boulevard, offers liberal arts instruction leading to a two-year Associate in Arts degree, allowing students to transfer credits to achieve junior class standing at four-year higher education institutions within the State. The college also has facilities near Honolulu International Airport, at Kalaeloa Airport (Kapolei), on Kōkea Street, and at Sand Island that currently offer Associate in Science, Associate in Applied Science, and Associate in Technical Studies degrees. Certificate programs in more than twenty Career and Technical Education areas that are integrated with a strong general education "core'' help Honolulu CC provide an educated citizenry for the workforce of the State of Hawai'i.

Accreditation

Honolulu CC is a member of the American Association of Community Colleges and the Western Association of Schools and Colleges, and has been continuously and fully accredited since 1970 by Accrediting Commission for Community and Junior Colleges, Western Association of Schools and Colleges.

Philosophy and Mission

The Hawai'i Community College Act of 1964 established the UH Community College System. As amended by the "University of Hawai'i Community College Plan" (November 1977), the purposes of the University of Hawai'i Community Colleges are to:

- Broaden access to higher education in Hawai'i by providing the opportunity for any high school graduate or adult aged 18 or older to enter quality educational programs within his or her community

- Specialize in the effective teaching of diverse liberal arts and sciences so that community college graduates are prepared to enter the workplace or advance with confidence toward baccalaureate degrees.

- Provide semiprofessional, technical and vocational education and training that prepares students for immediate employment and supplies the paraprofessionals, technicians, and crafts people needed for Hawai'i's businesses and industry.

- Offer continuing education in the form of general and customized employment training, as well as non-credit instruction that emphasizes occupational advancement, career mobility, and personal enrichment.

- Contribute to the cultural and intellectual life of communities throughout Hawai'i by sharing leadership, knowledge, problem solving skills, and informational services; by offering forums for the discussion of ideas; and, by providing venues in which community members can both exercise creativity and appreciate creative work of others.

Additionally, the State Apprenticeship Law of 1977 states that "Related instruction for apprentices, coordination of instruction with job experiences, and the selection and training of teachers and coordinators for instruction shall be the responsibility of the Community College Division of the University of Hawai'i."

With these purposes to uphold, Honolulu CC is committed to a comprehensive offering of career and

GENERAL INFORMATION

technical and liberal arts programs as well as continuing education courses. The college offers an open-door admissions and equal opportunity for all students regardless of their prior educational experience, quality teaching, affirmative action for non-traditional students, and responsiveness to the community's needs for up-to-date technical training.

Consistent with the missions mentioned above as well as the mission of the University of Hawai'i System and the State Vocation Master Plan, the mission of Honolulu CC is based on the belief that:

- Education is a lifelong process;
- Universal access to quality higher education is available to everyone;
- Education takes place in a learning-centered environment;
- Promotion of citizenship and individual community involvement is expanded through education; and,
- Continuous evolution to ensure that students are prepared for the realities of participation in an ever-changing society is paramount.

Honolulu Community College Mission

Honolulu Community College provides accessible educational opportunities through an engaging learning environment that values academic excellence and personal growth of all students, with a kuleana (responsibility) to Native Hawaiians and our community, through career, liberal arts, technology, transfer, and professional training programs.

Core values

- Student-Centered and Student Focused –offering a supportive, high quality learning environment that guides students through their college pathway to become contributing members and leaders of our community.
- Community and Industry Partnerships – fostering educational partnerships with state-registered apprenticeship programs, local industries, and other organizations to create diverse academic and training opportunities.
- Indigenous Serving – supporting the Native Hawaiian community and its language, history, and culture.
- Sustainability – creating a culture of social responsibility around the conservation of resources and creating a foundation for environmental stewardship.
- Diversity and Equity – maintaining an equitable multicultural environment where all aspects of diversity are appreciated and respected.

Ko Ke Kulanui Kaiāulu ʻo Honolulu ʻŌlelo Kumu

ʻO ka hana kumu o ko Ke Kulanui Kaiāulu ʻo Honolulu e hoʻoholo i ka hoʻonaʻuaao ʻana i nā haumāna like ʻole āpau ma nā hana aʻo pono he nui, me nā hana e holomua ai i nā mea kumu manaʻo pono, ka paipai ʻana i ka hoʻoulu pono i nā haumāna āpau, me ke kuleana e lawelawe i nā haumāna ʻōiwi Hawaiʻi a e lawelawe i nā kānaka o ke kaiāulu e huli ana i ke ola ame ka naʻauao no ka pono o nā lāhui kānaka a puni ka honua, ma nā papa hana hana noʻeau, ke kākoʻo ʻana i nā haumāna e makemake ai e hele i ke kulanui ame nā papa hana ʻoihana pākōlea like ʻole.

Nā ʻOiaʻiʻo Pili Kino Ponoʻī

No ka pono o nā haumāna— no ke kākoʻo ʻana i nā haumāna e hele ana i ke kulanui kaiāulu nei, e mālama i kahi kulanui kaiāulu maikaʻi aʻe noka hoʻoulu ʻana i ua mau haumāna nei e lilo i kupa pono a alakaʻi pono no ka pono o ka lehulehu.

No nā pilina kaiāulu ame nā pilina ʻoihana like ʻole— no ka hoʻopaipai ʻana i nā pilina naʻauao me nā papa hana ʻoihana i hoʻāpono ʻia e ka Mokuʻāina ʻo Hawaiʻi, nā ʻoihana kūloko o Hawaiʻi ame nā hui ʻē aʻe e hoʻokumu i nā hana hoʻonaʻauao like ʻole ame nā papa hana hoʻomaʻamaʻa he nui.

No ka lawelawe ʻana i nā haumāna ʻōiwi Hawaiʻi— no ke kākoʻo ʻana i nā kānaka ʻōiwi Hawaiʻi ame ka hoʻoulu ʻana i ke ola o ka ʻōlelo Hawaiʻi, ke kuamoʻo ponoʻī o Hawaiʻi, ame nā ʻike ame nā hana o ko Hawaiʻi pae ʻāina.

No nā hana mālama pono ʻana i ko ka honua— no ke kākoʻo ʻana mai i nā hana pono e pili ana i ka mālama ʻana i nā mea ulu, ame ka hoʻokahua ʻana i nā hana pono i waena o kekahi i kekahi, ame nā mea maoli ko ke ao nei.

No ka pono o nā lāhui kānaka a puni ka honua— no ka mālama ʻana kekahi i kekahi me ke kaulike, ka mahalo ʻana, ame ke aloha.

Institutional Learning Outcomes

Honolulu Community College defines the following six core competencies as its Institutional Learning Outcomes:

- Critical Thinking – Effectively analyze arguments, assumptions, and problems and draw conclusions.

- Information Literacy – Form strategies to locate, evaluate, and apply information, and know the ethical and legal issues surrounding information and information technology.

- Effective Communication – Actively express and exchange ideas through listening, speaking, reading, writing, and other modes of interpersonal expression.

- Quantitative Reasoning – Effectively analyze numerical data, solve quantitative problems, and apply mathematical concepts.

- Career Preparation – Demonstrate knowledge and skills to successfully move to a baccalaureate education or selected vocation.

- Community Awareness and Social Responsibility – Demonstrate and apply an understanding of moral and ethical issues that pertain to the environment, social justice, and cultural diversity.

EDUCATIONAL FACILITIES

The Main Campus of Honolulu Community College occupies over 20 acres and has been almost totally rebuilt since 1970. Shops and laboratories equipped with appropriate tools and supplies are maintained for instructional programs in over twenty career and technical areas, and modern classrooms and laboratories have been built for liberal arts courses.

CAMPUS CENTER BUILDING: The Campus Center Building offers a modern central setting for student activities, as well as specialized instructional facilities for Communication Arts; Architectural, Engineering and CAD Technologies; Computer Science; and, the Pacific Center for Advanced Technology Training.

TRADE-INDUSTRIAL COMPLEX: A trade-industrial complex provides up-to-date facilities for training in many trade areas. Students working toward associate degrees use the complex during the day in Carpentry, Refrigeration and Air Conditioning, and Welding. Apprentices and journeyworkers in thirty different trades are trained in the trade-industrial complex and in shops and classrooms throughout the campus during evening hours and on weekends.

AIRPORT TRAINING CENTER: The Aeronautics Maintenance facility at Honolulu International Airport includes completely equipped shops which meet Federal Aviation Agency requirements.

AUTOMOTIVE TECHNOLOGY (AMT) AND DIESEL MECHANICS (DISL) FACILITY: Two transportation technology facilities are located on Kōkea Street, makai of the main campus. The facilities house well-lighted classrooms and airy shops that complement both theoretical learning and hands-on training in Automotive Technology and Diesel Mechanics Technology. The Automotive facility is used during the evening hours and on weekends for in-service skill training.

MARINE EDUCATION AND TRAINING CENTER: The Marine Education and Training Center at Sand Island began operations in 1995 and is home to the Small Vessel Fabrication and Repair Program (MARR).
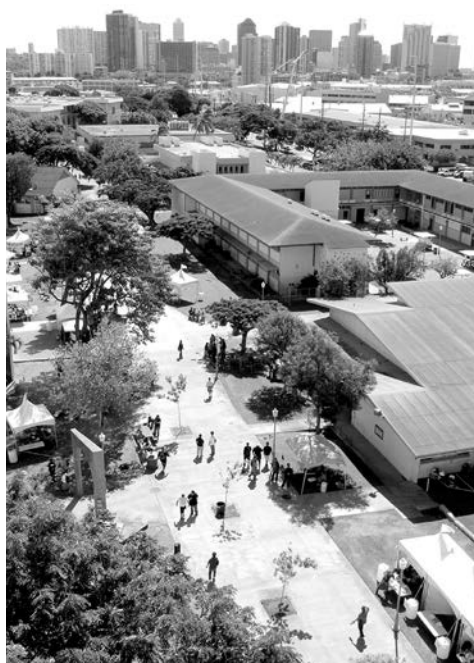
CAMPUS SAFETY AND SECURITY

Website: *www.honolulu.hawaii.edu/security*

The Campus Safety and Security Report is provided in compliance with the Campus Security Act of 1990 and available on-line at *www.honolulu.hawaii.edu/security*. This annual security report contains: crime statistics; policies regarding security and access to campus facilities, procedures for reporting crimes and other emergencies; information on sexual assault and rape awareness programs, procedures to follow when a sex offense occurs, disciplinary action procedures, and available counseling assistance; policies on the use, possession and sale of alcoholic beverages and illegal drugs; and a description of programs that promote campus safety. Upon request, a copy of the report is available from the Office of the Dean of Students. Security policies and procedures are designed to ensure that every possible precautionary measure is taken to protect persons and property. However, you need to be aware that preventive efforts on your part can effectively reduce your chances of becoming a victim.

Security Escort Services within the main campus site are provided for faculty, staff or students needing such services. Call Campus Security at 284-1270.

Campus Security Policy to Address the Campus Sex Crimes Prevention Act of 2000: In compliance with the Campus Sex Crimes Prevention Act (CSCPA) of the Campus Security Department for the University of Hawai'i - Honolulu Community College is providing the following link to the Hawai'i Criminal Justice Data Center where information regarding registered sex offenders in the State of Hawai'i can be found.

www.sexoffenders.ehawaii.gov/sexoffender/search.html

Additional Safety Policies: The use of skateboards, roller skates, and in-line skates is prohibited on Campus. Mopeds, scooters, and motorized bicycles cannot be operated on the Campus Mall.

GRADUATION AND PERSISTENCE RATES

This information is provided for the Student Right-to-Know Act, Public Law 101-542. It provides a partial description of the graduation and enrollment patterns of students. It should not be used to infer or predict individual behavior.

UNIVERSITY OF HAWAI'I

GRADUATION AND PERSISTENCE RATES, FALL COHORTS
FIRST-TIME, FULL-TIME, DEGREE OR CERTIFICATE-SEEKING UNDERGRADUATES

	Fall 2013 Cohort					Fall 2016 Cohort					
	Mānoa	Hilo	West Oʻahu	Maui* Bachelor	Maui* Assoc/Cert	Hawaiʻi	Honolulu	Kapiʻolani	Kauaʻi	Leeward	Windward
GRADUATION RATE - 150% of normal time to completion	61%	44%	28%	#	19%	27%	27%	21%	24%	21%	28%
Gender											
Men	58%	41%	25%	#	17%	32%	27%	19%	23%	17%	29%
Women	62%	46%	29%	#	20%	23%	25%	22%	25%	25%	27%
IPEDS Race/Ethnicity											
Nonresident Alien	60%	38%	#	#	#	#	#	33%	#	50%	#
Hispanic/Latino	51%	41%	16%	#	7%	27%	16%	6%	15%	20%	38%
American Indian or Alaska Native	#	#	#	#	#	#	#	#	#	#	#
Asian	76%	49%	30%	#	29%	33%	32%	24%	42%	24%	47%
Black or African American	41%	#	#	#	#	#	#	#	#	20%	#
Native Hawaiian or Other Pacific Islander	45%	33%	#	#	21%	16%	16%	14%	#	8%	21%
White	43%	49%	#	#	17%	32%	25%	12%	24%	26%	24%
Two or more races	59%	44%	24%	#	16%	26%	26%	15%	18%	20%	25%
Race and ethnicity unknown	#	#	#	#	#	#	#	#	#	#	#
Federal Grant/Loan Recipient											
Recipient of a Federal Pell Grant	57%	42%	25%	#	18%	24%	24%	19%	28%	20%	27%
Recipient of a subsidized Stafford Loan who did not receive a Pell Grant	63%	50%	33%	#	18%	35%	35%	21%	22%	20%	32%
Student who did not receive either a Pell Grant or a subsidized Stafford Loan	55%	35%	21%	#	21%	26%	26%	22%	22%	24%	21%
PERSISTENCE RATE - Still enrolled after 150% of normal time to completion	3%	2%	3%	#	19%	13%	13%	19%	20%	15%	8%
TRANSFER OUT RATE	N/A	N/A	N/A	N/A	13%	10%	18%	18%	12%	16%	14%

A pound sign (#) denotes any cohort/subcohort with fewer than ten students.
*Initial First-time, Full-time Bachelor's degree-seeking cohort began at Maui College in Fall 2013. Associate's degree and certificate-seeking students are reported as a subcohort of students that also began in Fall 2013.

This information is provided for the Student Right-to-Know Act, Public Law 101-542. It provides a partial description of the graduation and enrollment patterns of students.
It should not be used to infer or predict individual behavior.

Institutional Research and Analysis Office, University of Hawai'i, February 2020

PARKING AND TRANSPORTATION

Bus Pass Program

WEBSITE: *www.honolulu.hawaii.edu/upass*

Honolulu CC is conveniently located where many bus routes cross. For current bus information call 848-5555 or visit *www.thebus.org*. TheBus University Bus Pass Program or U-Pass is a reduced rate bus pass tailored to the needs of Hawai'i's college students. The U-Pass may be purchased at the Honolulu CC Cashier's Office in Building 6 with a valid UH System ID Card. For more information on U-Pass, visit *www.thebus.org/Fare/U-Pass_HCC.asp*.

Parking

WEBSITE: *www.honolulu.hawaii.edu/parking*

Students who park vehicles on the Honolulu CC campus during the Fall, Spring and Summer Semesters are required to display parking permits. Specific dates, procedures, and information are included in the Honolulu CC Registration Guide (*www.honolulu.hawaii.edu/registration*). Parking Lot locations may be found on the campus map inside the back cover of this Catalog or at *www.honolulu.hawaii.edu/map*. Parking regulations are posted at *www.honolulu.hawaii.edu/parking*.

PURCHASING PARKING PERMITS:

Students may purchase permits at the Honolulu CC Cashier's Office on the first floor of Building 6 from 8:00 a.m.- 4:00 p.m. on the dates specified in the Honolulu CC Registration Guide (*www.honolulu.hawaii.edu/ registration*).

1. When buying permits students must:

    a) Have paid their tuition and fees IN FULL or enrolled in a Payment Plan;

    b) Present a valid and current Driver's license;

2. Students may purchase permits for the following: (cash, check, or debit card)

    a) Student Permits $20

    b) Apprenticeship Permits $20

    c) Motorcycle Permits (Lot 2) $5

    Please note that parking permit fees are non-refundable and are subject to change.

Parking permits are purchased at the Cashier's Office.

PERMIT INFORMATION:

1. **STUDENT PARKING LOTS** are Lots 1, 1C, 3, 7, and 8. Lots 4 and 4A are Faculty/ Staff lots which can be used by students during designated hours. All students are encouraged to purchase a parking permit and park on campus.

2. **MOTORCYCLE PARKING PERMITS (LOT 2)** are required for motorcycle parking on campus. Parking is restricted to designated areas in LOT 2.

3. **DISABILITY PARKING (LOTS 1 & 3):** Use of disability parking stalls requires that students purchase a student parking permit. Student Disability Parking expires when the Disability Parking ID expires or when the semester ends, whichever comes first. For more information on disability services, visit *www.honolulu.hawaii.edu/disability* or call 844-2392 (voice/text).

    If disability parking stalls are occupied, parking is permitted in any marked parking stall on campus.

4. For more PARKING information, please refer to the website *www.honolulu.hawaii.edu/parking*.

Campus Traditional Hale

Niuhelewai Campus Mural

New Children's Center Playground

SERVICES FOR STUDENTS

ACADEMIC COUNSELING

BOOKSTORE

C.A.R.E

CAREER SERVICES

CHILD CARE

COMPUTER LAB

FOOD SERVICE

HAWAIIAN CENTER

HEALTH OFFICE

HOUSING

LIBRARY

STAR

STUDENT ACCESS

STUDENT LIFE

TESTING AND TUTORING

TRIO-STUDENT SUPPORT SERVICES

WELLNESS CENTER

WRITING CENTER

ACADEMIC COUNSELING

WEBSITE: *www.honolulu.hawaii.edu/counseling*
EMAIL: honcouns@hawaii.edu
PHONE: (808) 845-9162
FAX: (808) 356-0962
OFFICE HOURS: See website above for the most current schedule

Academic Counseling is available to assist students in assessing their educational needs, career interests, academic qualifications, and selection of an appropriate degree program. Information on program requirements, program status and eligibility, course placement, course sequencing, course selection, registration, transfer, credit by exam, and graduation is also provided. Counselors also assist with financial aid and VA Education benefits certification, counseling related to academic success, course waiver/substitution, STAR Graduation Pathway set-up and review, and transcript evaluation.

To schedule an appointment with an Academic Counselor please use the UHCC MySuccess system or by calling the Academic Counseling office at (808) 845-9162.

New Student - Registration

WEBSITE: *www.honolulu.hawaii.edu/welcome*

Prior to attending a registration session, online New Student Orientation must be completed at www.honolulu.hawaii.edu/welcome. At a New Student Registration session, students receive academic advising about program requirements, college offerings, student support services, academic tools, and information on academic regulations. Assistance is given for course selection. A New Student Registration session is required for all incoming new students and it is suggested they register for an early session for best course availability.

Prospective Student Information

WEBSITE: *www.honolulu.hawaii.edu/admissions*
EMAIL: honcc@hawaii.edu

Counseling is available to help prospective students select an appropriate degree program. Academic Counselors will assist students in assessing their educational needs, career interests, and academic qualifications. Information is shared regarding program requirements, services, and help students decide which degree program to undertake at Honolulu Community College.

INFORMED CONSENT/CONFIDENTIALITY: Informed Consent and Confidentiality expectations can be viewed at *www.honolulu.hawaii.edu/node/190*

To schedule an appointment with a Counselor call the Academic Counseling office at (808) 845-9162.

BOOKSTORE

WEBSITE: *www.bookstore.hawaii.edu/hcc*
PHONE: 845-9105
EMAIL: hccbooks@hawaii.edu

The bookstore is located on the first floor of Building 2 across from the student lounge. The bookstore is open during the Fall and Spring semesters Monday to Thursday from 8:00 a.m. - 5:00 p.m. and Friday from 8:00 a.m. - 12:00 p.m. During the Summer semester the bookstore is open 8:00 a.m. - 3:30 p.m. Monday to Friday. The bookstore is closed recesses and holidays. Please see the bookstore website for the most up-to-date schedule. The bookstore provides the required textbooks, art materials and school supplies for all courses as well as a wide variety of beverage and snack options. The bookstore is also the main source for Honolulu Community College apparel and gear.

SERVICES FOR STUDENTS

COLLEGE ACHIEVEMENT AND RETENTION EXPERIENCE (C.A.R.E.)

WEBSITE: *www.honolulu.hawaii.edu/care*
EMAIL: honcare@hawaii.edu
PHONE: Donald Frost at 845-9284, Ina Miller-Cabasug at 844-2353
HOURS: Monday - Friday from 8:00am - 4:30pm
LOCATION: Building 7 room 325

The College Achievement and Retention Experience (C.A.R.E.) program provides proactive, innovative, and high touch outreach to assist students attending Honolulu Community College. C.A.R.E. staff members are available to work closely with students who may need guidance and support by connecting them to resources, academic coaching, improving study skills, and creating a personalized success plan. No matter the barriers keeping students from success, the C.A.R.E. program wants to help by providing the most personalized and effective service possible.

CAREER SERVICES

WEBSITE: *www.honolulu.hawaii.edu/career*
PHONE: 845-9204 for information or to schedule appointment
HOURS: Monday-Friday, 8:00 a.m.-4:30 p.m.

The Career Services Center provides a variety of programs and resources to assist students and graduates. Whether seeking a full-time or part-time job, the staff is available to provide guidance through the on and off campus job search process. Register at *www.sece.its.hawaii.edu/sece* for On-Campus, Federal Work Study, or Off-Campus employment.

Students may also find assistance in career counseling, career assessments, career exploration, resume and cover letter writing, interview preparation, career fairs, and career readiness presentations.

CHILD CARE

WEBSITE: *www.honolulu.hawaii.edu/keiki*
PHONE: 845-9466

Keiki Hau'oli Children's Center is the primary training site for Early Childhood students enrolled in certificate and degree programs at Honolulu CC. The Center is nationally accredited by the National Association for the Education of Young Children and provides quality care and learning opportunities for children of Honolulu CC students, faculty and staff, and the community (when space is available). The Center is staffed by teachers who are trained in Early Childhood Education, by Honolulu CC teacher trainees under the supervision of a college instructor, and by employed student assistants. Presently there are three classrooms: Infant, Toddler, and Preschool. Space is limited and students, faculty members, and staff members are encouraged to apply early.

PRIORITY FOR ENROLLMENT: Priority for Children's Center enrollment will be given to:

1) Previously enrolled children of current Honolulu CC students;

2) Children of Honolulu CC students who are single parents and financial aid recipients; and,

3) Children of full time Honolulu CC students.

Parents of children must be Honolulu CC students carrying at least six credits or Honolulu CC faculty or staff members. Up to 25% of total enrollment may be reserved for faculty and staff children. Any unfilled faculty and staff slots may be allotted to children of Honolulu CC students.

AGES: **INFANTS** 3–20 months

TODDLERS 20–36 months

PRESCHOOL 3–5 years

FEES: See *TUITION & FEES*.

THE FACILITY is located in Building 11, adjacent to Building 2. The Children's Center Office is in Building 2, Room 212. Classroom hours are below.

HOURS:	INFANT PROGRAM	7:30 a.m. to 3:30 p.m., or 8:00 a.m. to 4:00 p.m. Monday–Thursday 7:30 a.m. to 2:00 p.m. Friday
	TODDLER PROGRAM	7:30 a.m. to 3:30 p.m., or 8:00 a.m. to 4:00 p.m. Monday–Thursday 7:30 a.m. to 2:00 p.m. Friday
	PRESCHOOL PROGRAM	7:30 a.m. to 4:00 p.m. Monday–Thursday 7:30 a.m. to 2:00 p.m. Friday

The Children's Center observes all college holidays and non-instructional days. For a complete listing see *ACADEMIC CALENDAR*.

COMPUTER LAB FACILITIES

WEBSITE: *www.honolulu.hawaii.edu/computerlab*

With the growing importance of computer based technology in all areas of life and work, the college provides a variety of Computer Labs and Computer Classrooms for various subject areas and programs. These include Computer Labs for Information and Computer Science as well as computer-assisted drafting and design (CADD) (Building 2, 6th Floor), Math (Building 7, 4th Floor), Writing Center (Building 7, 5th Floor), and Computer Labs in the Student Success Center (Building 7, 3rd Floor), Hawaiian Center, and departments of Communication Arts and Natural Science.

The Campus Open Computer Lab in Building 2, Room 405 offers Windows and Macintosh systems, printers and scanners for student use. Paper packets for printing are also available for purchase at the Honolulu CC Bookstore. For more information visit *www.its.honolulu.hawaii.edu* or phone 845-9293.

FOOD SERVICE

WEBSITE: *www.honolulu.hawaii.edu/node/2166*

Hale `Aina, the campus cafeteria operated by Honolulu Kitchen, serves breakfast, lunch, dinner, and a variety of small food items and drinks. During the academic year, they are open Monday through Saturday, with varying hours.

Food and drink options are also available at The Hub (a coffee kiosk located on the mall -- fronting Bldg 2), the Bookstore (located on the first floor of Bldg 2), and at various vending machines on campus.

Detailed food service information, including hours of operation, can be found on the HonCC website.

HAWAIIAN CENTER

Hulili Ke Kukui Hawaiian Center (The Blazing Light of Knowledge)

WEBSITE: *www.honolulu.hawaii.edu/hawaiian*
PHONE: 844-2345
EMAIL: hulilik@hawaii.edu
Kaleialoha Lum-Ho, Hawaiian Center Coordinator
(845-9176; lumho@hawaii.edu)
Kahale Saito, Native Hawaiian Counselor (845-9112; fsaito@hawaii.edu)

HULILI KE KUKUI
HAWAIIAN CENTER

Honolulu Community College

The Hulili Ke Kukui Hawaiian Center is committed to actively preserve and perpetuate Hawaiian culture and values. The Hawaiian Center offers an array of comprehensive services that strengthens the college's educational programs and enable students of Hawaiian ancestry to succeed in their academic, career and individual endeavors.

The Center is open to ALL students and faculty and services include:

- Study Space
- Peer Mentoring
- Computer Lab & Printing
- Mālama ʻĀina Days
- Cultural Enrichment Workshops
- Guest Speakers
- Native Hawaiian Counselor
- Scholarship Application Assistance

Poʻi Nā Nalu Native Hawaiian Career & Technical Education Program

WEBSITE: *www.honolulu.hawaii.edu/hawaiian/poinanalu*
EMAIL: nanalu@hawaii.edu

Greg Kashigi, Program Manager (844-2322; gkashigi@hawaii.edu)
Ariana Akaka, Academic Support Coordinator (844-2323; arianaa@hawaii.edu)
Kathleen Ballesteros, Educational Specialist (844-2347; ks@hawaii.edu)

Poʻi Nā Nalu (Where the Wave Breaks) is the Native Hawaiian Career and Technical Education Program (NHCTEP) at Honolulu Community College. The program is sponsored by Alu Like, INC and funded through a Carl Perkins Grant from the US Department of Education. The goal of the program is to prepare Native Hawaiian students with options for careers in the global economy through the completion of a vigorous and culturally appropriate career and technical education degree program. Resulting degrees and certificates serve as preparation for employment in high demand, high skill or high wage careers in Hawaiʻi ʻs sectors of the global economy.

The Program is eligible to students who are:

1. Native Hawaiian

2. Enrolled in a Career & Technical Education or STEM program at Honolulu Community College

   (Honolulu Community College must be your home campus)

3. Completed at least one semester of college

4. In good academic standing (min cum GPA of 2.0)

Participating students can access a variety of support services including:

- College & Career Development Workshops
- Cultural Enrichment Workshops
- Financial Literacy Workshops
- Field trips to four-year campuses, cultural sites and career fields
- Tutoring and Peer Mentoring
- Academic Advising
- Loan out program (text books, laptops, electronics, etc., for ACTIVE students only)
- Makawalu College Transfer Conference to visit UH Mānoa, UH West Oʻahu and other Oʻahu Four-Year Campuses (for ACTIVE students only)
- Kau Wela Summer Bridge (FREE core classes - for ACTIVE students only)
- Paid internships (for ACTIVE students only)
- Paid Membership Fees
- Class certification/licensure support (for ACTIVE students only)

If you meet the eligibility requirements and you are interested in applying for Poʻi Nā Nalu, please visit our website or email us at nanalu@hawaii.edu.

Hoʻāla Hou: Renewing a Pathway to Student Success

Website: *www.honolulu.hawaii.edu/hawaiian/hoalahou*
phone: 845-9489
Contact: Paul Kalani Kaʻawa Flores, Jr., Instructor, Culture and Place-Based Campus Coordinator, Title III Grant Coordinator (845-9489; pflores@hawaii.edu)
Abraham Keʻala Alama, Retention Specialist (845-9447; aalama@hawaii.edu)
Jarena Pacarro, Native Hawaiian Culture and Place-Based Specialist (845-9431; pacarroj@hawaii.edu)
Rochelle Midro, Multimedia Specialist (845-9449; rmidro@hawaii.edu)

"Hoʻāla Hou" is a Title III funded program at Honolulu Community College that proposes to increase access, enrollment and successful completion of academic credentials of Native Hawaiian students. The first goal of the program is to establish an enrollment pathway to Honolulu Community College for Native Hawaiian students and create a sense of place at the college for Native Hawaiians that is culturally significant and relevant. This will be done through a series of four activities which include: (1) Developing and implementing a culturally appropriate outreach and recruitment plan focused on increasing access and enrollment to the college by Native Hawaiians, (2) Creating a team of peer mentors to outreach to the community and establish community based partnerships, (3) Erecting a hālau (community gathering space) through traditional community building practices, and (4) Creating a digital cultural and historical bilingual (Hawaiian and English) tour of the campus and native plant species.

The second goal is to create a culture and place-based training program for faculty, staff, and administrators aimed at infusing Hawaiian culture, traditions and values in teaching, learning and service in order to support student success and completion. This will be done through a series of three activities which include: (1) Creating a culture and place-based training program based on the Hawaiian resource management system of ahupuaʻa and ʻIke ʻĀina, (2) Establishing a cohort of mentors to sustain what is learned through the training program, and (3) Using technology to deliver the training materials for future use.

HEALTH OFFICE

Website: *www.honolulu.hawaii.edu/health*
Email: hcchlth@hawaii.edu
Phone: 845-9282 voice/text

The Health Office, located on the first floor of Building 2, is open Monday-Friday from 8:00 a.m.-4:30 p.m. and provides first aid assistance, health education, and referrals to community agencies and services.

Services and activities are provided by a registered nurse for students currently enrolled at HONOLULU CC. NON-COLLEGE SERVICES, SUCH AS AMBULANCE AND EMERGENCY ROOM FEES, ARE NOT COVERED BY THE COLLEGE. Therefore, students should expect to pay these costs on their own.

No comprehensive health care is available at Honolulu CC. Therefore, students are encouraged to explore other medical and health options, such as the University of Hawaiʻi Medical Insurance Plan, which is designed for student needs and are less expensive than most other health insurance plans available to students. Brochures and applications on Student Health Plans are available at the Health Office.

Current information about activities and programs, medical insurance plans, and other health related matters may be found at the Health Office (phone 845-9282 voice/text, email: hcchlth@hawaii.edu, website: *www.honolulu.hawaii.edu/health*).

HOUSING INFORMATION

Website: *www.housing.hawaii.edu/och*

Honolulu Community College has no housing facilities and the College does not supervise, recommend, or assume responsibility for any housing facility. Options may be available within the University of Hawaiʻi System.

LIBRARY

WEBSITE: *https://library.honolulu.hawaii.edu/home*

EMAIL: honcclib@hawaii.edu
PHONE: 845-9199 Information & Reference
845-9221 Circulation
LOCATION: Building 7, Floors 1-2

The Library supports the mission of Honolulu Community College by assisting students, faculty, and staff in obtaining and using information resources effectively to enable and promote student learning.

The Library offers:

Resources
- Books (print and electronic)
- Magazines (print and digital)
- Research databases - articles from magazines, newspapers, and journals
- Collections of streaming videos and rights - cleared images
- Course reserve materials
- Online research guides

Support
- Research and information literacy skills instruction
- Walk-up, phone, and email reference assistance

Technology Services
- Computer workstations
- Fee-based laser printing and self-service photocopying
- Zero-cost digital scanner
- Mobile device charging stations

A Sense of Place
- Group study rooms for academic use
- Main floor - open collaborative space for sharing and discussion
- Upper floor - individual carrels/tables for independent quiet study
- Engaging seasonal displays and presentations

STAR

WEBSITE: *www.star.hawaii.edu*
(Login with MyUH Portal username and password)
EMAIL: honcouns@hawaii.edu
PHONE: 845-9162

STAR is the official arbiter of degrees for the University of Hawai'i System.

STAR provides students access to their academic record. STAR is an academic planning tool designed to help students navigate through college and their progress toward academic degree program completion. STAR highlights include:

- **GRADUATION PATHWAY:** Helps students prepare for registration and suggest courses to take each semester until they graduate. Provides proposed graduation date.

- **ACADEMIC ESSENTIALS:** Displays degree requirements and shows how students are progressing toward degree completion.

- **TRANSCRIPT:** Displays academic record per semester, grades, grade point average and transfer courses.

- **WHAT IF JOURNEY:** Provides information on how a student's current record satisfies course requirements for another degree in the University of Hawai'i system.

- **SCHOLARSHIP:** Provides a link to UH Foundation Scholarship information.

For more information please visit http://star.hawaii.edu/help/

STUDENT ACCESS

Website: *www.honolulu.hawaii.edu/disability*
Phone: 844-2392 (voice/text) or 845-9272 (voice/text)

In accordance with Section 84.4 of the Federal rules and regulations governing Section 504 of the Rehabilitation Act of 1973, 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 which receives or benefits from Federal financial assistance.

Through Student ACCESS, Honolulu CC provides coordinated services for students with documented disabilities. The following support services may be arranged on an individual basis:

- Application, admissions, financial aid, and registration assistance;

- Career and academic counseling;

- Campus orientation;

- Auxiliary equipment in the classroom such as portable tables, adjustable height drafting tables, adjustable chairs and electronic equipment such as digital recorders.

- Academic accommodations such as classroom materials in alternate formats, notetaker services, readers, scribes, distraction-reduced testing environments, sign language interpreters, and/or other academic support services as appropriate.

Text Teletype devices are available in:

Admissions	845-9270	Non-credit Registration Office	845-9296
Apprenticeship	845-9245	Operations and Maintenance	845-9142
Business Office	845-9142	Security	845-9273
Counseling	845-9162	Student ACCESS	845-9272
Health Office	845-9282		844-2392
Human Resources	845-9181	Switchboard	845-9211

Persons who are deaf, hard-of-hearing, or speech-impaired are invited to contact the College via the Telecommunications Relay Services by calling 711.

A campus accessibility map showing locations of ramps, rest rooms, elevator and disability parking stalls is available from Student ACCESS and at the Disability Access website (*www.honolulu.hawaii.edu/disability*).

- Students with official disability parking placard and ID card may purchase semester parking through the Cashier's Office.

For information regarding minimum essential mental, physical and behavior skills necessary for participation in and completing all core aspects of any Career and Technical Education curriculum, see Technical Standards for each program at http://*www.honolulu.hawaii.edu/cte*.

Students requesting special services must provide appropriate documentation and contact Student ACCESS as early as possible to allow sufficient time for services to be put in place. For further information contact Student ACCESS, located in Building 7, Room 302, phone 844-2392 (voice/text) or 845-9272 (voice/text). Documentation guidelines are also posted online at *www.honolulu.hawaii.edu/disability*.

STUDENT LIFE AND DEVELOPMENT

WEBSITE: *honolulu.hawaii.edu/studentlife/*
LOCATION: Building 2, 1st floor
EMAIL: hccsld@hawaii.edu

Honolulu Community College recognizes the need for active student involvement in college governance and the necessity for out-of-classroom enrichment experiences for the total development of the student. Student Life activities add a dynamic dimension to the college experience by providing new learning experiences and opportunities.

Campus Center

The Campus Center on the first floor in Building 2 includes offices for the chartered student organizations, the Student Lounge, the Bookstore, and the Student Health Office. The Student Life and Development Office, located on the Diamond Head side of the first floor, provides support for all student organizations on campus, houses the Lost and Found, locker rentals, bulletin board management, and produces Student IDs for the College.

The Chartered Student Organizations

Student organization leadership provides interested students the opportunity to learn and develop leadership skills. Student leaders learn meeting management, budget management, event planning, communication skills and individual and group decision-making and interaction techniques. The Charted Student organizations accept applications for leadership positions at all times of the year. For more information contact the Student Life office.

Student Media, *hccsmb@hawaii.edu*

The Student Media Board (SMB) is responsible for the formulation of policies, bylaws and procedures applicable to student publications in print and online media, as funded by the Publication Fee.

Students are encouraged to submit articles, stories, and photos. Participating in student media is a great means for students to voice themselves, build their resumes and gain experience in the world of journalism. Students who are interested need no experience; however, they need to be motivated and willing to work with deadlines.

Student Government, *hccsg@hawaii.edu*

The Student Government (SG) represents the voice of students on campus, in the UH System and beyond. The Student Government leaders serve on most college committees and work groups to ensure the student perspective is represented. It is through this important student organization that students play a prominent role in the governance of the College and the University System. All fee paying students are constituents of the Student Government of Honolulu Community College. (See also Tuition and Fees). You can always send your questions, comments or concerns about the student experience to the student government leaders: hccsg@hawaii.edu.

Student Activities Board, *hccsab@hawaii.edu*

The Student Activities Board (SAB) sponsors social, cultural, recreational and educational programs. It initiates activities and supports other campus clubs and organizations in delivering a wide range of interesting programs to the campus community. Events are on campus such as food socials, cultural celebrations, open mic, as well as events off-campus such as bowling, hiking, sports events and museums. The SAB also is the coordinator for our campus sports teams. We have had volleyball, basketball, softball, dodgeball and flag football teams. These teams play in an intramural league with other UH System schools. To stay up to date with the activities on Instagram: @honcc_sab

Registered Independent Student Organizations (RISOs)

Registered Independent Student Organizations (RISOs), often referred to as clubs, are groups of students with a common focus or interest. From Fashion Society and Justice Society to Sustainability Club and Korean Club, there are many groups on campus to choose from. If you don't see one of interest, any group of current students can create a new RISO by applying with Student Life. For more information contact the Student Life and Development Office in the Campus Center, on the first floor.

TESTING AND TUTORING (TNT)

WEBSITE: *www.honolulu.hawaii.edu/testingandtutoring*

The mission of the Testing and Tutoring (TNT) is to provide students with the academic support to become responsible and self-directed learners. Testing and Tutoring offers an array of campus-wide academic support services to assist students with their coursework and related activities. Testing and Tutoring delivers testing services (UH Community College System placement testing, distance education testing, on-campus make-up testing, non-UH testing, etc.); offers non-credit courses in placement test preparation in various modes (in-person, computerized, and/or combination of in-person and online instruction); coordinates service learning activities; offers instruction in college study skills; and provides tutorial services. For more information about CSC, visit Building 7, 3rd floor, or the website.

TRIO-STUDENT SUPPORT SERVICES

WEBSITE: *www.honolulu.hawaii.edu/trio*
PHONE: 844-2366
LOCATION: Building 7, Rm. 309

TRIO-SSS strives to provide a range of academic support, career guidance, transfer planning, and professional development opportunities to qualifying community college students who are first-generation in college, have a financial need, and/or disability and demonstrate strong academic potential. Students receive guided individualized assessment and planning, small group tutoring, mentoring, cultural and educational workshops, club and community service activities, and other academic support. For more information visit the TRIO-SSS website or call 808-844-2366.

WELLNESS CENTER

Business Hours: 8:00 - 4:00 pm
Appointment Hours: 9:00 - 2:00 pm
Phone: 845-9180
Email: hccwell@hawaii.edu
Website: www.honolulu.hawaii.edu/wellnesscenter

The Wellness Center Office provides confidential personal/crisis counseling and community referral services to registered students. Counseling services are strength based and solution focused to help students manage personal life issues and navigate their college experience. The office also provides outreach and educational services to the campus community in the context of mental health and violence prevention initiatives. Services include: classroom presentations, enrichment groups/activities, online mental health screenings and College SOS programming. Services are free and confidential. Scheduling of appointments is strongly encouraged. To schedule an appointment, please call 845-9180 or email hccwell@ hawaii.edu.

THE WRITING CENTER

Website: *www.honolulu.hawaii.edu/writingcenter*
Phone: 845-9477
Location: Building 7, Room 520

The Writing Center helps students become better writers and succeed in college. Writing Center coaches are trained to help improve any writing assignment and assist with all aspects of the writing process – brainstorming, outlining, thesis development, revision strategies, citations, and essay structure. The Writing Center also provides strategies to improve comprehension of challenging reading material. Appointments are available at no cost and include one-on-one conferences with tutors, and online and e-tutoring for Distance Learning students or students who are not able to be on campus. Schedule appointments online at *www.honolulu.hawaii.edu/ writingcenter* or call 808-845-9477.

ON CAMPUS ACTIVITIES
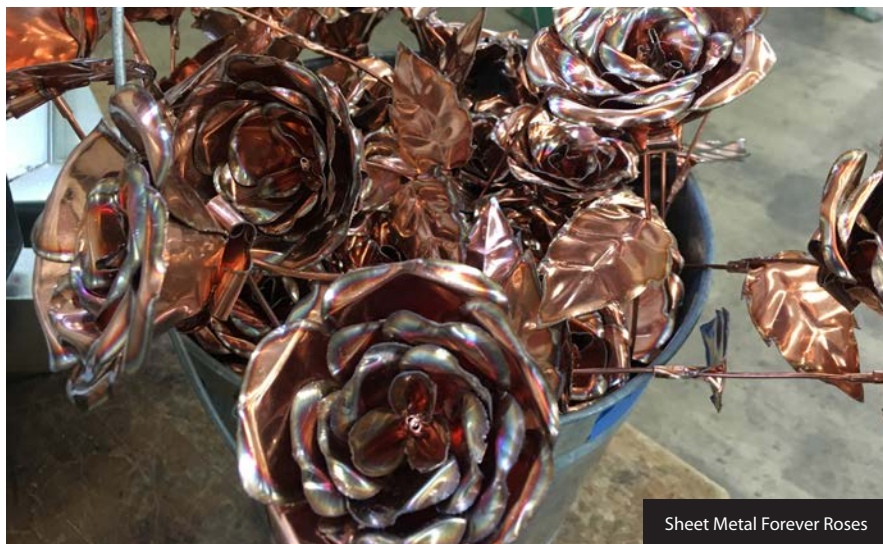
Sheet Metal Forever Roses

Trash to Treasures

Ho'olaule'a 2019
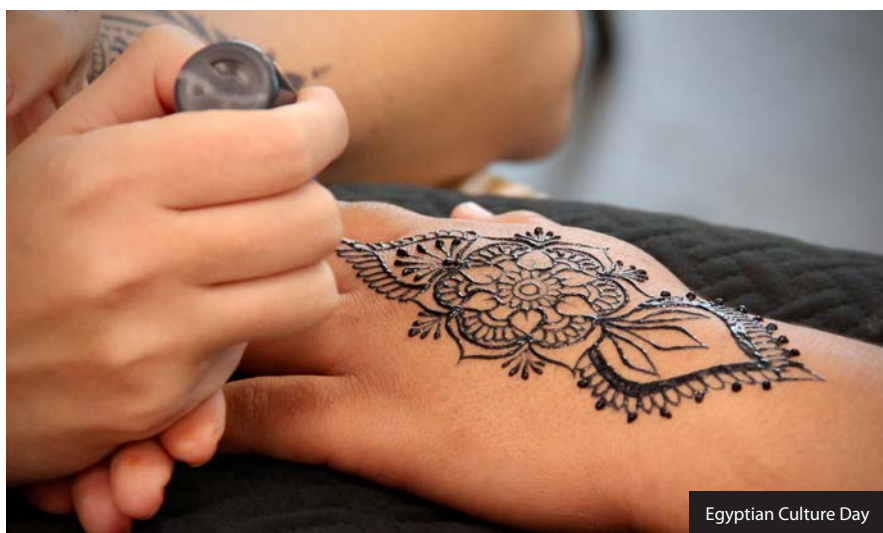
Egyptian Culture Day

PAYING FOR COLLEGE

TUITION

TUITION & FEES

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FINANCIAL AID

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SCHOLARSHIP PROGRAMS

CHANGES IN FINANCIAL STATUS

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RIGHTS & RESPONSIBILITIES

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TUITION

WEBSITE: *www.hawaii.edu/offices/app/tuition/*

All tuition and fee charges at University of Hawai'i campuses are subject to change in accordance with requirements of State law and/or action by the University of Hawai'i Board of Regents or College Administration.

Tuition and Fees (Per Semester)

All required tuition and fees must be paid by the student by the deadline or registration may be canceled. Students in need of financial aid may be assisted through the College's financial aid program.

Resident Tuition (per semester)

Tuition	$131.00 /credit
Activity Fee	$ 0.50-$5
Publication Fee	$ 5
Student Life Fee	$ 5

Non-Resident Tuition (per semester)

Tuition	$345.00/credit
Activity Fee	$ 0.50-$5
Publication Fee	$ 5
Student Life Fee	$ 5

Pacific Isle Institution Non-Resident Exemptions Tuition (per semester)

Tuition	$196.50/credit
Activity Fee	$ 0.50-$5
Publication Fee	$ 5
Student Life Fee	$ 5

Summer 2021 Tuition Schedule

(Please refer to the following website: *www.hawaii.edu/offices/app/tuition/*)

Residents	$248/credit
Non-residents	$357/credit

Payment Plan

WEBSITE: *www.honolulu.hawaii.edu/payment plan*

Students who have registered and cannot pay in full by the designated deadlines and have an unpaid balance of $300.00 or more may have the option to enroll in the Payment Plan. Students in the Plan are assessed $30.00 per semester and are expected to pay all financial charges incurred. For more Payment Plan information, please refer to the website at *www.honolulu.hawaii.edu/paymentplan*.

Non-Credit Course Tuition and Fees

Apprentice & Journey Worker	$0.50 per clock hour

(Fees for other non-credit courses vary. See course announcements for details.)

PAYING FOR COLLEGE

Non-Resident Application Fee

For non-residents, there is an application evaluation fee of $25.00.

Other Fees:

Books, Tools, and Other Supplies	Costs vary program to program and are noted in the *DEGREES* or *PROGRAM DESCRIPTION* sections of this catalog.
College Catalog	The College Catalog may be purchased at the College Bookstore. Postage and handling charges will be assessed. The Catalog is available for review at the Records Office and online at *www.honolulu.hawaii.edu/catalog*.
Child Care Fees *	For information about current fees and payment schedule, call 845-9466. There is a $150 comprehensive fee to hold a child's space in the program after Notification of Acceptance. A semester fee payable in four installments is charged. Children may not be allowed to continue if fees are not paid according to the payment schedule. * Financial Aid may be used for child care expenses. Contact the Financial Aid Office at 845-9116.
Credit by Examination	The charge is equivalent to 50% of the tuition of the course. (Based on the prevailing tuition and fee schedule.) Portfolio Based Assessment is charged 60% of the tuition of the course.
Dishonored Checks	**$25.00** service charge for checks made out to Honolulu Community College and returned for any cause.
Educational Record Copy	**$2.00** per copy (Includes Fee Statement copy)
Financial Obligations to the College	(See Student Services, Student Regulations.)
Graduation Fee	(See Degrees and Certificates, Graduation Information.)
Registration Fees: • **Late Registration Fee**	 **$30.00** for Fall and Spring Semesters
• **Change of Registration (Add/Drop Fee)**	**$5.00** fee for each Change of Registration Form used to add/ drop a course(s) in person. (The fee does not apply when replacing a canceled class. There is no fee for online transactions. If adding a course(s), the tuition balance in addition to the change fee will be assessed, if applicable. See Schedule of Tuition.)
Student Activity Fee (Not assessed for Summer Session)	**1–9 credits . . . . $0.50 per credit** **10 credits and above. . . . $5.00 (flat rate)**
Student Life Fee	**$5.00** per student per semester (Not assessed for Summer Session)
Student Publication Fee	**$5.00** per student per semester (Not assessed for Summer Session)
Transcript Fee	**$5.00 per transcript** For transcripts sent outside the University of Hawai'i System, for student copies, or for UH non-admission purposes. **$15.00 per copy** For 24-hour rush processing (Additional postage fees are charged for transcripts sent outside the United States.)

Tuition Waivers

Faculty/Staff Tuition Waiver

Faculty and staff may be eligible for tuition waivers. Employees must be employed on a half time basis or more to be eligible for tuition waivers at any campus for a maximum of six credits per semester.

PROCEDURES FOR WAIVER APPLICATION AND REGISTRATION:

1. Complete the University of Hawai'i (UH) Faculty/Staff Tuition Waiver Form and a Request for Tuition Waiver Form available online at *programs.honolulu.hawaii.edu/intranet/node/386*.

2. Obtain form approval from supervisor, and eligibility authorization from Human Resources.

3. Submit forms to the Business Office to receive the waiver.

4. New Students: submit an application to Admissions.
   Continuing Students: register online at *myuh.hawaii.edu*.

   Registration is during the Late Registration period on a space available basis. Faculty and staff who register before this period will be assessed all applicable tuition and fees. No refunds will be made, nor will changes be made in tuition status after registering.

5. Effective for the Fall 2009 term, tuition waivers for eligible faculty, staff, spouse, and/or domestic partner, must be received on-line or by the Business Office no later than the last day of the 50% refund period for which the waiver is being used.

Senior Citizens Visitor Program

Although UH Policy no longer provides tuition waivers for senior citizens, there are provisions for seniors who are not seeking credit. The Senior Citizens Visitor Program is available for seniors who are 60 years of age or older on the first day of instruction and who are residents of the State of Hawai'i. Contact the Admissions Office (808) 845-9129 for more information and application deadlines.

Other Tuition Waivers (See *FINANCIAL AID*.)

Tax Credit Information

For all University of Hawai'i Students, Parents, Faculty and Staff

Website: http://www.fmo.hawaii.edu/student_accounts/index.html#tab5_4

The Form 1098-T is a federal tax form which colleges and universities are required to issue in reporting qualified tuition and related expenses paid by each student (except for nonresident alien students) and the scholarships and grants awarded to each student for the calendar year.

Form 1098-T is informational only. Receipt of the Form 1098-T does not indicate eligibility for the tax credit.

The following are brief explanations of each of the tax credits.

The American Opportunity Tax Credit allows a maximum refundable tax credit of up to $2,500 for each eligible student for qualified tuition and related expenses paid during the first four years of undergraduate education. Qualified tuition and related expenses are tuition, fees, and course materials required for a student to enroll at or attend an eligible educational institution. This credit will be available only for the years 2009 through 2018, unless Congress decides to extend the credit to other years.

The Lifetime Learning Credit allows a maximum credit of up to $2,000 for eligible expenses paid during the calendar year. The Lifetime Learning tax credit applies to students in undergraduate, graduate and professional degree programs and to students enrolled in coursework to acquire or improve job skills. Students who are not eligible to claim the American Opportunity tax credit may be eligible to claim the Lifetime Learning tax credit.

What does this mean for UH students? A 1098-T form will be generated for all students, except nonresident alien students, who attended a University of Hawaii campus for credit classes and paid for qualified tuition and related expenses or received a scholarship or grant during the 2020 calendar year. Forms will be available for viewing in MyUH Portal by January 31, 2021. Contact your campus contact person if you need assistance.

How do I take advantage of these benefits? Please review the IRS Publication 970 and consult with a professional tax advisor to determine if you are eligible for any tax benefits for education and related issues. IRS Publication 970 will also provide information on how to claim these benefits.

Note: The Taxpayer Relief Act of 1997 requires the University to collect and use students' Social Security Numbers or ITINs to report qualified tuition and related expenses billed to students and scholarship and grant payments made to students to the IRS each year.

Refunds *(See Academic Calendar for Refund Schedule)*

TUITION AND SPECIAL COURSE FEES REFUND POLICY – REGULAR ACADEMIC SEMESTER:

1. 100% refund of tuition for Complete Withdrawal only if made on or before the last day of Late Registration (Add Period).

2. 100% refund of tuition for Change in Status or Tuition Rate if made on or before the last day of Late Registration (Add Period), unless otherwise stipulated by Federal regulations.

3. 50% refund of tuition for Complete Withdrawal or Change in Status or Tuition Rate if made after the Late Registration period (Add Period), but on or before the end of the Refund Period, (third week of instruction), unless otherwise stipulated by Federal regulations.

4. 0% refund if Complete Withdrawal or Change in Status or Tuition Rate is made after the Refund Period, unless otherwise stipulated by Federal regulations.

ACTIVITY FEE, PUBLICATION FEE, AND STUDENT LIFE FEE REFUND POLICY:

1. 100% refund if Complete Withdrawal is made prior to the first day of the term.

2. No refunds of less than $1.00.

PAYMENT OF REFUNDS: For a partial withdrawal, the student should receive a refund within four weeks following the end of the 50% refund period.

TUITION AND SPECIAL COURSE FEES REFUND POLICY – CONTINUING EDUCATION, SUMMER SESSION, AND OTHER SHORT-TERM COURSES:

1. The refund period shall be 20% of the instructional period. The instructional period includes all calendar days beginning from the first day of instruction and ending on the last day of instruction. No refunds will be made for courses where the instructional period is 10 days or less, except before the first day of instruction. Refunds for credit courses that are not semester long shall be as follows:

   a. 100% refund for Complete Withdrawl only if made before the first day of the term.

   b. 50% refund for Complete Withdrawal or Change in Status or Tuition Rate if made on or after the first day of the term, but on or before the end of the Refund Period as defined above, unless otherwise stipulated by Federal regulations.

2. For Non-Credit Courses or Workshops:

   Honolulu CC English Language Learner Options (HELLO) Transfer and Refund Policy: A request to transfer to another course or to completely withdraw from a course must be submitted by the fifth working day after the first class meeting. Thereafter, refunds will not be permitted.

   All other Continuing Education Courses: 100% Refund for requests made three business days prior to the first day of instruction.

FINANCIAL AID

WEBSITE: *www.honolulu.hawaii.edu/finaid*
PHONE: (808) 845-9116

The financial aid program at Honolulu Community College helps students who can benefit from higher education, but who may have difficulty attending college without financial help. The financial aid program adds to the efforts of the student and the student's parents/spouse. All students at Honolulu CC may apply for financial aid.

All students may apply for scholarships at Honolulu CC.

How to Apply

Online at *www.fafsa.gov*

- Students (and their parents, if applicable) must have an FSA ID (Federal Student Aid ID). If students (and their parents) do not have one, an FSA ID can be created at www.fafsa.gov. The FSA ID will be used to sign the application electronically. If the student (and/or their parents) are unable to enter their FSA ID, a signature page must be printed and mailed with the required signatures.

- Read the instructions carefully.

- Honolulu CC's Federal School Code is 001612

When to Apply

Students are awarded for the academic year (Fall/Spring). Applications should be filed as soon as they are available in October of each year. The College will begin making awards for Fall beginning April and for Spring beginning October. Applicants who apply (and re-apply) early have the best opportunity to have their financial need met.

Applicants must file a financial aid application for each academic year they seek aid. The amount and type of aid for each year depends upon the applicant's continued need, date of application, and academic progress.

Selection, Notification, and Payment

Upon receiving a Student Aid Report, the Financial Aid Office will review the student's file for completeness and, if complete, determine the student's eligibility for aid. Notification will be made to all eligible applicants who have submitted complete applications. Awards will be made on the basis of need. Applicants are encouraged to apply as soon as applications are available in October of each year because some funds are limited.

Students will be notified of their financial aid offer through email. Detailed instructions will be given regarding the review of all the information in the financial aid award.

Unless otherwise noted on the Financial Aid Award Offer, all awards are paid equally for the Fall and Spring semester. Awards cannot be credited to a student's account earlier than 10 days prior to the first day of classes for that term. A refund check will be mailed (unless otherwise noted) to the student within 14 days from the date that the balance occurs. By applying early, students may receive their financial aid funds prior to the start of the semester.

Who is Eligible

To be eligible for federal student aid at Honolulu CC, students must:

- Be accepted for admission (or currently enrolled) in an eligible degree or certificate program at Honolulu Community College;

- Have earned either a high school diploma, GED certificate, or equivalent;

- Be a U.S. citizen or an eligible non-citizen;

- Be registered with Selective Service (if a male between the ages of 18-25);

FINANCIAL AID

- Submit all required documents as needed to process financial aid application;
- Meet the *SATISFACTORY ACADEMIC PROGRESS POLICY*; and,
- Not be in default on a Federal educational loan or owe a refund on a Federal grant.

Federal Financial Aid

The majority of aid awarded by Honolulu CC is Federal and based on demonstrated financial need. Eligibility requirements are determined by Federal rules and include the following:

Applicant must

- Be a U.S. citizen or an eligible non-citizen (permanent resident);
- Be enrolled in a degree granting program (must be a classified student at Honolulu CC);
- Be making satisfactory academic progress toward your degree;
- 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, GED, or equivalent; and,
- Be registered with Selective Service *, if required.

All financial aid programs are subject to change.

* Note: Military Selective Service Act (P.L. 97-252) requires that beginning July 1, 1983, any student who is required to register with the Selective Service System and fails to do so shall be ineligible to receive Federal Title IV student financial aid including: Federal Pell Grants, Federal Supplemental Educational Opportunity Grants (SEOG), Federal Subsidized Direct Loans, Federal Unsubsidized Direct Loans, Federal Parent Loans for Undergraduate Students, and Federal Work Study. This requirement affects all male students who are at least eighteen years of age, who were born after December 31, 1959. The group of males affected includes citizens and eligible non-citizens eligible except citizens of the Federated States of Micronesia, the Marshall Islands, or the permanent residents of Palau. For further information contact the Financial Aid Office at (808) 845-9116.

Satisfactory Academic Progress Policy

Prior to the awarding of any financial aid, students enrolled at Honolulu CC must be making satisfactory progress in accordance with U.S. Department of Education regulations. The student's academic progress will be evaluated at the point when their application is reviewed in an academic year. The policy is applicable to all Honolulu CC students applying for any type of federal, state, or private financial aid resources administered and managed by Honolulu CC; including student loans from private lenders which are guaranteed or insured by the federal government. Appeals to the policy may be submitted in writing to the Financial Aid Administrator.

Eligibility Requirements for Academic Progress

1. All financial aid recipients must have a declared major at Honolulu CC and enroll in credits towards the completion of that degree/certificate.
2. Students are expected to maintain a cumulative grade point average (GPA) of at least 2.0.
3. Students must complete at least 67% of all credits attempted (calculation includes ALL terms reflected on transcript); whether financial aid was received or not.
   a. All terms of attendance and all transfer credits apply; whether financial aid was received or not.
   b. The following grades will be considered as credits enrolled but not successfully completed: F, W, N, I, I/F, I/N, and NC. An incomplete grade will be calculated as no credit until it reverts to a letter grade and is posted to the student's academic record. Please note that the student must submit a letter to the Financial Aid Office when a grade changes as the Financial Aid Office is not automatically informed of grade changes.
   c. Audited classes and credit by exam are not eligible for financial aid and will not be counted towards credits attempted/completion.

EXAMPLE: Since he started attending Honolulu CC, John has attempted 60 credit hours. He only completed (passed) 50 credits because he withdrew from a few classes and failed one. Based on the following calculation, John has earned more than 67% of the credits he attempted, therefore has fulfilled the Honolulu CC Satisfactory Academic Progress Policy requirements.

$$\frac{\text{John's Credits Completed}}{\text{John's Credits Attempted}} = \frac{50}{60} = 83\%$$

Time Frame

1. Students must complete their degree program within 150% of the credits required for their degree program.

   Example: John's degree program requires 60 credits to graduate; therefore, he must complete his degree program within a total of 90 credits (60 credits x 150% = 90 credits).

2. Students who change majors must have all of their credits and transfer credits re-evaluated towards their new major to determine their remaining financial aid eligibility.

3. Students who have earned a degree at Honolulu CC and are seeking another degree must submit a petition stating their reason to pursue another degree. Approval of the subsequent degree program will be determined after reviewing the petition.

   NOTE: Students who are seeking an AA degree who have already earned an AA, BA, or BS degree are not eligible for financial aid.

4. Transfer credits accepted from another institution will be used to calculate the remaining credits required for completion of the degree or certificate.

5. Students' entire academic history will be taken into account, including periods of enrollment when financial aid was not received.

6. Generally, students will not receive payment for repeating a course that was successfully completed (A, B, C, D or CR). If the student is required to repeat a course that was previously completed successfully, students may submit a petition stating the reason for the repeated course along with documentation showing the requirement.

Financial Aid Suspension

Students' financial aid at Honolulu CC will be suspended and they will not be eligible for financial aid in subsequent terms in the following cases:

1. Students fail to achieve a cumulative GPA of at least 2.0

2. Students fail to complete at least 67% of all classes attempted.

3. Suspended students not enrolled at Honolulu CC in the following semester will have their suspension stand until they have met the requirements for reinstatement.

Appeal Of Financial Aid Suspension

Students who do not meet the minimum satisfactory academic progress requirements will be suspended from receiving aid. If suspended from receiving financial aid, the student can appeal the suspension.

In order to appeal a financial aid suspension, student must complete an appeal form and an academic plan with an academic counselor. The appeal form will be reviewed by a financial aid officer and a determination made as to whether or not the student will be able to meet the satisfactory academic progress requirements within the time frame allowed by Federal regulations.

Academic Plan

An academic plan is a plan the students will create that will allow them to meet the satisfactory academic progress requirements within the allowed time frame specified by Federal regulations. Students who do not successfully meet the conditions of their approved academic plan will again be placed on financial aid suspension until they meet the criteria for reinstatement of their eligibility for aid.

REINSTATEMENT

To reinstate eligibility, students must meet all three of the following conditions:

1. Have a minimum cumulative GPA of at least 2.0;

2. Complete at least 67% of all credits attempted (Includes all credits reflected on the transcript); and,

3. Be able to graduate within the 150% time frame allowed by Federal regulations.

Upon successful completion of the required credits and GPA, students must notify the Honolulu CC Financial Aid Office in writing that they wish to be reinstated. The student will be notified in writing whether or not they have been reinstated.

Note: Requests for reinstatement will be processed when time permits and students will be responsible for their own tuition and fees payments according to the registration payment deadlines.

How Financial Need is Determined

Demonstrated financial need is the difference between the "cost of education'' and the "expected family contribution''

Cost of Education (minus) - Expected Family Contribution = Demonstrated Financial Need

The "expected family contribution" is determined by the financial aid application completed by the student and the student's family. This amount is based on income and assets, expenses, number of family members, etc. as reported on the FAFSA.

The standard "cost of education'' is an average of typical student expenses within the academic year.

- Tuition and fees * (adjusted for enrollment status)
- Room and board allowance
- Books, supplies, and tools
- Personal expenses
- Transportation

* Students who intend to enroll concurrently at Honolulu CC and another University of Hawai'i campus must contact the Financial Aid Office for more information.

With supporting documentation, additional expenses related to attending Honolulu CC can be considered in the student's cost of attendance.

Types of Aid

Grants

FEDERAL PELL GRANTS do not need to be repaid (unless students do not meet Satisfactory Academic Progress requirements) and are available to students who have not received a Bachelor's Degree.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (SEOG) do not need to be repaid (unless students do not meet Satisfactory Academic Progress requirements) and are available to students with exceptional financial need who are enrolled at least half-time. Priority is given to Federal Pell Grant recipients.

HONOLULU COMMUNITY COLLEGE OPPORTUNITY GRANTS are available to students who are enrolled at least halftime, demonstrate financial need, and meet satisfactory academic progress requirements. Applicants must apply for financial aid using the Free Application for Federal Student Aid (FAFSA). Award amounts are dependent on the students' enrollment level, need, and availability of funds.

Student Loans

FEDERAL DIRECT LOAN PROGRAM is a long-term loan program that must be repaid with a fixed interest rate. The interest rate for Federal student loans varies each year and is determined by the Federal Government. The interest rate of the loan is determined by the first disbursement and will be the interest rate for the life of the loan. For the current interest rate and origination fee for the Federal Direct Loan program, please visit https://studentaid.ed.gov/sa/types/loans/interest-rates. History of a student's loan history and information about the loan servicer can be found online via the National Student Loan Data System at nslds.ed.gov.

These loans are borrowed from the Federal government. There are three types of Direct Loans:

1. **FEDERAL SUBSIDIZED DIRECT LOANS** have an interest subsidy by the U.S. Department of Education while the student is enrolled in school at least half-time and during approved deferment periods; therefore, interest does not accrue during these periods. The annual loan amount will depend on the student's academic level, amount of need as determined by completing the FAFSA, and existing subsidized loan balances. The interest and repayment will begin to accrue after the student leaves school or drops below half-time enrollment. Loan repayments are arranged with the loan servicer.

    Maximum Time Frame for Subsidized Loans
    There is a maximum period of time (measured in academic years) that you can receive Federal Direct Subsidized Loans. In general, you may not receive subsidized loans for more that 150% of the student's published length to complete their degree program. If a student changes programs, the time used for the previous program may count against the new program. To prevent reaching the maximum eligibility period, be sure to work with an advisor to have an academic plan. For more information regarding the timeframe, please visit https://studentloans.gov/myDirectLoan/directSubsidizedLoanTimeLimitation.action.

2. **FEDERAL UNSUBSIDIZED DIRECT LOANS** do not have an interest subsidy; therefore, interest begins to accrue once the loan is disbursed. The annual loan amount will depend on the student's academic level, dependency status, cost of attendance, and existing Federal Direct Loan balances. Students have the option to pay the interest while they are in school; however, if the student decides not to pay the interest while they are in school, the unpaid interest will accrue and be added to the principal of the loan. Repayment of the loan will begin after the student leaves school or drops below half-time enrollment. Loan repayments are arranged with the loan servicer.

3. **FEDERAL DIRECT PLUS LOANS** are available to parents of dependent students who are enrolled at least half-time status and are based on credit history. The interest is not subsidized; therefore, interest begins to accrue once the loan is disbursed. The annual loan amount will depend on the student's estimated cost of attendance determined by the school minus any other aid and scholarships that the student is expected to receive. Repayment for Federal Direct PLUS Loans begins once the loan is fully disbursed; however, the parent borrower may contact their loan servicer to request for a deferment if the student is enrolled at least half-time. During this deferment period, although repayment of the loan is not required, parents have the option to pay the interest or have the interest accrue on the loan and be added to the principal of the loan. Loan repayments are arranged with the loan servicer.

STATE HIGHER EDUCATION LOANS (SHEL) are available to Hawaiʻi residents and must be repaid with a fixed interest rate of 5%. Repayment and interest begins nine months after the student drops below half-time status and deferment options are available for students who are not able to pay the minimum monthly payment. Loan amounts are based on demonstrated financial need and availability of funds.

Student Loan Default Rates

Information regarding student loan default rates is available at the Honolulu CC Financial Aid Office.

Student Employment

FEDERAL WORK-STUDY (FWS) provides part-time employment on- and off-campus to students who are enrolled at least half-time. Students are limited to a maximum of 20 hours per week during the academic terms. Awards are based upon the students' need and availability of funds.

Scholarship Programs

Honolulu Community College scholarships are awarded on the basis of merit, academic performance, and/or financial need. The University of Hawaiʻi Common Scholarship Application must be completed to be considered for any of the Honolulu CC scholarships. For a complete list of scholarships available to Honolulu CC students, go to *www.honolulu.hawaii.edu/finaid*.

Tuition Waivers *(Pending Board of Regents action)*

NATIVE HAWAIIAN TUITION WAIVERS were established to support Native Hawaiian students seeking a degree in higher education. This waiver is awarded to Native Hawaiian students who demonstrate financial need, maintain satisfactory academic progress and, are enrolled in at least half-time status. To be considered for this waiver, a student must complete a Free Application for Federal Student Aid (FAFSA) and submit additional documentation as requested. Recipients of this tuition waiver will be required to meet specific conditions as part of receiving the waiver.

Changes in Financial Status

Changes in a student's financial status may result in an increase or decrease in the cost of education, or increase or decrease in the expected family contribution. A change in either would change the amount of aid for which the student is eligible. If a student's financial circumstances change significantly from the time that he/she originally applied for aid, he/she should see a Financial Aid Administrator.

Changes in Enrollment Status

Students are thanked and recognized for their many contributions to the campus.

It is the student's responsibility to inform the Financial Aid Office of any changes in enrollment because changes in enrollment status may result in an increase or decrease in the cost of education and financial aid offer. In the event a student should completely withdraw from Honolulu CC, the Financial Aid Office will adhere to all institutional refund policies (see Tuition and Fees section).

In addition, Federal regulations stipulate that any recipients of Federal Title IV funds who withdraw from school or disappear will be subject to a calculation which will determine the amount of Title IV funds that the student and the school is responsible for returning to the Federal government. Failure of the student to return these funds may affect future Federal Financial aid (Title IV) eligibility. More information on Returning Title IV funds can be found at www.honolulu.hawaii.edu/consumer.

Students who completely withdraw should contact the Financial Aid Office prior to withdrawing from classes. Copies of the most up-to-date and complete Refund Policy are available at the Financial Aid Office.

Rights and Responsibilities

The student has the right to know:

- The cost of attending Honolulu CC and the policy on refunds to students who drop out;
- What financial assistance is available;
- Procedures and deadlines for submitting applications for each available financial aid program;
- How Honolulu CC selects financial aid recipients;
- How need is determined;
- How much of the student's need has been met;
- How and when the student will be paid;
- The interest rate on any loans offered to the student and the conditions of repayment;
- If offered Federal Work-Study, what kind of job is offered, what hours must be worked, duties, rate of pay, and method of payment;
- How an aid package is reconsidered if a student believes a mistake has been made or if enrollment or financial circumstances have changed; and,
- How Honolulu CC determines satisfactory academic progress.

The student is responsible for:

- Reviewing and considering all information about a school's program before enrolling;
- Submitting complete and accurate information concerning enrollment and financial circumstances;
- Knowing and complying with all deadlines for applying and reapplying for financial aid;
- Providing all documentation, corrections, and/or new information requested by the Financial Aid Office;
- Notifying the Financial Aid Office of any information which has changed;
- Ensuring that mailing address is current, via MyUH Services;
- Reading, understanding, and keeping copies of all forms requiring a signature;
- Repaying any student loans and attending entrance and exit interviews for those loans;

- Performing satisfactorily work agreed upon in a Federal Work-Study job; and,
- Understanding Honolulu CC's refund policy.

For additional financial aid information, contact the Financial Aid Office at 845-9116.

VETERANS EDUCATION BENEFITS & RESOURCE CENTER

Website: *www.honolulu.hawaii.edu/veterans*

Veterans Education Benefits

Education Benefits

Honolulu Community College is an approved institution of higher learning for education and training under the Veterans Educational Assistance Act, the Veterans Readjustment Act, and the Dependents Educational Act. Information regarding eligibility, entitlement benefits, and types of training authorized may be obtained from the Department of Veterans Affairs Regional Office (telephone: 1-888-442-4551).

The College offers students a wide range of services and activities throughout the academic year and summer months. Students are encouraged to seek individual or group counseling, career and vocational exploration, and other related student support services. See any Academic Counselor for more information and for completion of the Academic Counseling Review Form (ACRF) needed to support certification of VA Education Benefits.

Under the authority of Title 38 USC sections 3675 and 3676, and 38 CFR sections 21.4253 and 21.4254, schools are required to evaluate prior training at all post-secondary institutions, to include military training.

Students using VA Education Benefits at Honolulu Community College must complete the Transcript Evaluation Request Form and request all transcripts from all post-secondary institutions, including the Joint Services Transcript (Army, Marine Corps, Navy, Coast Guard) and/or Community College of the Air Force. Transcripts must be sent directly between institutions to be considered as Official. Transcripts that are handled by the student will be considered as unofficial and will be used for placement purposes only.

Veterans Affairs

The Veterans Affairs (VA) School Certifying Official (SCO) and the VA staff are located in the Records Office. We assist service members, veterans and their dependents who receive VA education benefits while pursuing their academic career at Honolulu Community College.

The SCO is responsible for certifying and monitoring students' course enrollment, academic progress, and other academic information.

When the VA has determined that you are eligible for education benefits, and after you have registered for classes, the SCO will certify your enrollment with the VA to enable you to collect the benefits you are entitled to. Contact us via email, phone or in-person if you have any questions pertaining to the processing of your VA education benefits.

Records Office
874 Dillingham Blvd.
Honolulu, HI 96817
Email: honvet@hawaii.edu
Phone: 808-847-9833
Fax: 808-847-9872
Office Hours: 7:45 am to 4:30 pm, Monday through Friday

Determining Eligibility, Entitlement, and Payments

The U.S. Department of Veteran Affairs approves applications and makes decisions about **eligibility, entitlement**, and **payments**. Specific questions regarding your eligibility, entitlement, or payments should be referred to the U.S. Department of Veterans Affairs (https://www.va.gov/)

To apply for veteran's education benefits with the Department of Veterans Affairs, visit Vets.gov (https://www.va.gov/education/how-to-apply/)

Detailed information about different types of benefits is available on the GI Bill® website:

Post-9/11 GI Bill® - Chapter 33 (https://www.benefits.va.gov/gibill/post911_gibill.asp)

Dependents' Educational Assistance - Chapter 35 (https://www.benefits.va.gov/gibill/survivor_dependent_assistance.asp)

Vocational Rehabilitation & Employment– Chapter 31 (https://www.benefits.va.gov/vocrehab/index.asp)

Montgomery GI Bill®– Active Duty, Chapter 30; Reservists, Chapter 1606; Reserve Educational Assistance Program (https://www.benefits.va.gov/gibill/montgomery_bill.asp)

Contact the VA Education Call Center at 888-GIBILL-1 (888-442-4551) for additional information or write an email to (Right Now Web https://gibill.custhelp.va.gov/app/utils/login_form)

Public Law 115-407, Sections 103 and 104.

In accordance with the Veterans Benefits and Transition Act of 2018, section 3679(e) of title 38 (Public Law 115-407), a student who is entitled to educational assistance under Chapter 31, Vocational Rehabilitation & Employment, or Chapter 33, Post-9/11 GI Bill® benefits shall be permitted 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' website – eBenefits, or a VAF 28-1905 form for Chapter 31) and ending on the earlier of the following dates:

• The date on which payment from VA is made to the institution.

• 90 days after the date the institution certified tuition and fees following the receipt of the Certificate of Eligibility.

The University shall not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or require the student to borrow additional funds, in order 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 http://www.benefits.va.gov/gibill."

Tuition Assistance

The Tuition Assistance (TA) program pays the cost of tuition and additional fees for most active duty service members. Each service branch determines eligibility criteria.

All Active Duty Service Members (including Guard and Reserve) must contact their Education Service Officer (ESO) or Education Counselor within your branch of service prior to enrolling in any college or university.

Tuition Assistance Application Procedures for Military Services:

Army (https://myarmybenefits.us.army.mil/Benefit-Library/Federal-Benefits/Tuition-Assistance-(TA))

Navy (https://www.navycollege.navy.mil/tuition-assistance/index.htm)

Coast Guard (https://www.forcecom.uscg.mil/Our-Organization/FORCECOM-UNITS/ETQC/Voluntary-Education/Active-Duty/)

Marines (https://myeducation.netc.navy.mil/)

Air Force (https://www.afpc.af.mil/benefits-and-entitlements/military-tuition-assistance-program/)

Veteran's Resource Center

BLDG 5-140
Telephone: 845-9126

The Veteran's Resource Center (VRC) focuses on the success of student veterans, current service members, dependents, and spouses. Faculty, staff, and students with an interest in veteran's services or programs may also find the VRC to be a great resource. Services include:

• General information on VA programs and benefits

• A lending library system to support MATH studies

• Desktop/laptop computers are available for use in the VRC

• A gathering place for studying, networking, or relaxation between classes

• Access to the VA Veterans Integration to Academic Leadership (VITAL) counseling

The VRC is open Monday-Friday (except holidays) from 8:00AM to 4:30PM.

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ACADEMIC REGULATIONS

Classification of Students in Credit Programs

CLASSIFIED STUDENT: A student who is enrolled for credit in an official program leading to an Associate Degree, Certificate of Achievement, or Certificate of Competence.

UNCLASSIFIED STUDENT: A student who is enrolled for credit, but is not in an official program leading to an Associate Degree, Certificate of Achievement, or Certificate of Competence.

SPECIAL STUDENT: A student who is enrolled for credit as an Early Admittee.

Educational Level

FRESHMAN: A student who has earned fewer than 30 credits towards an Associate Degree, or Certificate of Achievement.

SOPHOMORE: A student who has earned 30 credits or more towards an Associate Degree or Certificate of Achievement.

Full Time and Part Time Students:

FULL TIME STUDENT: A student who is enrolled in 12 semester credits or more in a semester or in a 12-week summer term. A student is also considered to be full time under the following conditions: enrolled for 6 credits or more in a 6-week summer session where full-time status is for the 6-week session only or enrolled for 8 credits or more in a 10-week term.

PART TIME STUDENT: A student who enrolls in fewer than 12 semester credits in a semester or fewer than the minimum semester credits required for full time status in shorter terms or sessions.

HALF-TIME STUDENT: A student who enrolls in at least 50% of the semester credits required for full time status in a semester or shorter term or session.

The definitions of a full time student and of a part time student are Honolulu Community College definitions used for certifying enrollment. A summer term may consist of more than one session. A third party such as Veterans Administration (VA) benefits or Federal financial aid may have another definition of a full time student that is used in determining eligibility for benefits.

Admissions

WEBSITE: *www.honolulu.hawaii.edu/admissions*

Eligibility

Honolulu Community College welcomes applications from any U.S. high school graduate, GED (General Education Development) recipient or persons 18 years of age or over who can benefit from the instruction offered. Students under the age of 18 may be considered for Early Admission or the Running Start program (see Early Admission or the Running Start Program later in the Academic Regulations).

(International Students, please see *ADMISSION OF INTERNATIONAL STUDENTS*.)

Application Deadlines

Please refer to the Admissions website for deadline information.

How to Apply

To be admitted to Honolulu Community College, complete the University of Hawai'i System Application Form online at *https://apply.uhcc.hawaii.edu*.

Some programs have non-academic prerequisites that must be met before taking major courses:

- Auto Body Repair and Painting – submit Respirator Use Clearance and Driver's License
- Automotive Technology – submit copy of valid Driver's License
- Cosmetology – submit copy of high school diploma, GED, or college degree
- Small Vessel Fabrication and Repair – submit Respirator Use Clearance

Students who are military personnel, dependents, or a member of the Hawai'i National Guard should submit a copy of military orders along with application for admission.

International students, please see *ADMISSION OF INTERNATIONAL STUDENTS* for further information.

Please note that all documents, health clearances, transcripts, and forms submitted become the property of Honolulu CC and will not be returned to the applicant.

Applicants will be notified by e-mail and mail of their acceptance. Further information on registration, placement, and academic counseling services will be included with acceptance notifications by e-mail and mail.

Acceptance Information

Once a student has been accepted, the student must:

1. Submit proof of negative tuberculin (TB) test or chest x-ray report, two Measles, Mumps, Rubella (MMR) immunization, proof of one dose of Tetanus-diphtheria-Pertussis (Tdap) immunization, and two doses of Varicella (Chickenpox) immunization before the first day of the semester.

   Exemptions: Students born prior to 1957 are exempt from MMR vaccination. A documented history of varicella (chickenpox), signed by a U.S. licensed physician, APRN, or PA may be substituted for the varicella vaccine requirement. Students born in the U.S. prior to 1980 are exempt from Varicella vaccination.

   For more information on Honolulu CC health regulations, see *HEALTH REQUIREMENTS* for Registration.

2. Provide English and math placement. The following are the different types of placement options you can choose from:

   1. Placement Option #1: Self report your placement scores. View/download the Self-Report Form at *https://www.honolulu.hawaii.edu/sites/www2.honolulu.hawaii.edu/files/admissions-form-self-report.pdf*

   2. Placement Option #2: Submit SAT, ACT, SBAC, or HISET scores

   3. Placement Option #3: Submit official high school transcript and/or meet with an Academic Counselor to evaluate your college transcripts.

   4. Placement Option #4: Take the Accuplacer Exam

   A physical copy of your acceptance letter and a valid Photo ID are required to take the Accuplacer at the Testing Center located in the Kaukahoku building (Bldg. 7), Room 313. To view the Testing Center placement schedule, visit www.honolulu.hawaii.edu/testingandtutoring.

English and math placement are required and are very important! Your English and math placement will determine what levels of English and math you will need to take.

3. Create a username and password to access MyUH student account.

4. Returning or Transfer students should meet with an Academic Counselor for assistance with selecting courses and/or registering for classes. New Students should contact the Academic Counseling Office to sign up for a New Student Registration Session.

5. Pay all applicable tuition and fees by the posted deadline.

Information on these steps will be included with the student's acceptance letter.

Students are accepted into a program or major of their choice. However, in a few cases students may not be able to enroll in the beginning courses in the program because:

- Certain academic and non-academic prerequisites for the courses have not been met;

- The program may be filled; or,

- Beginning courses in the program are not offered in that semester.

Check "Starting Dates for Programs" below to see which programs accept students into both Fall and Spring semesters. If the program is filled, students will be unable to enroll in their program's beginning courses and are advised to take required related courses during their first semester. After one semester, students usually will be able to take beginning courses in their program; however, in a few programs the waiting period may extend to a full academic year or more.

Counselors are available to provide information about Honolulu CC and its programs and to assist applicants in choosing a program which offers the maximum opportunity for self-development.

If students do not wish to attend Honolulu Community College after being accepted and would like to:

- Transfer to another UH Community College, they should submit a Change of Home Institution Form to the institution they wish to attend.

- Transfer to a UH four-year institution, they should submit a new System Application for admission.

Starting Dates for Programs

The chart below indicates when new majors may start a program. Symbols in the Fall column mean a student may enter the program in a Fall Semester. Symbols in the Spring column mean a student may enter the program in a Spring Semester. The chart legend explains the different symbols.

Program	Fall	Spring
Administration of Justice (AJ)	•	•
Aeronautics Maintenance (AERO)	•	
Applied Trades (APTR)	•	•
Architectural, Engineering & CAD Technologies (AEC)	•	
Auto Body Repair & Painting (ABRP)	o	o
Automotive Technology (AMT)	•	•
Carpentry (CARP)	•	
Communication Arts (CA)	•	
Computing, Security, & Networking (CSNT)	•	•
Cosmetology (COSM)	•	•
Diesel Mechanics Technology (DISL)	l	
Electrical Installation & Maintenance Technology (EIMT)	•	

Program	Fall	Spring
Fashion Technology (FT)	•	
Fire & Environmental Emergency Response (FIRE)	•	•
Hawaiian Studies (HWST)	•	•
Human Services (HSER)	•	•
Liberal Arts (LBRT)	•	•
Natural Sciences (NS)	•	•
Occupational & Environmental Safety Management (OESM)	•	•
Refrigeration & Air Conditioning (RAC)	•	
Sheetmetal & Plastics (SMP)	o	o
Small Vessel Fabrication & Repair (MARR)	o	
Welding (WELD)	•	

- *Program entry semester(s)*
l *Program entry every even year*
o *Check with Academic Counseling regarding program status*

Residency Regulations for Tuition Purposes

WEBSITE: *www.honolulu.hawaii.edu/residency*

Students, other than statutory exempt individuals, who do not qualify as bona fide residents of the State of Hawai'i according to the University of Hawai'i Rules and Regulations in effect at the time they register, must pay non-resident tuition. An official determination of residency status will be made at the time of application. Applicants may be required to provide documentation to verify residency status. A non-resident application fee of $25 is required at the time of application.

Once classified as a non-resident, students continue to be so classified during their term at the College until they can present satisfactory evidence to the Residency Officer that proves otherwise. Some of the more pertinent University Residency Regulations follow. For additional information or interpretation, contact the Registrar at Honolulu Community College, Building 6, 845-9120.

DEFINITION OF HAWAI'I RESIDENCY: For **tuition purposes**, students are deemed residents of the State of Hawai'i if they (or their parents or legal guardians, for students under 18) have:

1. Demonstrated intent to permanently reside in Hawai'i (see the following for indicia);

2. Been physically present in Hawai'i for 12 consecutive months prior to the first day of instruction, and subsequent to that demonstration of intent to make Hawai'i their legal residence; and,

3. Not been claimed as a dependent for tax purposes by their parents or legal guardians who are not legal residents of Hawai'i.

To demonstrate the intent to make Hawai'i your legal residence, the following indicia apply:

• Voting or registering to vote in the State of Hawai'i.

• Filing a Hawai'i Resident State Personal Income Tax Return.

Other indicia, such as permanent employment or the 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 that:

1. The twelve months of continuous residence in Hawai'i shall begin on the date upon which the first overt action (see indicia above) is made to make Hawai'i one's permanent residence. For Permanent Residents (green card holders) the twelve months begins on the date on which the Permanent Residency status was granted by Immigration.

2. Residency in Hawai'i and residency in another place cannot be held simultaneously.

3. Presence in Hawai'i primarily to attend an institution of higher learning does not create resident status. Continued presence in Hawai'i during vacation periods and occasional periods of interruption of the course of study does not itself overcome this presumption.

4. The residency of unmarried students who are minors follows that of the parents or of the legal guardian. Marriage emancipates a minor.

5. 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.

These considerations do not exhaust all of the factors that affect the determination of residency. For more information, consult the "Rules and Regulations Governing Determination of Residency as Applied to Tuition Payments and Admission at All Institutions Under the Jurisdiction of the Board of Regents of the University of Hawai'i."

Non-Resident Students

Once classified as a non-resident, a student continues in this status at Honolulu CC until submitting satisfactory evidence to the Admissions Office that proves otherwise. Non-resident students who enter any campus of the University of Hawai'i may not be allowed to change his/her residency status from non-resident to resident during any period in which he/she:

1. Enrolled for 6 credits or more at any higher education institution(s) in Hawai'i;

2. Was absent from Hawai'i for more than 30 days per year during school vacation periods;

3. Received student financial assistance based on residency in another state; or

4. Was a dependent of nonresident parent(s) or legal guardian.

The maximum number of non-resident students that can be accepted by the College is limited by Board of Regents policy. Students classified as non-residents are required to pay non-resident tuition.

Statutory Exemptions

Non-residents may be allowed to pay resident tuition if they qualify as one of the following:

1. Members of the Hawai'i National Guard or Hawai'i-based Reserves.

2. United States military personnel and their authorized dependents (as defined by the Armed Services) during the period such personnel are stationed in Hawai'i on active duty.

3. Full-time employees of the University of Hawai'i and their spouses and legal dependents (as defined under Internal Revenue Service rules).

4. East-West Center student grantees pursuing baccalaureate or advanced degrees.

5. Hawaiians, descendents of the aboriginal peoples that inhabited the Hawaiian Islands and exercised sovereignty in the Hawaiian Islands in 1778.

Persons who are citizens of any Pacific Island or Asian district, Commonwealth, Territory, or Insular Juris-diction, State, or Nation which does not provide public institutions of higher learning are eligible to pay 150% of the resident tuition rate. These currently include the following:

American Samoa	*Republic of Belau*
Commonwealth of the Northern Marianas	*Republic of the Marshall Islands*
Cook Islands	*Solomon Islands*
Easter Island	*Tokelau*
Federated States of Micronesia	
Futuna	*Tonga*
Kiribati	*Tuvalu*
Nauru	*Vanuatu*
New Caledonia	*Wallis*
Niue	

(A non-resident application fee of $25 is required at the time of application for students eligible for Pacific Island Exemption.)

MISREPRESENTATION: A student or prospective student who intentionally or willfully misrepresents any fact on any form or document intended for use in determination of residency status for tuition purposes will be subject to the regular disciplinary measures of the University of Hawai'i.

APPEAL PROCESS: Residency decisions may be appealed by submission of *The Residency Classification* form and any supporting documentation by the deadline. Students desiring to initiate a residency appeal should contact the Residency Officer (HonCC Registrar) for more information on the appeal process, applicable tuition payments, and deadlines. Appeals are heard by the Residency Appeal Board.

Admission of International Students

International applicants must comply with all regulations of the United States Citizenship and Immigration Services as well as with applicable policy of the Board of Regents of the University of Hawai'i and the policies of Honolulu Community College. For the purpose 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. Honolulu Community College is authorized under Federal law to enroll non-immigrant students.

International students must meet the General Admissions Requirements as well as the following special admissions requirements by June 15 for Fall semester and November 1 for Spring semester. All required forms can be downloaded from our website at *www.honolulu.hawaii.edu/admissions*.

1. Have official test results of the Test of English as a Foreign Language (TOEFL) or EIKEN test scores sent directly to the College. Scores must be from a test taken within the last two years. Acceptable scores for admission are 400 and above on the paper-based test, 97 and above on the computer-based test, and 32 and above on the iBT test. The EIKEN score requirement is a 2A or better.

Applications and/or requests for scores to be sent to Honolulu CC should be made by writing EIKEN or TOEFL, Educational Testing Service, Princeton, New Jersey, 08540, or by contacting the American Consulate in the applicant's country. Applicants in the following categories are exempt from taking the test:

    a. Applicants whose native language is English.

    b. Applicants who have completed either three years of high school education or 30 semester credits of college level work (30 transfer semester credits for the Associate in Arts degree program) from an accredited college or university in the United States, Australia, Britain, Canada or New Zealand.

    c. Applicants transferring from accredited colleges and universities in the United States, Australia, Britain, Canada or New Zealand, who have completed the equivalent of freshman level English (English 100) with a grade of "C" or better.

    d. Applicants who have attended American, British or Canadian "international schools" in foreign countries for three years may qualify for exemption upon request.

2. Submit a System Application Form for Admission.

3. Submit a Supplemental Information Form for International Students.

4. Submit a required health clearance documentation (see additional instructions under Health Requirements for Admissions on the next page under Foreign non-immigrant students).

5. Submit evidence of ability to pay all expenses either personally or through a sponsor.

6. Submit high school transcripts (and college transcripts if applicable) directly to the College if under 18 or applying to the Cosmetology program. A complete and certified English translation of secondary school and college records should be submitted along with official transcripts.

7. Submit evidence of enrollment in a health and accident insurance plan prior to registration. Enrollment in such a plan must be for the duration of the student's stay in Hawai'i. Choice of plans is left to the discretion of the student.

The Student Health Office has descriptive literature on several plans, and students may choose one that meets their needs. Health and accident insurance is mandatory.

All documents and application materials must be received by the deadline for the appropriate semester.

International students will be sent an official notice of acceptance and Form I-20 by mail.

All international students must carry an academic credit load of at least twelve (12) credits per semester, with only one online course allowed per semester. These 12 credits must be required in the student's program. Students will be allotted an appropriate amount of time to complete their degree requirements based on the number of credits in their degree program. International students must be enrolled in a degree program, they are not eligible for certificate programs as an F-1 student.

Early Admission

Applicants under the age of 18, living in Hawai'i, attending a local high school (home school is acceptable) without the equivalent of a high school diploma/GED may be considered for admission as an Early Admit Student. Early Admit students may enroll as unclassified students and take Honolulu CC courses approved by their Honolulu CC academic counselor. Early Admit students must reapply each semester, admission is limited to Honolulu CC courses. For more information on application procedures, please contact the Admissions Office at 845-9129.

Running Start Program

The Running Start academic program allows public high school juniors and seniors to attend college classes while earning both high school and college credits. Students apply through their high school counselors. For additional information contact their High School Counselor or the Honolulu CC Running Start Counselor at 845-9278.

Jump Start Program

The goal of this program is to provide high school seniors early access to career/technical education opportunities on a community college campus. Students will be enrolled at Honolulu Community College full-time and take coursework that meets the requirements for a two-year Career and Technical college degree as well as their high school diploma. Students apply at their high school during their junior year. More details are available at: *www.uhcc. hawaii.edu/jumpstart*.

Early College High School - (ECHS)

Early College High School (ECHS) allows public high school students in grades 9-12 an opportunity to obtain high school and college credits simultaneously. College courses are offered at designated high school campuses. This opportunity is available to students who fit specific income and demographic criteria as determined by the high school campus. Eligibility and space are limited for these courses. For additional information about course availability and requirements, please contact a high school counselor or the Honolulu Community College Outreach Office at (808) 844-2309.

Health Requirements

In compliance with public health regulations, students must show evidence that they are free of active Tuberculosis (TB), Tetanus-diphtheria-pertussis (Tdap), Varicella, and Measles, Mumps, Rubella (MMR). Proof of TB clearance, 1 dose of Tdap, 2 doses of Varicella, and two MMR shots must be submitted prior to registration.

Tuberculosis Clearance: In compliance with public health regulations, all students prior to enrollment must show evidence that they are free of active Tuberculosis. Therefore, all students must submit a report of a chest x-ray or Tuberculosis (intradermal) skin test. All negative skin tests or x-ray reading(s) cleared at the age of 16 or older are valid for registration. The TB Assessment Form from the Department of Health or a student's personal physician is acceptable as well. Skin tests and chest x-rays may be obtained at the Lanikila Health Center, 1700 Lanakila Avenue, Honolulu, telephone 832-5731. The Admissions Office at Honolulu Community College maintains a list of health agencies which administer Tuberculin skin tests.

International students are required to submit proof of TB clearance or a chest x-ray clearance along with their application for admissions. A state of Hawai`i TB skin test or Chest X-ray must be done upon arrival in the United States. A negative Hawai`i TB Clearance report, in addition to proof of two Measles Mumps Rubella (MMR) vaccinations or positive blood (IgG) tests, are required before international students are allowed to register.

Tetanus-diphtheria-pertussis (Tdap): One dose of Tdap is required of all students attending Honolulu CC. Laboratory evidence of immunity for Tetanus and Diphtheria may be substituted for a record of immunization, signed by a U.S. licensed physician, APRN, or PA certifying that student is immune to the specified disease.

International students are required to submit proof of Tdap, it must be done upon arrival in the United States.

Varicella (chickenpox): Two doses of Varicella are required of all students attending Honolulu CC. A documented history of Varicella (chickenpox), signed by a U.S. licensed physician, APRN, or PA may be substituted for the varicella vaccine requirement. Students born in the U.S. prior to 1980 are exempt from Varicella vaccination.

International students are required to submit proof of Varicella. It must be done upon arrival in the United States.

Measles Mumps Rubella (MMR) Clearance: MMR Clearance is a requirement of all students attending Honolulu CC. Students must submit proof of two MMR vaccinations (given one month apart and after 1/1/68) or blood (IgG) testing proving immunity. Students exempt from submitting proof of MMR Clearance are students born before 1957. All others, including Distance Education, International, and military Off-Campus Education Program students must submit MMR Clearance. UH concurrent or transfer students found to not have MMR Clearance documented in the UH Student Information System will be asked to submit MMR Clearance. Photocopies of the following may be submitted as evidence to the Admissions Office:

- Pupil's Health Record (State of Hawai'i Department of Education Form 14);
- Immunization record from M.D.'s medical file;
- Yellow Public Health Immunization Record;
- Military Vaccine Administration Record (DD2766C) or Immunization Record Form (SF601); or,
- IgG blood test report proving immunity (for rubella and measles only).

Honolulu Community College complies with all applicable requirements of other State health agencies and councils as may be required by law or by rules and regulations.

Honolulu CC Emergency Contact: Students are requested to complete the Honolulu CC Emergency Contact Form at the time of enrollment. Emergency contact information is entered into the UH System's Student Information System and accessed only by authorized personnel for registration or emergency purposes. All other medical or disability information is kept confidential. Students with serious health or disabling conditions are invited to make an appointment with the Health Nurse or Student ACCESS for disability accommodations. Emergency contact information should be updated at the Health Office or MyUH Academic Services/Personal Information upon re-entering Honolulu CC or as otherwise needed.

Registration, Withdrawals, and Other Changes

Early Registration for currently enrolled students is held the semester prior.

Registration for new, returning and transfer students who meet the priority deadline is held prior to Late Registration. An incoming student is assigned a time to register for courses only after completing all the General Admissions Requirements and other related requirements.

Students are considered officially enrolled only after registering, paying tuition and fees, and attending the first two classes. *Students who are unable to attend classes during the first and second class session(s) of the semester must notify their instructors before the first class session, or they may be dropped.*

The Honolulu CC Registration Guide is the official source of information to help students register for credit classes and is available online (*www.honolulu.hawaii.edu/registration*) and for pick up at the Records Office each semester.

The College Catalog should be consulted for academic planning.

Late Registration

Students registering after the regularly scheduled registration period are assessed a Late Registration fee beginning the first day of instruction of any given semester.

Auditing Courses

Auditors must complete all admission and registration requirements and procedures, including payment of tuition and fees. Students are permitted to audit certain classes with the written consent of the instructor. Auditors generally are not allowed in laboratory science, mathematics, elementary and intermediate modern languages, English composition, and speech courses, or classes where they might take the place of credit students. Some career technical classes may not be open for auditing due to liability, health, and safety issues.

Students who want to audit a course must submit a signed Instructor Approval Form authorizing the audit to the Records Office by the deadline. No credit is given for an audited course and a grade of "L'' will be recorded on the student's transcript. The extent of classroom participation is at the discretion of the instructor.

Class Attendance

No-show Policy: Enrolled students must attend at least one of the first two classes of the semester. It is the students' responsibility to notify the instructor of anticipated or unavoidable absences. The instructor has the option and authority to drop students who are absent for the first two periods if there is another student waiting to enter the class. Students should not assume they will be dropped if they do not attend the first two days of class.

Students registered in Distance Education courses must communicate to the instructor by the end of the second day of the semester, otherwise they may be dropped by the instructor to make room for other students waiting to enroll in the class. It is the students' responsibility to notify the instructor of anticipated or unavoidable absences.

DISAPPEARER POLICY: Students who have ceased to attend class or never attended class and do not officially drop the class are considered "Disappearers'' and may receive an "F" grade if classes are not officially dropped by the deadline. A student who has a justifiable reason for temporarily not attending a class must notify the Instructor or Division Chair or Program Dean. A student who has a justifiable reason for dropping a class must do so before the deadline.

Students registered in Distance Education courses who have ceased to communicate or never communicated with their instructor since the first day of the semester and do not officially drop the class are also considered "Disappearers" and may receive an "F" grade if classes are not officially dropped by the deadline. A student who has a justifiable reason for not communicating with an instructor must notify the instructor or Division Chair or Program Dean. A student who has a justifiable reason for dropping a class must do so before the deadline.

Change of Registration: Adds and Drops

Adding or dropping a course is official only after students have completed add/drop changes online, or submitted an Add/Drop Form to the Records Office and have paid the required fee(s) to the Cashier's Office. A fee is charged each time students add or drop classes in person. The fee is charged for each transaction. A transaction may involve adding or dropping more than one class. If applicable, additional tuition and fees will also be charged when students add a class or classes. There is no fee for adding or dropping classes online.

Classes may be added only during the published dates; thereafter, instructor approval is required. For deadlines to officially add or drop classes, see the *ACADEMIC CALENDAR*. If a student stops attending class or never attends class and does not officially drop by the deadline, the instructor may assign an "F" grade.

1. Classes that are semester-length and are:
    a. Officially dropped during the first three weeks of instruction each semester will not appear on the student's Academic Record.

b. Officially dropped after the first three weeks will be assigned a "W" on the student's Academic Record. Students may drop classes and receive a "W" grade up to the deadline stated in the *ACADEMIC CALENDAR*:

2. Classes that are not semester-length and are:

   a. Dropped during the first 20% of calendar days within the published class dates will not appear on the student's Academic Record.

   b. Dropped *after* the first 20% and up to the first 60% of the calendar days within the published class dates will be assigned a grade of "W" on the student's Academic Record.

Cancellation of Registration and Cancellation of Classes

Students may be dropped from classes for the following reasons:

- The student is a no-show (see no-show policy);
- The class is canceled;
- The student doesn't pass a prerequisite course with the required grade; and,
- The student doesn't make required payment by the established deadline.

Classes may be canceled for the following reasons:

- Instructor availability;
- Funding change;
- Low enrollment; and,
- Facility availability.

Complete Withdrawal From College

Students who wish to withdraw completely from all courses within the UH System have the option to drop all courses online or fill out a Complete Withdrawal Form available at their home institution's Records Office. For deadlines to officially withdraw, see the *ACADEMIC CALENDAR*. If a student stops attending class or never attends class and does not officially withdraw by the deadline, the instructor may assign an "F" grade.

1. Classes that are semester-length and are:

   a. Officially dropped during the first three weeks of instruction each semester will not appear on the student's Academic Record.

   b. Officially dropped after the first three weeks will be assigned a "W" on the student's Academic Record. Students may drop classes and receive a "W" grade up to the deadline stated in the *ACADEMIC CALENDAR*:

2. Classes that are not semester-length and are:

   a. Dropped during the first 20% of calendar days within the published class dates will not appear on the student's Academic Record.

   b. Dropped *after* the first 20% and up to the first 60% of the calendar days within the published class dates will be assigned a grade of "W" on the student's Academic Record.

The refund policy for withdrawals is explained under *TUITION AND FEES–REFUNDS*.

Change of Major

ENTERING STUDENTS: All new, returning, and transfer students who want to change their major and have the change effective for their first semester must see an Academic Counselor and complete the required "Change of Major" form. It is the student's responsibility to submit the completed form to the Admissions Office.

CONTINUING STUDENTS: Continuing students may request a Change of Major any time during the year. To be in effect for Early Registration, the change must be received by the Records Office by the deadline (see *ACADEMIC CALENDAR*). Requests for Change of Major made after the deadline will be processed after Early Registration.

Students requesting a Change of Major must see an Academic Counselor and complete the required "Change of Major" form. It is the student's responsibility to submit the completed form to the Records Office.

Change of Personal Data or Address

Any changes of permanent address, name, and citizenship must be reported to the Records Office in writing. A change in mailing address may be done online. Out-of-state students should provide their local address upon arrival. Failure to do so will result in an inaccurate education record and/or failure to receive important College announcements and information.

Credits, Grades, and Examinations

Credits

Credits (also called semester hours, credit hours, or units) are granted in recognition of work successfully completed in specific courses. A lecture course of semester duration which meets three hours a week is assigned three credit hours and normally requires two hours of outside preparation for each hour of lecture. A laboratory course of semester duration usually requires three hours of laboratory for each assigned credit.

Credit Load

The usual credit or course load for students is approximately one-half of the total requirement for one-year programs or one-fourth of the total requirement for two-year programs. A student may not register for more than 18 credits during any one semester except under special circumstances and with an Academic Counselor approval. Counselor approval is not needed in programs which require more than 18 credits per semester.

Course Numbering

Courses numbered below 100 generally do not transfer to baccalaureate degree colleges. Courses numbered 100 and above are eligible to be transferred to any baccalaureate degree institution including campuses within the University of Hawai'i System. Course credits may be accepted, but not applicable to a specific program at the receiving institution. Students are advised to plan any transfer early in accordance with requirements of the receiving institution as each establishes its own transfer regulations, including acceptability and applicability.

Variable Credit Courses

Certain courses, designated by "V" in this catalog and on the Honolulu CC website Class Availability link, are offered for variable credit. The number of credits for which a student enrolls must be approved by the instructor prior to registration.

Transferability of Credits

Decisions concerning the acceptance of credits by an institution other than the granting institution are made at the sole discretion of the receiving institution. No representation is made whatsoever concerning the transferability of any credits to any institution.

Students considering continuing their education at or transferring to other institutions, must not assume that credits earned will be accepted by the receiving institution. An institution's accreditation does not guarantee that credits earned at that institution will be accepted for transfer by any other institution. Students must contact the receiving institution to determine what credits, if any, that institution will accept. For information on transferring Honolulu CC credits to another institution see *TRANSFERRING TO ANOTHER COLLEGE OR UNIVERSITY*.

Transfer Credit Policy

Honolulu CC thoroughly and comprehensively evaluates transfer credits to ensure a student's smooth transition into the College and to ensure applicability to the student's program. Requests for transfer credit not specifically covered by this policy will be handled on a case-by-case basis.

Expected student learning outcomes (SLOs) of the course should be the basis of all transfer decisions. Honolulu CC will refrain from creating artificial barriers that inhibit the transfer of credit from one institution to another by concentrating on student learning outcomes. A course does not have to exactly match the title, number, course descriptions, outlines/syllabi or SLOs to be eligible for transfer credit. Generally, the College will accept a course if at least 70% of the SLOs match a comparable Honolulu CC course although some disciplines may require a higher percentage. In some cases, a pair or group of courses from one program or institution may transfer as meeting the requirements of a pair or block of Honolulu CC courses.

In instances where course information does not include SLOs, a faculty member of the discipline will use appropriate professional criteria to determine whether or not the course should be accepted as equivalent.

While transfer coursework is not calculated directly into the Honolulu CC cumulative grade point average (G.P.A.), transfer courses within the UH System with a "D" grade (not D-) or better will transfer. Students transferring from a non-UH System campus may transfer "D" grades as long as the cumulative G.P.A. of all applicable transfer courses from that institution is a 2.0 or higher. This is to ensure that at the point of graduation, students meet the appropriate Honolulu CC graduation standards. All course work applied to the degree requirements must meet the 2.0 G.P.A. graduation requirement, regardless of where the course work is completed.

If transfer students have earned a "D" grade in courses that serve as an Honolulu CC program or course prerequisite or requirement and that program/course requires the completion of the prerequisite or required course at a "C" or higher level, students must take and complete the Honolulu CC prerequisite or required course and earn the required grade before proceeding.

TRANSFER CREDITS AND ARTICULATION AGREEMENTS

Transfer courses from the UH System which are included in UH system articulation agreements will be accepted in transfer.

PROCEDURES TO TRANSFER CREDITS

Students must request that an official transcript of all coursework taken at a non-University of Hawai'i (UH) system institution be sent directly to Honolulu CC Records Office. Comprehensive course information is important for a thorough assessment of courses; therefore, course descriptions and preferably course outlines/syllabi and student learning outcomes (SLOs) must be provided for out-of-state institutions. UH System transcripts with records from 1987 to present should not be sent to Honolulu CC as such records are accessible through the UH Student Information System.

TRANSCRIPT EVALUATION REQUEST FORM: Once enrolled in Honolulu CC classes, students must complete a Transcript Evaluation Request Form and submit the form to the Records Office. The Records Office will verify the official transcripts then send the transcripts to the appropriate program counselor for evaluation. Once complete, transferred credits will be available for review via the transcript tab on the STAR Degree Check at *www.star.hawaii.edu*. The transfer *c*ourses will be posted to students' Honolulu CC transcripts after completion of coursework at Honolulu CC.

If courses have been previously approved for transfer from the student's former institution(s), those courses will automatically be granted acceptable within the same general education or program area.

If a course has not been previously approved for transfer from the student's former institution(s), a counselor prepares a Request for Articulation Form and attaches the course information and forwards the Request Form to the faculty member responsible for the discipline or program.

A faculty member in the discipline decides whether the course will be accepted for transfer credit and the status of the transfer credit e.g. meeting specific general education requirements, program requirements, or elective credits and completes, signs, and returns the Request Form to the counselor.

The transfer course is then entered into the Transfer Database so future students transferring from the same institution will receive the designated credit.

Prior Learning Credit

When requested, transfer credits may be granted:

1. If the course has direct equivalence to a Honolulu Community College course, is from a regionally accredited U.S. institution, and meets the transfer credit requirements in effect at the time of approval.

2. If non-credit training has been evaluated by the American Council of Education (ACE) using guidebooks such as:

    - The National Guide to the Educational Credit for Training Programs;

    - The Guide to the Evaluation of Educational Experiences in the Armed Services; and,

    - Guide to Educational Credit by Examination.

3. If Honolulu Community College has a formal agreement with an institution/ organization.

4. Portfolio-based review is one of the newest options for awarding Prior Learning (PL) credits. Using portfolio-based assessments, students prepare documentation and provide evidence of learning

from outside the traditional classroom. The documentation and evidence are reviewed by a panel of subject matter experts. These experts, known as the Portfolio Review Committee will use course SLOs as the basis to compare the portfolio documentation and evidence. Based on this review process, recommendations will be made to award the appropriate number of college credits. Students will be charged 60% of the prevailing tuition and fees for the assessment of the evidence of student learning. More information can be obtained from Academic Counseling or the PLA representative.

COLLEGE-CREDIT EQUIVALENCY

Honolulu Community College recognizes that there are experiences outside of the college classroom that can provide College-level competency. Students with such life experiences may choose to validate their expertise through a number of evaluation procedures. Students should be aware, however, that transfer credits awarded by Honolulu CC may be reevaluated and not necessarily accepted by another institution when transferring.

NATIONWIDE EQUIVALENCY EXAMINATION: Students may apply for credits by having official transcripts from Examination Programs sent to the Records Office. Examination Programs are administered by the College Entrance Examination Board of The College Board with the assistance of the Educational Testing Service. These examination programs include the College Level Examination Program (CLEP), the Advanced Placement (AP) examinations, and the Defense Activity for Nontraditional Educational Support (DANTES), a testing service provided The Chauncey Group International and a subsidiary of Educational Testing Service. At this time Honolulu CC does not administer any of these examinations. A list of accepted tests and cutoff scores for transfer of credit may be obtained from the Academic Counseling Office.

ADVANCED PLACEMENT EXAMINATION: Honolulu Community College accepts Advanced Placement Examination scores for credit, and in some instances, placement. For examination scores to be evaluated, students must have official transcripts of examination results sent to the Records Office and submit a Request for Transcript Evaluation form. Generally, credit and placement are granted for examination scores of 3 or higher. Further information is available from the Academic Counseling Office.

COLLEGE TRANSFER CREDITS: Credit from courses completed with a grade of "D" or better at other regionally accredited Colleges and Universities may be transferred to Honolulu Community College. It is the responsibility of the student to have official transcripts sent directly to the Honolulu CC Records Office along with course descriptions, and Student Learning Outcomes (SLO) when available. Student transcripts will be evaluated in relation to a specific degree or certificate. If students change majors, they may have their transcripts reevaluated. Joint Services Transcripts (JST) sent directly to the Honolulu CC will be evaluated and appropriate credits granted toward a specific degree. Honolulu CC reserves the right to reject recommendations made by the American Council on Education (ACE) guidelines. Transcript evaluations will be processed after students are enrolled for at least one credit for Fall/Spring. Students not currently enrolled for Fall/Spring and using the transcript evaluation for Graduation purposes only, MUST inform the Records office.

CREDIT FOR NON-COLLEGIATE TRAINING: Proper documentation of non-collegiate training must be provided to the program that would be accepting credit in transfer. Course credit recommendations provided by the ACE in the National Guide to Educational Credit for Training Programs may be used by programs in deciding on the type and amount of credit that may be granted. The Honolulu CC Request for Articulation of Non-Collegiate Credits form is available at the Admissions and Academic Counseling Office.

INTERNATIONAL COLLEGES AND UNIVERSITIES: Credits earned in institutions of higher education in foreign countries may be transferred in some cases. Official transcripts must be sent directly to the Honolulu CC Records Office. Transcripts and related documents are to include course descriptions and MUST have certified English translations attached. Students are advised to check with the Records Office before ordering transcripts to see if transfer of credit will be considered.

CREDIT BY EXAMINATION

Credit by Examination is available in a few courses at Honolulu Community College. To be eligible to apply for Credit by Examination, students must be enrolled in a course other than the course that the student is trying to satisfy by taking the exam. Eligible students who learned the course content through previous training or experience, but did not receive college credit for the course may apply for Credit by Examination following the procedures outlined below:

1. The student contacts the Division Chair to determine if Credit by Examination is available for the particular course the student wishes to challenge. Whether or not a course is appropriate for this process is decided by the faculty member who will create and evaluate the examination for that course.

2. The student obtains a request form from the Records Office.

3. The student presents the request to the Division Chair who interviews the student and signs and forwards the request to the appropriate Dean for processing.

4. The student will complete the examination prepared for the course at a time set by the examiner.

5. Upon completion of the examination, the examiner records the result on the student's record. The "CE" grade is assigned if the student earns credit through Credit by Examination. To earn credit, a student must pass the examination with the equivalent of a "C" grade or higher. The "N" grade is assigned if the student fails to earn credit through Credit by Examination.

6. Students will be charged for a course challenged through Credit by Examination at 50% of the prevailing tuition and fee regardless of the outcome of the examination.

Course Waivers and Substitutions

CAREER AND TECHNICAL EDUCATION PROGRAMS: A student seeking to waive or substitute courses must see an Academic Counselor to complete the Request for Course Waiver/Substitution for Career and Technical Education Programs. The Academic Counselor will conduct a credit/progress check with the student to verify that the substitute course is appropriate and not being used to satisfy other requirements. A transcript and course description (for non-Honolulu Community College courses only) must be attached to EACH request and both the counselor and student sign the form. The form will be submitted to the Discipline Curriculum Liaison, Division Chair of the student's major, and Division Chair of the academic area for comments and recommendations, then to the Dean of the student's program for approval. The form will then be forwarded to the Records Office. If the waiver or substitution is approved, it will be noted on the student's academic record, and the student will be notified of the approval or disapproval.

LIBERAL ARTS PROGRAM: A student must request a Liberal Arts Course Waiver or Substitution Form through an Academic Counselor.

The Registrar approves substitutions for Liberal Arts majors under the following conditions:

- Course waivers and substitutions may be made only in the area of Honolulu CC electives. Students may substitute other Honolulu CC courses if the Vice Chancellor of Academic Affairs or University College Dean agrees that the substitution will receive applicable transfer credit at the schools to which the student intends to transfer.

- The substitution must not conflict with other requirements stated in the Honolulu CC catalog for the year used for graduation (total credits, GPR, numbering, area requirements, writing intensive requirements, lab requirements).

- The substitution must satisfy the transfer AA degree definition of the University of Hawai'i Articulation Policy.

Approval will be noted on the student's academic record, and the student will be notified of the decision.

Note: Approval for a Course Waiver/Substitution will not be granted prior to the successful completion of a course.

Repeating a Course

Students may repeat any course in which a **D, F, N, W,** or **L** was received. Credit is allowed only once for a repeated course. The first and all subsequent grades will remain on the student's Academic Record and all grades will be used to compute the grade point average (G.P.A.) and to determine academic status.

- Certain courses may be repeated for additional credits. The course description in the Catalog indicates whether or not a course is repeatable for additional credit.

- If a student inappropriately repeats a course for which a "C" or higher is earned, (i.e., in circumstances other than those described above), neither the credits nor grade points will be used to compute the G.P.A.

SPECIAL PROVISION FOR REPEATING WRITING INTENSIVE (WI) COURSES: Students who receive a grade of "C" or higher in a course previously not designated as WI are not allowed to repeat the course to satisfy the WI requirement for the A.A. degree.

SPECIAL PROVISION FOR REPEATING ENGLISH (EXCEPT **LSK 30**):
Students who receive a **D, F, N,** or **W** the first time they take the course may repeat the course without written approval. Students are strongly encouraged to consult with their Academic Counselor or previous instructor prior to repeating the course.

Students who receives a **D, F, N,** or **W** the second time may repeat the course by either:

1) Obtaining written approval from both the most recent instructor and the receiving instructor;

   OR

2) Register for the course during Late Registration on a space-available basis.

Final Examinations

Final examinations are given during the Evaluation Period, as published in the *ACADEMIC CALENDAR* in this Catalog. Final Exam Times are provided in the Honolulu CC Registration Guide, available online (*www.honolulu.hawaii.edu/registration*) and for pick up at the Records Office each semester.

Grade Reports

Grades are available online at MyUH Portal *(myuh.hawaii.edu)*. Students are responsible for reporting any error in grades to the Records Office within ten days following the end of the semester.

GRADING: Students are assigned grades based on standards of achievement established by the instructor of each class. Students will be informed of these standards by the instructor. Written papers, participation in class discussion, performance on assigned projects, mid-term and final examinations, and other evaluative methods are used by instructors to assess achievement and assign grades. Instructors maintain office hours to provide special assistance to students outside of class.

GRADING SYSTEM: The "Letter Grading System'' is used to report student achievement or standing in most areas. The "Credit/No-Grade System'' is used only in the courses in this catalog designated "Credit/No-Grade'' (**CR/N**).

LETTER GRADING SYSTEM

Grade	Grade Points	Interpretation
A	*4*	*Excellent Achievement*
B	*3*	*Above Average Achievement*
C	*2*	*Average Achievement*
D	*1*	*Minimal Passing Achievement**
F	*0*	*Failure*
W	*Not Computed*	*Withdraw*
N	*Not Computed*	*No Grade*
I	*Not Computed*	*Incomplete*

*Note: Some courses require a "C" grade for minimal passing.

CREDIT-NO GRADE GRADING SYSTEM

Grade	Grade Points	Interpretation
CR	*Not Computed*	*Satisfactory Completion*
CE	*Not Computed*	*Satisfactory Completion*
N	*Not Computed*	*No grade*
I	*Not Computed*	*Incomplete*

DEFINITIONS:

- **CR** Grade: The **CR** grade is assigned to denote passing work (equivalent to a grade of "C" or higher) for courses taken on a credit/ no-credit basis. **CR** grades do not affect the grade point average.

- **CE** Grade: The **CE** grade is assigned to denote a grade of C or higher for a course taken via the Credit by Examination option. **CE** grades do not affect the grade point average.

- **L** Grade: The L grade is assigned for those courses a student has received permission to audit. (See also *AUDITING COURSES*.)

- **RD** or Record Delayed: RD means that the grade has not been received by the deadline to enter grades into Banner.

Important Note:
Federal regulations stipulate that any recipient of Federal Title IV funds or Veteran's Administration benefits who withdraws or disappears will be subject to a calculation which will determine the amount of Title IV funding or Veteran's benefits that the student and the College are responsible for returning to the federal government.

This means that some grade assignments may affect the status of a student's financial aid or Veteran's benefits, requiring that some portion of that aid be returned. These include the I grade, the N grade, the F grade, and the W grade.

- **I** or Incomplete Grade: The **I** grade may be assigned when a student has completed most of the work in a course. The decision as to whether or not an **I** grade will be assigned is solely that of the instructor. The specific deadlines for completion of make-up work are also determined by the instructor, with the stipulation that the final deadline must not be later than the final deadline published in the Academic Calendar. A student who is assigned an **I** grade must contact the instructor and make arrangements for completing and submitting make-up work well before the final deadline determined by the instructor.

  The assignment of an **I** grade will also include a level of accomplishment grade which will be assigned if the missing work is not completed. For example, if an **I/C** grade is assigned, and the student takes no further action before the deadline, the **I** grade will be automatically changed to a **C** grade. In no case will an **I/W** grade be assigned. An **I/F** or **I/N** grade will also include the date of last attendance as provided by the instructor.

- **N** Grade: The **N** grade is assigned to denote that a student did not pass a course taken on a credit/no-credit basis. The **N** grade is also assigned when a student fails to earn credit after challenging a course through Credit by Examination. **N** grades do not affect the grade point average.

  Additionally, the **N** grade is used by some instructors to indicate that a student has not completed the requirements of the course, or has not reached a level of accomplishment within a specified time period that will allow for an evaluation. The decision as to whether or not an **N** grade will be assigned is solely that of the instructor. Students who wish to request an **N** grade must consult with the instructor to see if the assignment is possible.

- **W** or Withdraw Grade: The **W** grade is assigned when a student formally withdraws from a course by the last date to withdraw as stated in the Academic Calendar. (See *CHANGE OF REGISTRATION: ADDS AND DROPS*.)

Grade Point Average (Ratio): A student's grade point average is computed by dividing the student's total grade points earned by the total credits attempted, excluding credits for which grades of $CE, CR, I, N, L,$ or W, are assigned.

HOW TO COMPUTE YOUR GRADE-POINT AVERAGE (RATIO) GRADE POINTS

Grade		Points
A	=	*4 per credit*
B	=	*3 per credit*
C	=	*2 per credit*
D	=	*1 per credit*
F	=	*0 per credit*
CE	=	*Not Computed*
CR	=	*Not Computed*
I	=	*Not Computed*
L	=	*Not Computed*
N	=	*Not Computed*
W	=	*Not Computed*

FORMULA :

$$\frac{Total\ no.\ of\ grade\ equivalents\ by}{Total\ no.\ of\ credits\ attempted}$$

Current G.P.A. (G.P.R.) = grade point average (ratio) for the current semester

Cumulative G.P.A. (G.P.R.) = grade point average (ratio) for all semesters at Honolulu CC combined

AA G.P.A. (G.P.R.) - See AA degree section.

In accordance with the Honolulu CC Repeat Policy, some grades may be averaged.

In accordance with the Honolulu CC Transfer Policy, transfer courses are not included in G.P.A. calculations.

GRADE CHANGE: A student may request a Change of Grade up to a year from the date of receiving a course grade.

Academic Probation and Suspension

The Academic Probation and Suspension Procedures serve to place a student on notice that academic performance is below minimum college standards. The intent of probation and suspension is to encourage students to take necessary actions to become successful. Students have an obligation to use the opportunity for publicly supported education effectively. Students on academic probation or suspension are strongly urged to seek the assistance of an Academic Counselor and limit their credit load to a maximum of 12 credits.

ACADEMIC PROBATION: A student will be placed on academic probation at the end of any Fall, Spring, or Accelerated Term if their cumulative grade point average is below 2.00. Students on Academic Probation may continue at the College if they maintain a current term grade point average of 2.00 or higher for all credits graded.

ACADEMIC SUSPENSION: A student who fails to achieve at least a 2.00 current grade point average in all credits graded at the end of the Fall, Spring or Accelerated Term while on academic probation shall be suspended for one semester. Written notice of suspension will be sent by the Vice Chancellor of Academic Affairs to each suspended student.

PETITION FOR READMISSION FOLLOWING A BREAK OF ENROLLMENT: A student who has been suspended from Honolulu CC must sit out one semester. A suspended student may return to Honolulu CC by completing a petition with an Academic Counselor. Appeal forms are available from the Admissions and Academic Counseling Office.

After readmission, the student will be placed on probation until the minimum academic standard of a 2.00 grade point average (GPA) is achieved to clear the probation status.

Dismissal: During the first semester after readmission from suspension, a student who fails to earn a current grade point average of at least 2.00 in all credits graded will be dismissed. Written notification of dismissal will be sent to each dismissed student. Instructions regarding Readmission After Dismissal will be included in the written Notification of Dismissal. Regulations governing academic dismissal will be applied at the end of each Fall and Spring semester. Dismissed students cannot attend Honolulu Community College for at least one semester/term before applying for readmission. A student who has been dismissed from Honolulu CC and who has not been enrolled for one or more Fall, Spring or Accelerated Term, may petition for Readmission Following Dismissal by completing a petition with an Academic Counselor. Please file a "Petition for Readmission Following Academic Dismissal" form available at the Admissions or Academic Counseling Office (Building 5 or 6, First Floor).

Scholastic Honors

Effective Fall 1998, students who meet the following criteria will earn a place on the Dean's List:

1. A minimum of six credits of letter grade courses completed in the semester of eligibility;
2. A cumulative grade point ratio of 3.0;
3. The grade point qualification of 3.6 in the semester of eligibility;
4. Minimum of 12 credits earned at Honolulu CC. The 12 credits may have been earned during or before the term for which the student is being considered for the Dean's List; and,
5. No N's, I's, or F's, and a maximum of one W in the semester of eligibility. A student will not be named retroactively to the Dean's List based on any Change of Grade submitted after the applicable end-of-semester deadline.

Students named to the Dean's List shall be so informed, in writing, by the Vice Chancellor of Academic Affairs. If a student believes that he/she should have been named to the Dean's List but was not, the student is encouraged to make a timely inquiry to the Vice Chancellor of Academic Affairs or designee.

Interested students may choose to join Phi Theta Kappa, a national honors society for Community College students. Interested scholars should contact the Office of the Vice Chancellor of Academic Affairs.

To graduate with honors, students must earn at least 24 credits at Honolulu Community College and have a cumulative grade point average of 3.50 or better.

Transcript Requests

A student must file a written request for official transcripts at the Records Office. A minimum of seven working days should be allowed for the processing of requests. (See *TRANSCRIPT FEE*.)

Online Ordering. For an additional $2.50 processing fee, order your transcript online through National Student Clearinghouse (tsorder.studentclearinghouse.org/school/select). Payment is only by debit/credit card (must have a valid email address).

Family Educational Rights and Privacy of Students

Notification of Rights Under FERPA

Pursuant to Section 99.7 of the Rules and Regulations governing the Family Educational Rights and Privacy Act of 1974, hereinafter the Act, students in attendance at Honolulu Community College are hereby notified of the following:

It is the policy of Honolulu Community College to subscribe to the 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.

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

• The right to inspect and review the student's education records within 45 days after the day Honolulu Community College receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The Honolulu Community College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the Honolulu Community College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

- The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

  A student who wishes to ask the Honolulu Community College to amend a record should write the Honolulu Community College official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

  If the Honolulu Community College decides not to amend the record as requested, the Honolulu Community College will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

- The right to provide written consent before the Honolulu Community College discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

  The Honolulu Community College discloses education records without a student's prior written consent under the FERPA exception for disclosure to Honolulu Community College officials with legitimate educational interests. A Honolulu Community College official is a person employed by [Honolulu Community College] in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of regents; or a student serving on an official committee, such as a disciplinary or grievance committee. A Honolulu Community College official also may include a volunteer or contractor outside of [Honolulu Community College] who performs an institutional service or function for which the Honolulu Community College would otherwise use its own employees and who is under the direct control of the Honolulu Community College with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent. A Honolulu Community College official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for (Honolulu Community College].

- Parents and spouses of students are advised that information contained in education records, with the exception of directory information, will not be disclosed to them without the prior written consent of the student.

- Students are advised that institutional policy and procedures required under FERPA have been published as Administrative Procedure AP 7.022, Procedures Relating to Protection of the Educational Rights and Privacy of Students. Copies of Administrative Procedure AP 7.022 may be obtained from the Office of the Vice Chancellor for Students.

- The right to file a complaint with the U.S. Department of Education concerning alleged failures by (Honolulu Community College] to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW Washington, DC 20202

DIRECTORY INFORMATION:

The University has designated the following information from a student's education record as "directory information":

Name of student;
Major field of study;
Class (i.e., freshman, sophomore, etc.);

Past and present participation in officially recognized activities (including positions held and official statistics related to such participation and performance);

Past and present participation in officially recognized sports (including positions held and official statistics related to such participation and performance);

Weight and height of members of athletic teams;

Dates of attendance;

Previous institution(s) attended;

Full or part-time status;

Degree(s) conferred (including dates);

Honors and awards (including dean's list).

At its discretion and in conformance with applicable state law, the University may disclose directory information to the public without obtaining a student's prior consent, so long as certain conditions regarding general notification of disclosure of directory information have been followed. Specific directory information about an individual student will not be released to the public if the student has affirmatively informed the University that he or she does not want any or all of those types of information about himself or herself designated as directory information. The procedures for an individual student to "opt" out of disclosure is set forth in UH administrative policy A7.022

Note: Submission of this FERPA nondisclosure of directory information request does not automatically remove students from the UH Online Directory of email addresses, which is accessible only to those with a valid UH email address.

To remove yourself from the UH Online Directory:
Login to MyUH
Select the My Profile Tab
Look for UH Online Directory, Options for Students, select Opt-out
Lists of directory information will not be made publicly available to third parties.

The Honolulu Community College may provide the UH Foundation with lists of students with the following information: name, Honolulu Community College/college/division/department. Degree, major and minor fields of study, UH email address, home address, and telephone number for the purpose of University and alumni relations.

FERPA Annual Notice Addendum:

As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records -- including your Social Security Number, grades, or other private information-- may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education" such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such re-search. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authori-ties may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

STUDENT REGULATIONS

General Rights and Responsibilities

The process of teaching and learning involves rights and responsibilities on the part of faculty members, students and other members of the College and community. Honolulu CC seeks to create and maintain the best possible environment for teaching and learning to take place. Students are expected to understand and follow the course requirements as presented by each instructor; to act with respect toward their instructors, fellow students, and others with whom they may interact in the course of their studies; and, to complete all work required for their courses. Students may, in turn, expect to be treated with respect and evaluated fairly based on their academic performance.

Students are encouraged to become familiar with important policy statements that explain, in greater detail, their rights and responsibilities. These policies also outline the ways in which the College will address concerns or problems students might encounter. In general, the College wants to ensure that such issues are resolved as quickly and as fairly as possible for all involved, so that faculty and students can return to their primary focus: education. The full texts of the Student Conduct Code, the Student Academic Grievance Procedure, and the policies on Sexual Harassment and Sexual Assault, outlined briefly in this catalog, are posted on the College website (www.honolulu.hawaii.edu).

Student Conduct Code

WEBSITE: *www.honolulu.hawaii.edu/node/163*

It is a privilege to be a member of the Honolulu Community College community. This privilege provides the student with the opportunity to learn and participate in the many programs that are offered on campus. Along with that privilege, the individual is expected to be responsible in relationships with others and to respect the special interests of the institution. These special interests are fully set forth in the UH System's Student Conduct Code.

One or more of the following sanctions may be imposed whenever a student is found to have violated any of the rules contained in this code: warning, probation, restitution, temporary suspension, suspension, expulsion, or rescission of grades or degrees.

Academic Integrity

The integrity of a university depends upon academic honesty, which consists of independent learning and research. Academic dishonesty cannot be condoned by the University. Such dishonesty includes cheating and plagiarism (examples of which are given below), which violate the Student Conduct Code and may result in suspension or expulsion from the University.

Cheating includes, but is not limited to:

- giving or receiving unauthorized assistance during an examination;
- obtaining unauthorized information about an examination before it is given;
- using inappropriate or unallowable sources of information during an examination;
- falsifying data in experiments and other research;
- altering the record of any grade;
- altering answers after an examination has been submitted;
- falsifying any official University record; or,
- misrepresenting the facts in order to obtain exemptions from course requirements.

Plagiarism includes, but is not limited to:

- submitting, in fulfillment of an academic requirement, any document that has been copied in whole or in part from another individual's work without attributing that borrowed portion to the individual;

- neglecting to identify as a quotation another's idea and particular phrasing that was not assimilated into the student's language and style or paraphrasing a passage so that the reader is misled as to the source;

- submitting the same written or oral material in more than one course without obtaining authorization from the instructors involved; or,

- drylabbing, which includes obtaining and using experimental data and laboratory write-ups from other sections of the course or from previous terms, or fabricating data to fit the desired or expected results.

Copies of the Student Conduct Code are available online at *http://www.hawaii.edu/policy/index. php?action=viewPolicy&policySection=ep&policyChapter=7&policyNumber=208*

Disciplinary Action

The faculty member must notify the student of the alleged academic misconduct and discuss the incident in question. The faculty member may take academic action against the student as the faculty member deems appropriate. These actions may be appealed through the Academic Grievance Procedure. In instances in which the faculty member believes that additional action (i.e., disciplinary sanctions and a UH Mānoa record) should be established, the case should be forwarded to the Office of the Dean of Student Services.

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 charges, transcript fees, loans past due, rental payments, etc., may be denied grades, transcripts, diplomas and registration.

To clear a financial obligation hold online, students must contact the office that placed the hold to have the hold removed from their account. 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 the Business Office.

Student Participation in Assessment

Honolulu Community College is committed to the measurement of student achievement and the array of services that affect student learning. This assessment process addresses the issues of quality in our programs and services and ensures that students are learning what they need to learn. The assessment program at Honolulu CC has five specific and interrelated goals. They are:

- Improve student academic achievement;

- Improve teaching strategies;

- Improve support services (physical resources, financial aid, admissions, student life, counseling, etc.);

- Document successes and identify opportunities for program improvement, and,

- Provide evidence of institutional effectiveness to the Honolulu CC campus, the University of Hawai'i system, accrediting bodies, and the community.

In order to achieve these goals, students at Honolulu CC will be asked to participate in a variety of assessment activities ranging from the assessment of classroom learning to the assessment of college resources, services, and policies. The information gained from these assessments will be used to make decisions that are essential to maintaining standards and ensuring continuous improvement in quality at Honolulu CC.

STUDENT REGULATIONS

POLICIES & PROCEDURES

Academic Grievance

WEBSITE: *www.honolulu.hawaii.edu/node/46*

A student who believes that a faculty member has failed to meet specific responsibilities may register a grievance. Students and faculty are encouraged to resolve their differences through consultation and mediation. Where these efforts are ineffective, the policy sets forth the process that is available to the student grievant.

Academic Rights and Freedoms of Students

Honolulu Community College embraces those aspects of academic freedom that guarantee the freedom to teach and the freedom to learn. Free inquiry and free expression for both students and faculty are indispensable and inseparable. Students, whether from the U.S. or from foreign countries, as members of the academic community are encouraged to develop a capacity for critical judgment and to engage in a sustained and independent search for truth.

For it's part, Honolulu Community College guarantees all students the freedom of silence. No student is required to engage in research on any topic or make statements of any kind, unless it is the student's wish to do so.

Nondiscrimination and Affirmative Action

www.hawaii.edu/policy/docs/temp/ep1.202.pdf
www.hawaii.edu/policy/docs/temp/ap9.920.pdf

The University of Hawai'i is an Equal Opportunity/Affirmative Action Employer. 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:

- Title VI of the Civil Rights Act of 1964 as amended (race, color, national origin);
- Age Discrimination Act of 1975 (age);
- Titles VII and VIII of the Public Health Service Act as amended (sex);
- Title IX of the Education Amendments of 1972 (sex, blindness, severely impaired vision);
- Section 504 of the Rehabilitation Act of 1973 (disability).

The University of Hawai'i also complies with Federal and State laws which mandate affirmative action and/or prohibit discrimination in employment, including, but not limited to, hiring, firing, upgrading, salaries, benefits, training, and other terms, conditions, and privileges of employment:

- Title VII of the Civil Rights Act of 1964 as amended (race, color, national origin, religion, sex, pregnancy);
- Executive Order 11246 as amended (race, color, national origin, religion, 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 (ages 40–70);
- Section 402 of the Vietnam Era Veteran's Readjustment Assistance Act of 1974 (veteran's status);
- Section 503 and 504 of the Rehabilitation Act of 1973 (disability);
- Hawai'i Revised Statutes, Chapter 76, 78, 378 (race, sex, sexual orientation, age, religion, color, ancestry, political affiliation, disability, marital status, arrest and court record).

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 and Section 504.

Students, employees, or applicants for admission or employment who believe that they have been discriminated against on the basis of race, age, religion, color, ancestry, national origin, disability, marital status, veteran's status or arrest and court record may file a complaint with the following:

Monique Tingkang
Honolulu Community College EEO/AA Coordinator
808-844-2398; monique4@hawaii.edu

Wayne Sunahara
Honolulu Community College Section 504 Coordinator
808-845-9264; waynens@hawaii.edu

Mary Perreira
Office of the Vice President for Community Colleges
Director of EEO/AA
808-956-4650; eeoc@hawaii.edu

The EEO/AA coordinator will explain the available avenues of recourse and direct the person to the appropriate person or office. Students may also file complaints of discrimination with the Office for Civil Rights, Seattle Office, US Department of Education, 915 Second Avenue, Room 3310, Seattle, WA 98174-1099. Phone: (206) 607-1600, Email: OCR.Seattle@ed.gov

Other College Policies and Procedures

The links below can be used by students, faculty, staff and for individuals inquiring about Honolulu Community College's policies and procedures.

RP 12.203 - Right to Investigate and Disseminate (https://www.hawaii.edu/policy/docs/temp/rp12.203.pdf)

UHCCP #5.211 - Statement on Professional Ethics (http://uhcc.hawaii.edu/ovpcc/policies/UHCCP_5.211)

EP 5.211 - Policy For Responding to Allegations of Research and Scholarly Misconduct (https://www.hawaii.edu/policy/archives/ep/e5/e5211.pdf)

EP 9.201 - Faculty and Staff Renewal and Vitality Directive (http://hawaii.edu/policy/index.php?action=viewPolicy&policySection=ep&policyChapter=9&policyNumber=201&menuView=closed)

Title IX

Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex in education programs and activities that receive federal financial assistant. The conduct prohibited under Title IX includes all forms of sex discrimination: the failure to provide equal opportunity in any program or service, discrimination based on pregnancy, sex harassment, gender-based harassment (including intimidation or hostility based on sex-stereotyping), and sexual violence such as sexual assault, sexual coercion, and rape.

Honolulu Community College recognizes the inherent dignity of all individuals and hereby declares and reaffirms its commitment to the University's pursuit of equal education and employment opportunity. Any harassment of students or employees on the basis of sex, gender, and/or sexual orientation is prohibited and will not be tolerated.

Sexual misconduct, including sexual harassment, sexual assault, sexual exploitation, domestic and dating violence, and stalking are violations of the University of Hawai'i's sexual misconduct policy, Interim EP1.204 (www.hawaii.edu/policy/docs/temp/ep1.204.pdf). A number of federal laws and regulations, including Title IX, the Violence Against Women Act, and the Clery Act mandate how institutions respond to such allegations. Many types of sexual misconduct also constitute violations of Hawai'i law.

If you have been a victim of sexual misconduct, Honolulu Community College encourages you to seek support promptly. Students who would like to talk to someone confidentially regarding sex or gender-based discrimination may contact or make an appointment with the Wellness Center for counseling. Please contact the center at 808-845-9180 or hccwell@hawaii.edu to make an appointment, or walk-ins are accepted. If the office is closed please follow procedure and communicate with the Dean of Students Office at (808) 845-9236. For more resources and a comprehensive list of services available, please see the following links: http://www.hawaii.edu/titleix/confidential/ or www.honolulu.hawaii.edu/title9.

POLICIES & PROCEDURES

Individuals who would like to report an incident of sex or genderbased discrimination may contact the Title IX Coordinator and Deputy Title IX Coordinators who oversee Honolulu Community College's centralized review, investigation, and resolution process for reports of sexual misconduct at honcctix@hawaii.edu or:

David Uranaka-Yamashiro
Title IX Coordinator
Building 7, Room 324
874 Dillingham Blvd.
Honolulu, HI 96817
Phone: (808) 845-9174
Email: dryamash@hawaii.edu

Lara Sugimoto
Deputy Title IX Coordinator for Students
Building 6, 2nd Floor
874 Dillingham Blvd.
Honolulu, HI 96817
Phone: (808) 845-9235
   Email: larahs@hawaii.edu

Monique Tingkang
Deputy Title IX Coordinator for Employees
Building 6, 2nd Floor
874 Dillingham Blvd.
Honolulu, HI 96817
Phone: (808) 844-2398
Email: monique4@hawaii.edu

Wayne Sunahara
Deputy Title IX Coordinator for Students
Building 7, Room 326
874 Dillingham Blvd.
Honolulu, HI 96817
Phone: (808) 845-9264
Email: waynens@hawaii.edu

Illicit Drugs and Alcohol

Copies of policies governing the possession, consumption, serving and sale of illicit drugs and alcohol on the University of Hawai'i, Honolulu Community College campuses are available in the Student Health Office (Bldg. 2-108A), Office of Student Services and the Office of the Vice President for Community Colleges.

Campus-sponsored activities on campus that involve either the serving or selling of alcoholic beverages must be in compliance with applicable college/university policies and State laws and must be approved by the Chancellor in advance.

This Official Notice, by the University of Hawai'i, Office of the President is issued pursuant to the requirements of the Federal Drug-Free Schools and Communities Act of 1989 and the Drug-Free Workplace Act of 1988.

To conform with the 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 the use of illegal drugs and alcohol. Students found in violation shall be subject to the provisions of the Student Conduct Code. Faculty and staff found in violation 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 Regents 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 which 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.

UH Tobacco Products Policy

http://www.hawaii.edu/policy/?action=viewPolicy&policySection=ep&policyChapter=10&policyNumber=102&menuView=closed

On 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 on all 10 UH campuses and university-related grounds and facilities. This includes, but is not limited to education centers, research stations and other UH-owned properties.

We encourage everyone to refrain from using tobacco products while on property owned or operated by UH. Tobacco products include, but are not limited to, cigarettes, cigars, pipes, smoking tobacco, electronic cigarettes, vapes and chewing tobacco. Those intending to use tobacco products must leave the UH campus, facility or grounds to do so. Previously designated "smoking areas", (including parking lots) are now also no-smoking areas.

Lethal Weapons

Lethal weapons (firearms, spear guns, and bows and arrows) are prohibited on campus except with specific prior permission of the Chancellor.

Personal Property

The University of Hawai'i and Honolulu Community College are not responsible for lost, stolen, or vandalized personal property. Individuals are advised to safeguard their own personal property, including cars, purses, tools, books, etc. The Student Life and Development Office located on the first floor of Building 2 houses the lost and found center.

Copyright Policy

A copy of the University of Hawai'i Copyright Policy is available in the Honolulu Community College Library. The policy is applicable to all UH campuses, including Honolulu Community College.
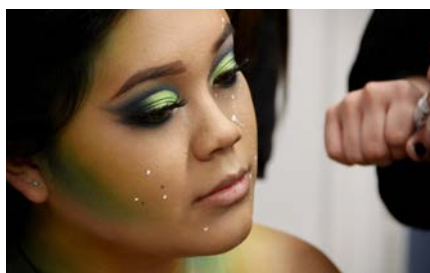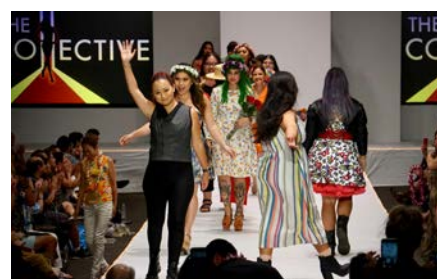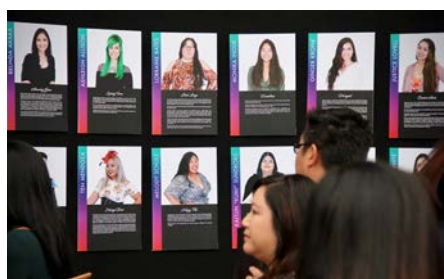
Annual Fashion Show

Cosmetology Showcase 2019

DEGREES & CERTIFICATES

GRADUATION INFORMATION

Eligibility for Graduation

Graduation requirements are based on approved program requirements.

In determining graduation eligibility, the terms "Major Courses", "Courses in the Major", and "Credits in the Major" refer to the following:

- Courses which are trade specific, i.e., the course title or the course description indicates that the course is specifically for students in the major (e.g., CHEM 105C for Cosmetology Majors),

- Courses which satisfy program requirements and have the alpha associated with the major (e.g., WELD 52 for the Welding program, but not WELD 19).

To graduate with a degree (AA, AS, AAS, ATS) from a University of Hawai'i Community College, a student must have earned a minimum of 12 credits of program courses in the degree/major from that college. For the Applied Trades Degree, any twelve (12) credits that may be applied to the AAS degree and earned at Honolulu Community College, including credits converted from a Honolulu Community College Apprenticeship Program, will satisfy this requirement. Exceptions to the policy, to reduce the number of required credits, may be made on a case-by-case basis by the Vice Chancellor for Academic Affairs, or designee, in consultation with the appropriate campus personnel, at the degree-granting college.

Graduation Options

Enrolled Students: (students maintaining continuous enrollment at Honolulu Community College) may graduate according to:

- The requirements in effect at the time they enrolled; or,

- The requirements in effect at the time of graduation.

Students who change their major while enrolled may graduate according to:

- The requirements of their major in effect at the time they changed their major; or,

- The requirements in effect at the time of graduation.

IMPORTANT: Students who have a break in enrollment and apply for graduation will graduate according to the requirements in effect at the time of graduation. If the break in enrollment has been less than one year, students have the option of following the requirements for enrolled students.

(Graduation options do not apply to course registration. Students must meet current requirements to register for a class.)

Credit Time Limits

There is no expiration date for courses that fulfill a student's associate in arts degree requirements or that fulfill a student's general education requirements for any associate in science degree or certificate program. However, the division in which the student is pursuing an associate degree or certificate may decide that certain required courses that were taken in the past must be retaken. The respective division chair will make the final decision.

Graduation and Diploma Procedures

WEBSITE: *www.honolulu.hawaii.edu/node/168*

Students should consult with their Academic Counselor for a graduation evaluation prior to registering for their final semester.

Candidates for all Certificates and Associate degrees must file an application for graduation with the Records Office to participate in the graduation ceremony.

GRADUATION

Applications received after the announced deadline will be processed for graduation in the following semester.

A $15 fee that covers the printing cost of the diploma and its cover, is payable at the time the student submits an application. An additional fee of $15 is assessed for students requesting a second diploma and diploma cover.

For students not wishing to participate in the graduation ceremony, the $15 fee is applied only for the cost of the diploma and its cover.

If the student does not graduate in the semester they apply for, the $15 fee will be applied to the semester he or she graduates. However, another Application for Graduation must be filed with the Records Office by the announced deadline if the student plans to participate in the graduation ceremony.

More detailed information about the Graduation Application process can be found on the website.

Commencement Ceremony

The Commencement ceremony celebrates students' graduation. Commencement is conducted once a year at the conclusion of the Spring semester, however graduates from the previous Fall semester also participate in this ceremony.

To participate in the ceremony, students will need to submit an application for graduation by the deadline stated each year. Students who have applied for Spring or Fall Graduation will be invited to participate in the ceremony and will be included in the Commencement Program. Participants will be required to purchase caps and gowns for graduation. There is no additional charge for the graduate or their guests to attend the Commencement ceremony.

Any questions or concerns regarding the Commencement Ceremony should be directed to Student Life and Development.

REVERSE TRANSFER AND AUTOMATIC NOTIFICATION OF CREDENTIALS

Students who have successfully completed all program requirements for a degree or certificate will be made aware of the earning of the degree or certificate. Once verified, the earned degree or certificate will be noted on the academic record unless requested not to do so by the student. The notation will be at no cost to the student.

UH Community Colleges Academic Credentials

I. CERTIFICATES & COMPETENCIES

Certificate of Participation (CP)

A document issued to students who have participated in non-credit courses or activities which do not meet the requirements for other certificates or degrees. This certificate does not reflect academic performance, and no performance evaluation is implied by its issuance.

Certificate of Professional Development (CPD)

A college credential for students who have successfully completed designated short-term credit or non-credit courses which provide them with industry specific job upgrading or entry -level skills. The issuance of a Certificate of Professional Development requires that the students' work has been evaluated and stated competencies have been met. Credit course sequences shall be less than 4 credit hours.

Certificate of Competence (CO)

A college credential for students who have successfully completed designated short-term credit or non-credit courses which provide them with job upgrading or entry-level skills. Credit course sequences shall be at least 4 and less than 24 credit hours. To be eligible for the CO, students must maintain a grade point average (GPA) of 2.0 ("C") or higher. See additional academic requirements in *PROGRAM DESCRIPTIONS*.

Academic Subject Certificate (ASC)

A college credential for students who have successfully completed a specific sequence of credit courses from the Associate in Arts (AA) Degree curriculum. The sequence must fit within the structure of the AA degree, may not extend the credits required for the AA degree, and shall be at least 12 credit hours. To be eligible for the ASC, students must maintain a GPA of 2.0 ("C") or higher. See additional academic requirements in *PROGRAM DESCRIPTIONS*.

Certificate Of Achievement (CA)

A college credential for students who have successfully completed designated medium-term career and technical education credit course sequences which provide them with entry level skills or job upgrading. These course sequences shall be at least 24 credit hours, but may not exceed 51 credit hours (unless external employment requirements exceed this number). Appropriate to the CTE program, the CA may include General Education courses that meet industry requirements. The issuance of a CA requires that the student's work has been evaluated and stated outcomes have been met. The issuance of a CA requires that the student must earn a cumulative 2.0 GPA or better for all courses required in the certificate.

- Residency:: To graduate with a CA degree from a University of Hawai'i Community College, a student must have earned a minimum of 12 credits of program courses in the degree/major from that college. Exceptions to the policy, to reduce the number of required credits, may be made on a case-by-case basis by the Vice Chancellor for Academic Affairs, or designee, in consultation with the appropriate campus personnel, at the degree-granting college.

Advanced Professional Certificate (APC)

A college credential for students who have successfully completed a one-year advanced Career and Technical-Professional Program beyond the Associate Degree. Currently, the only program offering this certificate at Honolulu Community College is the Computing, Security, and Networking Technology (CSNT) Program. Please see details in the Career and Technical Education Programs/CSNT section of this catalog.

II. CAREER & TECHNICAL EDUCATION DEGREES

Beginning with the 1996-97 academic year, certain Career and Technical Education Programs began to offer the Associate in Applied Science (AAS) degree, while others offer an Associate in Science (AS) degree. In addition, a customized degree opportunity, the Associate in Technical Studies (ATS) degree is available. The definitions follow:

Associate In Science (AS) Degree

A two-year Career and Technical-Professional degree consisting of at least 60 semester credits, which provides students with skills and competencies for gainful employment, entirely at the baccalaureate level. To be eligible for the AS, students must maintain a cumulative GPA of 2.0 ("C") or higher. See additional academic requirements in *PROGRAM DESCRIPTIONS*.

Associate In Applied Science (AAS) Degree

A two-year Career and Technical-Professional degree consisting of at least 60 semester credits, which provides students with skills and competencies for gainful employment. This degree is not intended nor designed for transfer directly into a baccalaureate program. AAS programs include some baccalaureate level course offerings. To be eligible for the AAS, students must maintain a cumulative GPA of 2.0 ("C") or higher. See additional academic requirements in *PROGRAM DESCRIPTIONS*.

Associate In Technical Studies (ATS) Degree

A two-year Career and Technical-Professional degree consisting of at least 60 semester credits, which provides students with skills and competencies for gainful employment. This degree must be customized by using courses from two or more existing approved programs and is intended to target emerging career areas which cross traditional boundaries. The ATS degree must have educational objectives that are clearly defined and recognized by business, industry, and employers who have needs for specialized training for a limited number of employees. This degree must have advanced approval, and cannot be requested based upon previously completed coursework. To be eligible for the ATS, students must maintain a cumulative GPA of 2.0 ("C") or higher. See additional academic requirements in *PROGRAM DESCRIPTIONS*.

It is important that students consult with major program advisors or Academic Counselors when preparing their courses of study to ensure that the proper sequence is followed. The responsibility for meeting program requirements rests with the student.

Competencies for the AS, AAS, and ATS Degrees

Graduates of Honolulu Community College who complete one of the Career and Technical degrees should be able to:

- Demonstrate competence in a selected program of study;
- Demonstrate basic proficiency in English and Math;
- Demonstrate, by course completion, communication and quantitative or logical reasoning skills useful in the career field; and,
- Demonstrate, by course completion, understanding of the major areas of knowledge: the natural sciences, the social sciences, and the humanities and fine arts.

Additional Program and Course Student Learning Outcomes (SLOs) are described in the Honolulu Community College online catalog at *www.honolulu.hawaii.edu/catalog.*

CAREER & TECHNICAL EDUCATION DEGREES

Requirements for the AS, AAS, and ATS Degrees

- Credits earned in ELI courses; and all ESL courses except ESL 23,
   may not be used to fulfill degree requirements.

- English and Math graduation proficiency requirement: Written competence will be demonstrated by either completion of ENG 100 or higher or another approved course in the Communications category. Computational competence will be demonstrated by placement in MATH 100 and completion of MATH 100 or another approved course in the Quantitative or Logical Reasoning category. Students in programs requiring MATH 150 must complete MATH 50 with a "C" or higher as a prerequisite.

- Courses required by major program (see Programs and Courses sections).

- Electives as needed to meet total credit hour requirements.

- To graduate with a degree (AS, AAS, ATS) from a University of Hawai'i Community College, a student must have earned a minimum of 12 credits of program courses in the degree/major from that college. For the Applied Trades Degree, any twelve (12) credits that may be applied to the AAS degree and earned at Honolulu Community College, including credits converted from a Honolulu Community College Apprenticeship Program, will satisfy this requirement. Exceptions to the policy, to reduce the number of required credits, may be made on a case-by-case basis by the Vice Chancellor for Academic Affairs, or designee, in consultation with the appropriate campus personnel, at the degree-granting college.

Note: Some courses taken to fulfill the AS, AAS, ATS General Education requirements at Honolulu Community College may not be applicable toward degrees at other institutions including University of Hawai'i Campuses. Detailed information regarding course transferability from Honolulu Community College to other UH System Campuses is available from the UH Course Transfer Database at *www.hawaii.edu/transferdatabase*. Students pursuing an Associate in Science (AS) or an Associate in Applied Science (AAS) degree with the intent to transfer and pursue a baccalaureate degree, should meet with an Academic Counselor.

AS, AAS, and ATS Degrees Minimum General Education Requirements: 15 credits

Courses must be completed in each of the following five areas. In addition, courses may not be used to fulfill requirements in more than one category.

I. Communications:

Students placing into ENG 100 or higher have the option to complete ENG 100 or any of the following approved courses in the Communications category:

ENG 100, 100 (with 100S), 100 (with 100T), 209, 210

JOUR 205

II. Quantitative or Logical Reasoning:

Students placing into MATH 100 or higher have the option to complete MATH 100 or any of the following approved courses in the Quantitative or Logical Reasoning category:

MATH 100, 103, 115, 135, 140, 150, 150P 203, 241, PHIL 111

Recommended Preparation: Math prerequisites should be completed within the last two (2) years.

III. Humanities and Fine Arts:

AMST 150, 201, 202
ANTH 135 *(cross-listed as SSCI 125)*
ART 101, 107D, 111, 112, 113, 123, 196, 213
ASAN 100, 241 *(cross-listed as HIST 241)*, 242 *(cross-listed as HIST 242)*, 201, 202, 296C
CA 100
EALL 271 *(cross-listed as ENG 271)*, 272 *(cross-listed as ENG 272)*
ENG 250, 251, 252, 253, 254, 255, 256, 257B, 257C, 257E, 257F, 257G, 257H, 257K, 257M, 257N, 257O, 257P, 257S, 257X, 257Y, 257Z, 271 *(cross-listed as EALL 271)*, 272 *(cross-listed as EALL 272)*
FT 216
HAW 261

HIST   151, 152, 231, 232, 241 *(cross-listed as ASAN 241)*, 242 *(cross-listed as ASAN 242)*, 246, 250, 281, 282, 288, 296E, 296M
HWST   107, 135, 207, 270, 282, 285
JOUR   207,
LING   102
MUS   106, 107, 121D, 121Z, 122D, 122Z, 253
PHIL   100, 101, 102, 109, 110, 120, 255
REL   150, 151, 210
SSCI   125 *(cross-listed as ANTH 135)*
SP   151, 251

IV. Natural Sciences:

For hyphenated courses, each part equals one course, e.g., CHEM 100 is one course and CHEM 100L is one course.

AEC   277
AG   100
ASTR   110/110L
ATMO   101, 101L
BIOC   141, 142
BIOL   100, 101/101L, 103/103L, 123, 124/124L, 171/171L, 172/172L
BOT   101/101L, 130/130L
CHEM   100/100L, 105, 105C, 105E, 151/151L, 161/161L, 162/162L, 272/272L
FSHN   185
FT   221
GEO   101/101L
GG   101/101L, 103
HWST   281/281L
KLS   195
MICR   130, 140L
OCN   102, 180, 201, 201L
PHYL   141/141L, 142/142L
PHYS   100/100L, 103, 104, 105, 105P, 122 *(cross-listed as SCI 122)*, 151/151L, 152/152L, 170/170L,, 272/272L, 274
PSY   230
SCI   122 *(cross-listed as PHYS 122), SCI 295V*
ZOOL   101, 200/200L

V. Social Sciences:

AEC   237
ANTH   150, 200
BOT   105 *(cross-listed as HWST 105)*
CA   101
ECON   120, 130, 131
FT   200
GEO   102, 122
HDFS   100, 133, 141, 230, 244, 296
HSER   170
HWST   105 *(cross-listed as BOT 105)*
ICS   102
JOUR   150
POLS   110, 120, 130
PSY   100, 180, 212, 220, 225, 240, 250, 260, 270
SOC   100, 212, 214, 218, 231, 251
SP   170, 181
SW   200
WS   151, 230

III. LIBERAL ARTS DEGREE

Associate in Arts (AA) Degree Program

Honolulu Community College's Associate in Arts (AA) Degree is a two-year liberal arts degree designed to provide students with (1) skills and perspectives fundamental to undertaking higher education; and, (2) a broad exposure to different domains of academic knowledge.

Sixty (60) semester credits of courses numbered at the 100 and 200 levels are required for the degree. Requirements include a General Education core of 31 credits:

Graduation Proficiency:

- Written competence will be demonstrated by either completion of ENG 100 or higher or another approved course in the written Communication category.
- Computational competence will be demonstrated by completion of an approved course in the Quantitative Reasoning category.

12 credits of Foundation courses in three areas:

1. Written Communication;
2. Quantitative Reasoning; and
3. Global and Multicultural Perspectives; and,

19 credits of Diversification courses in three areas:

1. Arts, Humanities, and Literatures;
2. Natural Sciences; and,
3. Social Sciences.

Students are required to take Focus courses to enhance their knowledge and skills in:

1. Writing;
2. Understanding the cultural diversity in Hawai'i, the Pacific and Asia; and,
3. Analyzing and deliberating on ethical problems.

In addition, students are required to take 3 credits of Speech to improve their speaking and communication skills.

Transferring to Another College or University

Transferring with an AA degree to UH-Mānoa, UH-Hilo, or UH-West O'ahu: Students who earn an Associate in Arts (AA) degree from Honolulu CC are accepted as having completed the General Education requirements at UH- Mānoa, UH-Hilo, and UH-West O'ahu (UH Executive Policy E5.209, effective Fall 1994).

All courses taken for an AA degree are transferable within the UH System. However, some programs and majors may require additional coursework beyond those required for the AA degree. For example, some programs require competency in a second language in addition to English.

Students should consult with a Liberal Arts Academic Counselor, for example, Pre-Business or Pre-Education, for assistance in planning which courses will fulfill graduation requirements for the transfer institution's Bachelor's degree program. Counselors can assist students in selecting a major with courses that have already been taken that are transferable.

Students should be aware of application deadlines for schools they plan to transfer to. For UH-Mānoa, priority deadlines are February 1 for the Fall semester and September 1 for the Spring semester; final deadlines are May 1 for the Fall semester and October 1 for the Spring semester. International applicants must meet the priority deadlines. Some programs at UH-Mānoa have earlier deadlines.

Transferring to UH-Mānoa and UH-Hilo Without an AA Degree: Students may transfer to UH-Mānoa or UH-Hilo before receiving an AA Degree, as long as they have completed 24 transferable credits (numbered 100 and above) by the time of application with a grade-point average (GPA) of 2.0 (residents) or 2.5 (non-residents) for all transferable credits from all colleges attended. NOTE: Some programs at UH Mānoa or UH Hilo may have additional admission requirements or may require a GPA higher than 2.0 or 2.5.

While the Honolulu CC GPA is not used in calculating cumulative GPA at four-year campuses, it is considered for admissions purposes. "D" grades from the UH System are accepted for general admissions to UH Mānoa; however, they may not be accepted as graduation requirements in some programs.

LIBERAL ARTS

Students who do not have 24 transferable credits are subject to the same admission requirements as entering freshmen at UH-Mānoa and UH-Hilo, such as satisfactory high school transcripts and official scores of the Scholastic Aptitude Test (SAT) or the American College Test (ACT).

Transferring to Other Institutions: Students may transfer courses from Honolulu CC to colleges and universities outside the UH System in Hawai'i and on the Mainland. The institution to which the student transfers determines the courses that will transfer. In Hawai'i, Honolulu CC has articulation agreements with Hawai'i Pacific University and Chaminade University.

For more detailed information on how to apply and transfer to other colleges or universities, contact the college or university directly or see a Honolulu CC Liberal Arts Counselor for assistance. Application deadlines for individual schools vary.

Honolulu Community College AA Degree Requirements:

General Requirements for the AA Degree:

1. Minimum required credits: 60

2. To be eligible for the AA, students must maintain a cumulative GPA of 2.0 ("C") or higher. (The AA GPA is based on all courses numbered 100 or higher.) See additional academic requirements in *PROGRAM DESCRIPTIONS*.

3. All courses must be numbered 100 or above.

4. Two courses taken as Writing Intensive (W), and passed with a grade of "C" or higher. Students are encouraged to take a third Writing Intensive course, preferably in a different subject area, while at Honolulu CC. ENG 100 with a grade of "C" or higher is a prerequisite for Writing Intensive courses.

5. At least one course in the following two Focus areas: (1) Hawaiian, Asian, and Pacific Issues; (2) Ethical Issues.

6. At least one course must be taken in Speech.

7. To graduate with an AA degree from a University of Hawai'i Community College, a student must have earned a minimum of 12 credits of program courses in the degree/major from that college. Exceptions to the policy, to reduce the number of required credits, may be made on a case-by-case basis by the Vice Chancellor for Academic Affairs, or designee, in consultation with the appropriate campus personnel, at the degree-granting college.

Cost of Textbooks/Supplies:

The cost for books is estimated to be approximately $200-$250 per semester for full-time Liberal Arts majors.

Course Requirements for the AA Degree:

Liberal Arts students are strongly encouraged to complete the Foundation Requirements of ENG 100 and Quantitative Reasoning early in their academic program. It is also important for students to stay "on track" with course selections appropriate for the major they plan to enter following their AA degree at Honolulu CC. Students should check with a Liberal Arts Counselor to be sure they are taking courses for the intended transfer program.

    Jean Maslowski   845-9278   maslowsk@hawaii.edu

    Nicole Mitani   845-9137   niwasaki@hawaii.edu

Note: Enrollment in most transfer level courses requires placement in ENG 100 + 100S or ESL 23.

Note: Electives are any courses numbered 100 or higher and make up the balance of credits needed to fulfill the 60 credit total required for the Associate in Arts degree. Students will save time and effort by selecting electives that satisfy program prerequisites for the intended Bachelor's degree. Students may see a Counselor for assistance in selecting Elective credits appropriate for their major.

Note: Not all classes are offered every semester or every year. Students should check Class Availability online and/or speak with a Counselor when selecting courses.

1. **FOUNDATIONS REQUIREMENT FOR THE AA DEGREE: 12 CREDITS**

   Foundation courses include courses in Written Communication, Quantitative Reasoning, and Global-Multicultural Perspectives. Because these courses are intended to give students skills and perspectives that are fundamental to undertaking higher education, students are encouraged to take their Written Communication, Quantitative Reasoning, and Global-Multicultural Perspectives courses in their first year. Foundation courses approved to date are listed below.

   Note: Courses taken to fulfill the Foundations Requirement may not be used to fulfill requirements in other categories (i.e., Diversification or Focus Requirements).

   • **Written Communication (FW) Requirement: 3 Credits.**
     Courses designated as FW introduce students to the rhetorical, conceptual, and stylistic demands of writing at the college level. The courses provides instruction in composing processes, search strategies, and composing from sources. It also provides students with experience in the library and on the Internet as well as enhancing skills in accessing and using various types of primary and secondary materials.

     ENG 100 or ENG 100 + 100S or ENG 100 + 100T

   • **Quantitative Reasoning (FQ) Requirement: 3 Credits.**
     The primary goal of FQ courses is to develop mathematical reasoning skills at the college level. Students apply mathematical concepts to the interpretation and analysis of quantifiable information in order to solve a wide range of problems arising in pure and applied research in specific disciplines, professional settings, and /or daily life.

     Students placing into MATH 100 or higher are required to complete one of the following approved courses in the Quantitative Reasoning category:

     MATH 100, 103, 115, 135, 140, 203, 241, PHIL 111

     Recommended Preparation: Math prerequisites should be completed within the last two (2) years.

   • **Global & Multicultural Perspectives (FG) Requirement: 2 Courses, 6 Credits, from two groups.**
     Courses designated as FG provide thematic treatments of global processes and cross-cultural interactions from a variety of perspectives. Students gain a sense of human development from prehistory to modern times through consideration of narratives and artifacts from diverse cultures. At least one component of each of the two courses covers the indigenous cultures of Hawai'i, the Pacific, and Asia.

Group FGA:	ANTH 151, HIST 151
Group FGB:	AMST 150, ANTH 152, GEO 102, HAW 100, HIST 152
Group FGC:	MUS 107, REL 150

2. **DIVERSIFICATION REQUIREMENT FOR THE AA DEGREE: 19 CREDITS.**

   The diversification requirement is intended to assure that every student has a broad exposure to different domains of academic knowledge while, at the same time, allowing flexibility for students with different goals and interests. Diversification courses approved to date are listed below.

   Note: Diversification courses must come from different departments than the courses students used to satisfy the Foundations Global & Multicultural Perspectives requirement.

   a. **Arts (DA), Humanities (DH), & Literatures (DL) Requirement: 6 Credits, from two different groups.**

      Group 1: The Arts (DA)

Mainly Theory:		Mainly Practice:	
ART	101	ART	107D, 111, 112, 113, 123, 196, 213
MUS	106	HWST	135
		JOUR	207
		MUS	121D, 121Z, 122D, 122Z, 253
		SP	151, 251

      (Any combination of one-credit courses that totals three-credit hours will be considered the equivalent of a one-semester course.)

Group 2: Humanities (DH)

AMST	201, 202
ANTH	135 *(cross-listed as SSCI 125)*
ASAN	100, 201, 202, 241 *(cross-listed as HIST 241)*, 242 *(cross-listed as HIST 242)*, 296C
HIST	231, 232, 241 *(cross-listed as ASAN 241)*, 242 *(cross-listed as ASAN 242)*, 246, 250, 281, 282, 288, 296E, 296M
HWST	107, 207, 282, 285
PHIL	100, 101, 102, 109, 110, 120, 255
REL	151, 210
SSCI	125 *(cross-listed as ANTH 135)*

Group 3: Literature and Language (DL)

EALL	271 *(cross-listed as ENG 271)*, 272 *(cross-listed as ENG 272)*
ENG	250, 251, 252, 253, 254, 255, 256, 257B, 257C, 257E, 257F, 257G, ENG 257H, 257K, 257M, 257N, 257O, 257P, 257S, 257X, 257Y, *257Z*, 271 *(cross-listed as EALL 271)*, 272 *(cross-listed as EALL 272)*
HAW	261
HWST	270
LING	102

b. **Natural Sciences Requirement: 7 Credits, one Biological Science (DB), one Physical Science (DP), and one Laboratory (DY).**

Group 1: Biological Sciences (DB)

AG	100
BIOL	100, 101/101L, 103/103L, 123, 124/124L, 171/171L, 172/172L
BOT	101/101L, 130/130L
FSHN	185
MICR	130, 140L
OCN	102
PHYL	141/141L, 142/142L
PSY	230
SCI	101, 295V (DY)
ZOOL	101 *(lab incl.)*, 200/200L

Group 2: Physical Sciences (DP)

ASTR	110/110L
ATMO	101/101L
BIOC	141, 142
CHEM	100/100L, 105 *(DY lab incl.)*, 105C, 105E *(DY lab incl.)*, 151/151L, 161/161L, 162/162L, 272/272L
GEO	101/101L
GG	101/101L, 103
HWST	281/281L
OCN	180, 201/201L
PHYS	100/100L, 105 *(DY lab incl.)*, 122 *(DY lab incl., cross-listed as SCI 122)*, 151/151L, 152/152L, 170/170L, 272/272L, 274
SCI	122 *(DY lab incl., cross-listed as PHYS 122)*, 295V (DY)

c. **Social Sciences (DS) Requirement: 6 Credits, 3 credits each from 2 different disciplines.**

ANTH	150, 200
BOT	105 *(cross-listed as HWST 105)*
ECON	120, 130, 131
GEO	122
HDFS	230
HWST	105 *(cross-listed as BOT 105)*
JOUR	150
POLS	110, 120, 130
PSY	100, 180, 212, 220, 225, 240, 250, 260, 270
SOC	100, 212, 214, 218, 231, 251
SP	170, 181
WS	151, 230

3. Focus Requirements For the AA Degree:

The three Focus Requirements for Honolulu CC's AA degree identify three skills and discourses essential to General Education: writing; Hawaiian, Asian, and Pacific issues; and, ethical analysis and deliberation.

Courses fulfilling focus requirements may come from across the curriculum. Any course in the AA degree curriculum may be given these designations, except for Foundation courses (FW, FQ, and FG courses). Specific course sections are approved for Focus Designations by a faculty committee of the General Education Board and are identified on the Honolulu CC website (*www.honolulu.hawaii. edu)* Class Availability link by WI-, H-, and HCC-E- before the course titles. (i.e. ENG 250 WI-American Literature)

For a list of Focus courses offered each semester, see the Honolulu CC Registration Guide (*www. honolulu.hawaii.edu/registration*).

- **Writing Intensive (WI): 2 Courses Required.** Courses designated WI- before the course title are designed to provide students with opportunities to develop writing skills in a variety of subject areas. Since Writing Intensive courses provide a range of writing experiences, students are encouraged to select courses in different subject areas. This allows students to meet this Focus requirement while also fulfilling Diversification requirements. Students planning to transfer to UH-Mānoa (which requires two of five Writing Intensive courses at the 300 or 400 level) are encouraged to take a third Writing Intensive course while at Honolulu CC. Courses designated WI- fulfill the WI-focus requirement at any UH campus.

- **Hawaiian, Asian, and Pacific Issues (H): 1 Course Required.** Courses designated H- before the course title are designed to increase a student's understanding of Hawaiian, Asian, and Pacific issues and to foster multicultural understanding and respect. Courses designated H- fulfill the H-focus requirement at any UH campus.

- **Contemporary Ethical Issues (E): 1 Course Required.** Courses designated HCC-E- before the course title are designed to give students tools for the development of responsible deliberation and ethical judgment. Courses designated HCC-E- fulfill the E-focus requirement at Honolulu CC, but not at UH Mānoa. UH-Mānoa requires a 300-level E-focus course for graduation.

4. Speech Requirements For the AA Degree: 3 Credits

The Speech requirement is intended to provide for the development of clear and effective oral communication skills. Speech courses approved to date are listed below.

SP 151, 251

Liberal Arts: Degree Programs

Hawaiian Studies

The Hawaiian Studies Associate in Arts will provide pathways, support, and recognition for students who are pursuing an AA at Honolulu Community College which is a two-year liberal arts degree that provides students with, 1) skills and perspectives fundamental to undertaking higher education; and, 2) a broad exposure to different domains of academic knowledge. This program will also ensure that students will enter a baccalaureate Hawaiian Studies program with the skills and knowledge required to promote success in the Hawaiian Studies major. The AA in Hawaiian Studies has comparable foundation, and diversification requirements to the Honolulu CC AA in Liberal Arts. It includes an expanded set of graduation requirements that, 1) provides students with a foundational introduction to the study of Hawaiian knowledge, cultural understanding, and values through exposure to origins, language, environment, craft, history, politics and culture; and, 2) supports the development and training of students toward the use of Hawaiian based knowledge and methods in the workforce and other areas of inquiry such as science, humanities, the arts, social sciences, and other professional endeavors.

For more information on requirements, see Hawaiian Studies in the *LIBERAL ARTS DEPARTMENTS* section.

Natural Sciences

The Natural Science Associate of Science is a two-year liberal arts degree program that will prepare students to transfer to baccalaureate STEM (Science, Technology, Engineering and Math) programs with recognized and supported pathways. With concentrations in Biological Sciences, Physical Sciences, and Engineering students have the opportunity to apply fundamental concepts and techniques in their chosen field of study, such as biology, chemistry, geology, engineering, etc. Upon successful completion of the program, students are able to analyze data using the most current technology, apply mathematical, physical and chemical concepts and techniques to scientific issues, and communicate scientific ideas and principles.

For more information on requirements, see Natural Sciences in the *LIBERAL ARTS DEPARTMENTS* section.
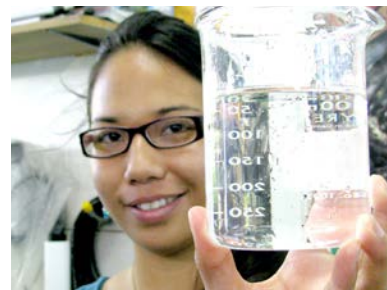
Liberal Arts: Academic Subject Certificates (ASC)

Asian Studies

Honolulu Community College offers students the opportunity to study the language, culture, history, politics, economics, and religion of Asia in an interdisciplinary program leading to an Academic Subject Certificate in Asian Studies. This academic credential is designed to provide students with an extension of the AA degree and when included on student transcripts, can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Asia.

To receive this credential, the student must complete 30 credits of Asian Studies-related coursework. In addition, a student must show competency in an Asian language equivalent to or

better than having finished the first year of a college language course (i.e. JPN 102). A student can show competency through a transcript showing the student has finished the first year of an Asian Language course with a "C" or higher, or a certificate or letter showing the results of a placement test at a recognized university or college language testing facility. Native speakers of an Asian language can show competency by certifying their native speaker status. A grade of "C" or higher must be earned for all courses required in the certificate.

For more information on requirements, see Asian Studies in the *LIBERAL ARTS DEPARTMENTS* section.

Communication

Honolulu Community College offers its students the opportunity to study Communication in a program leading to an Academic Subject Certificate in Communication. This academic credential is included on student transcripts and can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Communication.

To receive this credential, the student must complete courses in Speech. A grade of "C" or higher must be earned for all courses required in the certificate.

For more information on requirements, see Communication in the *LIBERAL ARTS DEPARTMENTS* section.

Psychology

Honolulu Community College offers its students the opportunity to study Psychology in a program leading to an Academic Subject Certificate in Psychology. This academic credential is included on student transcripts and can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Psychology.

To receive this credential, the student must complete Survey of Psychology, Survey of Research Methods, Statistical Techniques, and one course each from three of four areas: Experimental, Psychobiology, Developmental, and Social or Personality. In addition, students must complete one elective course in Psychology. A grade of "C" or higher must be earned for all courses required in the certificate.

For more information on requirements, see Psychology in the *LIBERAL ARTS DEPARTMENTS* section.

Sustainability

Honolulu Community College offers its students the opportunity to study Sustainability in a program leading to an Academic Subject Certificate in Sustainability. This certificate provides students with an interdisciplinary understanding of core concepts in environmental and sustainability studies. Achieving this certificate connects students with an interest in sustainability to relevant courses, research, community-based applications, transfer opportunities and emerging career fields. This certificate will prepare students to pursue UH system certificate and 4-year degree programs related to sustainability.

To receive this credential, the student must complete a minimum of 13 credits and a maximum of 15 credits, depending if students take lab classes. All courses must be Sustainability Focused (SF) to apply to certificate. Honolulu Community College currently offers a sufficient number and range of Sustainability Focused courses to provide an academically rigorous certificate. New courses are certified each academic year.

For more information on requirements, see Sustainability in the LIBERAL ARTS DEPARTMENTS section.

Liberal Arts: Exploratory Majors

Exploratory Majors are designed to use the students' interests as a starting point and to help provide structure and narrow choices for student success. At UHCCs, Exploratory Majors are designed primarily for Liberal Arts students who are unclear as to what they want to do, but have some idea of the general area they want to study. Exploratory Majors will have a defined set of courses that are applicable to the students' terminal or transfer degrees. Within a well-defined set timeframe, students are counseled into a specific major or concentration.

Business

Semester 1	*Semester 2*
ENG 100 or ENG 100 (with 100S or 100T)	ACC 201
ECON 130 or 131	ENG 209
MATH 103	PSY100 or SOC 100
SP 151 or 251	ICS 101
Elective	Elective

Health Sciences

Semester 1	*Semester 2*
ENG 100 or ENG 100 (with 100S or 100T)	CHEM 100
MATH 100	CHEM 100L
PHYL 141	PHYL 142
PHYL 141L	PHYL 142L
MICR 130	PSY100 or SOC 100

Social Sciences

Semester 1	*Semester 2*
ENG 100 or ENG 100 (with 100S or 100T)	SOC 100
MATH 100	ANTH 151
POLS 130	GEO 102
PSY 100	Elective
Elective	Elective

The Exploratory Major is not a degree that students can graduate with. At the end of completing 30 credits (100 level or higher), students are required to meet with a Liberal Arts counselor to discuss selecting a major.

1st Annual HonCC Research STEM Symposium
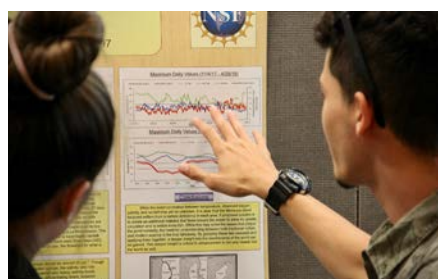
STAR AWARDS 2019

PROGRAM DESCRIPTIONS

CAREER & TECHNICAL EDUCATION

ADMINISTRATION OF JUSTICE

AERONAUTICS MAINTENANCE TECHNOLOGY

APPLIED TRADES

ARCHITECTURAL, ENGINEERING & CAD TECHNOLOGIES

AUTO BODY REPAIR & PAINTING

AUTOMOTIVE TECHNOLOGY

CARPENTRY TECHNOLOGY

COMMUNICATION ARTS

COMPUTING, SECURITY, & NETWORKING TECHNOLOGY

COSMETOLOGY

DIESEL MECHANICS TECHNOLOGY

EARLY CHILDHOOD EDUCATION

ELECTRICAL INSTALLATION & MAINTENANCE TECHNOLOGY

FASHION TECHNOLOGY

FIRE & ENVIRONMENTAL EMERGENCY RESPONSE

HUMAN SERVICES

MUSIC & ENTERTAINMENT LEARNING EXPERIENCE

OCCUPATIONAL & ENVIRONMENTAL SAFETY MANAGEMENT

REFRIGERATION & AIR CONDITIONING TECHNOLOGY

SHEET METAL & PLASTICS TECHNOLOGY

SMALL VESSEL FABRICATION & REPAIR

WELDING TECHNOLOGY

LIBERAL ARTS

LIBERAL ARTS DEPARTMENTS

    HUMANITIES

    INFORMATION & COMPUTER SCIENCE

    KŪLANA HAWAIʻI (HAWAIIAN PROGRAMS)

    LANGUAGE ARTS

    MATHEMATICS

    NATURAL SCIENCES

    SOCIAL SCIENCES

LIBERAL ARTS DEGREE PROGRAMS

    HAWAIIAN STUDIES (HWST) AA

    NATURAL SCIENCE (NS) AS

LIBERAL ARTS ACADEMIC SUBJECT CERTIFICATES

    ASIAN STUDIES (ASAN) ASC

    COMMUNICATION (COM) ASC

    PSYCHOLOGY (PSY) ASC

    SUSTAINABILITY (SUSI) ASC

CAREER & TECHNICAL EDUCATION PROGRAMS

CTE Statement of Philosophy

Honolulu Community College believes in unlimited human potential. The General Education component in all programs is a part of the process that supports individuals by encouraging development in thought, communication, ethical deliberation,creativity, feeling, empathy, adaptability, and awareness by providing foundation skills necessary for successful living in a ever-changing, global environment. In addition, General Education is a key to solving the problems of surviving and thriving for individuals, communities and nations because it provides a common basis of understanding that fosters collaboration and helps create a human community. The Honolulu Community College General Education curriculum has comprehensive learning outcomes and ensures that students are able to meet those outcomes. These outcomes include the development of:

a) Understanding of the basic content and methodology of major areas of knowledge, including humanities and fine arts, natural sciences, and social sciences.

b) Skills necessary to be a productive individual and lifelong learner, which include oral and written communication, information competency, computer literacy, scientific and quantitative reasoning, critical analysis/logical thinking, and the acquisition of knowledge through a variety of means.

c) Qualities necessary to be an ethical human being and effective citizen. These include an appreciation of ethical principles, civility and interpersonal skills, respect for cultural diversity, historical and aesthetic sensitivity, and the willingness to assume civic, political and social responsibilities locally, nationally, and globally.

AJ - ADMINISTRATION OF JUSTICE

LIAISON: William Corbett, Jr. (847-9870, wcorbett@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/aj*

PROGRAM MISSION: The Administration of Justice program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the industry and the needs of the individual. An open-exit option allows the students to identify their career objectives and participate in program exploration.

PROGRAM DESCRIPTION: This program is designed to prepare the student academically for entry into the Administration of Justice career field; i.e., law enforcement, courts, corrections or private security. Courses are also provided to meet the training needs of the in-service professional.

A student at Honolulu Community College who completes twelve (12) units of Administration of Justice work may receive up to twelve (12) additional units for completing Basic Recruit Training in law enforcement or corrections, as required by governmental agencies:

- *Basic Recruit Training (e.g., Corrections)* graduating with a minimum of 250 hours training – 6 credits.
- *Basic Recruit Training (e.g., DPS - Law Enforcement)* graduating with a minimum of 500 hours training – 9 credits.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the AJ program, students will be able to:

- Use critical observation skills.
- Communicate with a diverse population in a culturally sensitive manner.
- Assess and respond appropriately to potential conflict situations.
- Write clear and accurate reports.
- Maintain a drug free lifestyle.
- Work independently and interdependently to accomplish shared professional outcomes.
- Develop Administration of Justice career plans.
- Practice within the legal/ethical parameters of the Justice profession.

AJ   ADMINISTRATION OF JUSTICE

PROGRAM REQUIREMENTS:

Program Prerequisite: *Placement in ENG 100*

First Semester	AAS Credits
AJ 101 - Introduction to Administration of Justice	*3*
Administration of Justice Elective	*6*
General Education Requirement *	*3*
ICS 100 - Computing Literacy and Applications	*3*
	15

Second Semester	AAS Credits
AJ 138 - Criminal Justice System Reports and Communications	*3*
AJ 200 - Principles of Hawai'i Justice System	*3*
Administration of Justice Elective	*3*
General Education Requirement *	*3*
Elective **	*3*
	15

Third Semester	AAS Credits
AJ 221 - Introduction to Criminal Law	*3*
Administration of Justice Electives	*3*
General Education Requirement *	*3*
Electives **	*6*
	15

Fourth Semester	AAS Credits
AJ 224 - Rules of Evidence	*3*
Administration of Justice Elective	*3*
General Education Requirements *	*6*
Elective **	*3*
	15

Minimum Credits Required: **60**

* A minimum of 15 General Education credits are required. General Education requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES.*

** 12 elective credits must be selected from AJ or General Education courses or courses numbered 100 and above and 3 elective credits may be selected from any courses that are not excluded from the AAS degree. Up to four credits of AJ 193 may be applied to AJ program requirements. (See *DEGREES AND CERTIFICATES* section.)

The following elective is highly recommended for Administration of Justice students: SP 151, Personal and Public Speech.

COST OF TEXTBOOKS/SUPPLIES: The cost for textbooks is approximately $400 per semester.

ADVISORY COMMITTEE:
Michael J. Hoffman, State of Hawaii Department of Public Safety
Karl Kim, National Disaster Preparedness Training Center
Cary Okimoto, Honolulu Police Department
Max Otani, State of Hawaii Department of Public Safety

AERO - AERONAUTICS MAINTENANCE TECHNOLOGY

Liaison: Evelyn Green (831-6839, evgreene@hawaii.edu)

Website: *www.honolulu.hawaii.edu/aero*

Address: 140 Iako Place (Honolulu International Airport),
Honolulu, HI 96819/ ph. 831-6835

Faculty: Evelyn Greene, Brian Quinto, Mike Willett

Program Mission: The Aeronautics Maintenance and Technology program's mission is to:

- Provide students with the opportunity to gain the documented knowledge and experience to qualify for certification as aircraft mechanics as required by the Code of Federal Regulations Title 14 Part 65 and in the manner prescribed by CFR Title 14 Part 147, as approved by the Honolulu Flight Standards District Office.

- Enable students to attain their personal educational goals by becoming highly qualified aviation maintenance technicians, meeting the needs of the aviation industry and thereby promoting safety in aviation.

- Provide specialized training as necessary for prospective aircraft technicians and industry.

Program Description: The Aeronautics Maintenance Department is an approved aviation maintenance technician training facility operating under Federal Aviation Administration Air Agency Certificate No. DI9T087R with Airframe, Powerplant, and combined Airframe and Powerplant ratings. It is the only such school in the Pacific Basin. Students enrolling in the Aeronautics program have three choices as outlined below.

- **Certificate of Achievement in Aviation Maintenance Technician Certification Program:** This program consists of the General Maintenance curriculum of 500 hours, the Airframe Maintenance curriculum of 750 hours, and the Powerplant Maintenance curriculum of 750 hours which meets the FAR Part 147 minimum required total of 1900 hours of theory and laboratory instruction in four (4) semesters and an additional semester of General Education courses. A Certificate of Achievement will be awarded to students completing the Aviation Maintenance Technician Certification program.

- **Associate in Science Degree in Aeronautics Maintenance Technology** is awarded to students who complete the additional General Education requirements as well as the General, Airframe, and Powerplant Maintenance curricula as outlined under the Certificate program.

- **Transfer Option to Prepare for the Completion of the Aviation Systems Management Degree** in a 4-year program. Contact Brian Isaacson for details.

Students will not be allowed to enter the Airframe or Powerplant courses without first completing the requirements of the General Maintenance course. Either or both the Airframe and/or Powerplant courses should be completed in order.

Classes may be offered as both a day program and a night program. Students enrolling in either program will be committed to that program and will not be allowed to switch to the other without prior approval from the Aeronautics Maintenance Technology Department. Check the Honolulu CC website (*www. honolulu.hawaii.edu)* Class Availability link for day or night program availability.

Successful completion of each FAR Part 147 approved course requires at least a "C" grade in each unit, with all absences made up or the course must be repeated. Completion of the college requirements for the Certificate of Achievement, Associate in Science Aeronautics Maintenance Technology Degree, or the transfer requirements of the Aviation Systems Management Degree does not necessarily qualify a student to be eligible to take the FAA examinations for certification. No more than three days may be missed in each FAR Part 147 approved course or the course must be repeated.

As part of the preparation for working in the industry, during the last airframe class, students will be expected to taxi an aircraft and communicate with ground control under the direction of a commercial flight school flight instructor at a flight school of their choice for an approximate cost of $80.

AERO AERONAUTICS MAINTENANCE TECHNOLOGY

Health and physical requirements vary with employers in the aviation maintenance industry. Students with special needs are encouraged to discuss their specific career goals with faculty during advising. Prospective students with military aviation maintenance experience should refer to Federal Aviation Regulation 65.77 and the Flight Standards District Office for possible certification alternatives.

Upon successful completion of the General and either the Airframe or the Powerplant curricula, students are eligible to take the FAA written examination for the appropriate Airframe or Powerplant rating without waiting to complete the program. Upon passing the written exam(s), the student is eligible to take the oral and practical examinations for Federal certification as an Aviation Maintenance Technician (Mechanic: Airframe, Powerplant, or A&P as appropriate).

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the AERO program, students will be able to:

- Satisfactorily pass the Federal Aviation Administration (FAA) knowledge, oral, practical and written examinations in General, Airframe, and Powerplant subjects.
- Obtain FAA general mechanic, airframe and powerplant certifications.
- Demonstrate a working knowledge and mechanical ability to inspect, maintain, service and repair aircraft electrical, engine (piston and turbine), airframe structure, flight control, hydraulic, pneumatic, fuel, navigation and instrument systems and other aircraft components specified by Federal Aviation Regulation Part 147.
- Identify, install, inspect, fabricate and repair aircraft sheet metal and synthetic material structures.
- Maintain and repair any part in any aircraft system of any rotorcraft, light aircraft, air carrier aircraft, glider, or balloon within the regulatory limits imposed by the FAA certification, without error, to ensure the safety of the flying public.
- Display proper behavior reflecting satisfactory work habits and ethics to fulfill program requirements and confidence to prepare for employment.

PROGRAM REQUIREMENTS:

Program Prerequisites: *Placement in ENG 100 , "C" or higher in MATH 25, OR Placement in MATH 103 ***

Recommended Preparation before enrolling in the AERO 130-137 series: *ICS 100*

First Semester	CA Credits	AS Credits
AERO 130 - General Aircraft Maintenance I	7	7
AERO 131 - Advanced Gen. Aircraft Maintenance II	7	7
	14	14

Second Semester	CA Credits	AS Credits
AERO 132 - Powerplant Maintenance I	7	7
AERO 133 - Airframe Maintenance I	7	7
	14	14

Third Semester	CA Credits	AS Credits
AERO 134 - Powerplant Maintenance II	7	7
AERO 135 - Airframe Maintenance II	7	7
	14	14

Fourth Semester	CA Credits	AS Credits
AERO 136 - Powerplant Maintenance III	7	7
AERO 137 - Airframe Maintenance III	7	7
	14	14

Fifth Semester	CA Credits	AS Credits
ENG 100 - Composition I		*3*
SP 151 - Personal and Public Speech		*3*
MATH 103, 135, 140, 241, 242, 243, or 244 (See COURSE DESCRIPTIONS)		*3-4*
PHYS 100-100L, 151–151L, 170-170L, or 272-272L (See COURSE DESCRIPTIONS)		*4-5*
General Education Requirement – Social Science **		*3*
		16-18
Minimum Credits Required:	**56**	**72**

*   If the MATH program prerequisite is met by Placement Test scores, students will need to complete MATH 103 or appropriate substitute in order to meet the requirements for the AS degree.

**   General Education Requirements for the AS program are listed under *DEGREES AND CERTIFICATES*.

Note: Students must meet the minimum proficiency standards in Communication & Computation established by Honolulu CC to qualify for the Certificate of Achievement.

The following 4-year degree programs accept AERO 130–137 for advanced standing credit towards a BS in Aeronautics Maintenance Management or other related degrees: University of Central Missouri, San Jose State University, Embry-Riddle Aeronautical University, University of North Dakota, Middle Tennessee State University, Parks College of St. Louis University, Purdue University, Southern Illinois University at Carbondale, Central Washington University, Kent State University, Lewis University, Metropolitan State College of Denver, and Utah State University. A complete listing can be obtained through the University Aviation Association or the FAA.

COST OF TEXTBOOKS/SUPPLIES: The cost for textbooks, uniforms, and a required tool kit is approximately $2500.

ADVISORY COMMITTEE:
Thomas Anusewicz, Oke'e Aviation
Bryan Asari, Manager Support Shop, Hawaiian Airlines
Hank Bruckner, General Aviation Officer, State of HI, DOT
Frank Fenlon, Jr. Hawaiian Airlines, Maintenance Programs Engr.
George Hanzawa, George's Aviation Services
Ron Lenhart, Aloha Air Cargo
Rodney Luckenotte, Manager Base Maintenance, Hawaiian Airlines
Porter Mackenzie, Station Mgr., Go! Airlines
Scott Mayural, Life Flight Hawai'i
Dennis McClain, Manager, Maintenance and Engineering, Hawaiian Airlines
Wendell R. Nelson, Aviation Consultant
Pat Rosa, Aloha Air Cargo
Lorrin Sardinha, Sr. Director of Maintenance, Hawaiian Airlines
Richard Schumann, President, Makani Kai Helicopters
Raja Segaran, Trans Air/Interisland Airways
Edgar K. Silva, Manager, Aircraft Maintenance
George Tanoue, Island Air
Beau Tatsumura, Aloha Air Cargo
Lia Young, President, Goldwings Supply, Inc.

APTR - APPLIED TRADES

LIAISON: James Niino (845-9245, jniino@hawaii.edu) Except PHNSY
Guy Shibayama (845-9245, guyts@hawaii.edu) Except PHNSY
Jeannie Shaw (845-9492, 295-6893 jeanshaw@hawaii.edu) PHNSY
Diane Caulfield (845-9413, dcaulfie@hawaii.edu) NAVFAC

PROGRAM MISSION: The Applied Trades (APTR) program's mission is to provide students who are in state or federally approved apprenticeship programs an opportunity to earn a Certificate of Achievement and/or Associate in Applied Science (AAS) degree.

PROGRAM DESCRIPTION: Any person who has completed or is enrolled in a State of Hawaiʻi or a Federally approved Apprenticeship Program or an approved Pearl Harbor Naval Shipyard (PHNSY) Cooperative Education Training sequence is eligible for admission to the Honolulu Community College Certificate of Achievement and Associate in Applied Science degrees programs in Applied Trades.

PEARL HARBOR NAVAL SHIPYARD COOPERATIVE EDUCATION TRAINING:
The PHNSY-IMF Apprenticeship Training Program is administered through a contract between Honolulu Community College and the Pearl Harbor Naval Shipyard – Intermediate Maintenance Facility (PHNSY IMF). These guidelines are very specific and must be adhered to in order for the students to be eligible for conversion to career conditional appointments (permanent positions).

The PHNSY Apprenticeship Program incorporates a Learning Community model in which the faculty and Trade Theory instructors collaborate to achieve the Program Learning Outcomes (PLOs) listed below. Cooperative Education enables students to apply classroom/lab experiences to actual work performance.

WEBSITE: www.honolulu.hawaii.edu/aptr

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the APTR Apprentice Training Program, students will be able to:

- Demonstrate communication skills (read critically, write effectively, speak with clarity, and listen actively).
- Use Mathematics (algebra, geometry and trigonometry) to solve work-related problems.
- Demonstrate positive work habits and ethical behavior.
- Demonstrate knowledge of Physics (fluids, mechanical, electrical and thermal).
- Demonstrate drafting and plan reading skills.
- Analyze and evaluate information: Identify factors, analyze implications, and solve problems.
- Use technology effectively (word processing, spreadsheets, software, and equipment).
- Apply knowledge and skills gained in the classroom to perform work duties on the waterfront.

The PHNSY Cooperative Education training sequence includes a minimum of 780 hours of approved PHNSY Trade Theory and General Experience Training (26 credits), Cooperative Education - WORK 194V (10 credits), a minimum of 750 hours of work experience, and 24 credits of general education and technical support courses. PHNSY Trade Theory and General Experience Training are converted to credits upon completion of certification (30 training hours = 1 credit). This curriculum qualifies participants for conversion to career-conditional appointment (full-time permanent employment) and also satisfies the requirements of the Honolulu Community College Associate in Applied Science Degree in Applied Trades.

APPLIED TRADES

APTR

PROGRAM REQUIREMENTS: PEARL HARBOR NAVAL SHIPYARD (PHNSY)

Program Prerequisites: *Placement in ENG 100; Placement in Math 24/50*

Courses	AAS Credits
Apprenticeship Training (PHNSY Training Sequence)	*26*
ENG 100 - Composition I	*3*
SP 251 - Principles of Effective Public Speaking	*3*
IEDD 101 - Basic Drafting and Blueprint Reading	*3*
AMST 202 - American Experience: Culture and the Arts	*3*
MATH 50P - Technical Mathematics	*3*
MATH 150P - Technical College Mathematics	*3*
PHYS 105P - Physics for the Applied Trades	*3*
*General Education Requirement - Social Science	*3*
WORK 194 - Cooperative Education (Federal Work Cycle)	*10-12*
Minimum Credits Required	**60-62**

*   General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES.*

COST OF TEXTBOOKS/SUPPLIES FOR PHNSY APTR PROGRAM: General education texts average $25–$200 each. Supplies average $25-$180.

ADVISOR:
Jeannie Shaw - Education Coordinator Pearl Harbor Apprentice Program, Honolulu Community College

STATE OF HAWAI'I AND FEDERALLY APPROVED APPRENTICESHIP PROGRAMS (EXCEPT PHNSY):
Persons who have completed all the "work process hours" and "related instruction" necessary for journey worker status in their respective trades will receive up to 45 credits for this training. These credits will apply toward the "Major courses" requirements of the Honolulu Community College Associate in Applied Science degree and Certificate of Achievement in Applied Trades. Credits will be granted for apprenticeship hours as follows:

Five (5) credits will be awarded for each 144–160 hour segment of related classroom instruction.

Seven (7) credits will be awarded for each 2000 hour segment of work process.

A minimum of 15 general education credits which are distributed among specific groups of courses including Communications, Quantitative and Logical Reasoning, and three other course clusters are also required.

Persons completing apprenticeship programs of less than four years in duration will need to take additional recommended courses to meet the minimum 60 credit requirement for this degree.

WEBSITE: *www.honolulu.hawaii.edu/apprenticeship*

PROGRAM REQUIREMENTS: APPRENTICESHIP (EXCEPT PHNSY)

Courses	CA Credits	AAS Credits
1. Major Courses- Apprenticeship Training (Work Process and Related Instruction)	*24-45*	*24-45*
2. General Education *		
* a. Communications (3crs.)*		
* b. Quantitative or Logical Reasoning (3crs.)*		*15*
* c. Humanities or Fine Arts (3crs.)*		
* d. Natural Sciences (3crs.)*		
* e. Social Sciences (3crs.)*		
3. Additional Recommended Courses *		*0-21*
	24-45	*60*

*   Important: Please see advisor for lists of courses that fulfill these requirements.

ADVISORS: James Niino and Guy Shibayama - Apprenticeship Coordinators, Honolulu Community College

PROGRAM REQUIREMENTS: NAVAL SUPPLY CENTER

CERTIFICATE OF COMPETENCE: The Applied Trades Certificate of Competence was created at the request of the Department of the Navy Human Resources Service Center Pacific, to meet the employment needs in a variety of maintenance-related occupations. The Certificate is ONLY for students who have been hired through Naval Supply Center.

NAVAL SUPPLY CENTER PROGRAM REQUIREMENTS:

Program Prerequisites: *A minimum of 640 hours of supervised work experience*

Courses	CO Credits
OESM 101 - Introduction to Occupational Safety and Health	3
ICS 100 - Computing Literacy and Applications	3
APTR 193V - Cooperative Education	4
Minimum Credits Required	**10**

ADVISOR: Diane Caulfield - Cooperative Education Coordinator

AEC - ARCHITECTURAL, ENGINEERING AND CAD TECHNOLOGIES

LIAISON: Michael Jennings (845-9408, mjenning@hawaii.edu)
WEBSITE: *www.honolulu.hawaii.edu/aec*
FACULTY: Guy Fo, Michael Jennings, Norman Takeya

PROGRAM MISSION: The Architectural, Engineering and CAD Technologies program's mission is to:

- Provide students with state-of-the-art technical training in preparation for architectural, engineering, construction management, or related employment.
- Meet the needs of students with specialized interests and objectives who need or desire similar training.
- Provide students with the general education skills, attitudes, and values for effectively working with others, contributing to the AEC industry, and accepting responsibilities implied in support of a safe and sustainable natural and built environment.

PROGRAM DESCRIPTION: The Architectural, Engineering and CAD Technologies program is designed to prepare students for immediate employment as architectural or engineering drawing technicians, or construction management interns. It also prepares in-service professionals for employment upgrading. Some students also use the program to prepare for employment in building construction, interior design drawing, kitchen and bath design, solar energy planning, construction estimating, land surveying, and various other fields. If you are interested in using the program as a step on the way to a bachelor's degree in architecture or engineering, please see a Honolulu Academic Counselor.

Incoming students choose either an architectural technology track, or a construction management track. More than 70 percent of the courses are shared by the two tracks, either is appropriate for students with a principal interest in engineering technology, and both include two online courses. 3D printing, field shadowing, portfolio presentations, and other activities are also parts of the program.

The program leads to an Associate in Science degree, and there is a shorter Certificate of Achievement available for students with special non-degree objectives. Both degree and certificate students must earn a grade of "C" or higher in all required AEC, MATH & ENG courses.

Students are encouraged to have access to a "newer" desktop or laptop computer with a minimum 17-inch screen to complete assigned drawings and other projects outside of class. There is also a requirement of 40 hours of AEC-related school and community service apart from coursework prior to completion of the program, and new students are required to attend an AEC orientation session.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the AEC program, students will be able to:

- Draw objects of various orientations as may be prescribed, draw sections and elevations of objects, and interpret drawings identify the relationships of objects or object features to demonstrate visualization and graphic representation proficiency and knowledge.
- Identify or describe the typical characteristics and uses of common construction materials, products, and systems, assess their sustainability, document them in drawings, and make appropriate selections based on design project requirements.
- Demonstrate either proficiency in designing and creating the construction documents and a materials estimate for a residential or commercial building, or essential skills necessary for responsibly planning, scheduling, and managing a construction project.
- Demonstrate proficiency in the use of the latest 3D computer modeling software, applicable codes, and industry best practices to create, modify, reconcile, or parse architectural or engineering design and construction documents.
- Model habits and attitudes for success in professional employment, prepare and present a professional resume and portfolio, and demonstrate developed interviewing skills in preparation for employment.
- Demonstrate computation, communication, critical thinking, research, and problem-solving skills as well as a sensitivity and appreciation of diversity and community to perform effectively as a team member in a professional, competitive, and diverse work environment and as a responsible member of the community.

ARCHITECTURAL, ENGINEERING, AND CAD TECHNOLOGIES

AEC

RECOMMENDED PREPARATION:

- Recommended high school preparation: CAD Drafting, Geometry, English, Art, Basic Science, and Computer Literacy.

- High School CAD drafting alternative: Equivalent training/office experience

- ENG 100 is a prerequisite (not shown below) for AEC 211 and 213 and ENG 209 is a prerequisite (not shown below) for AEC 237 and 239. These English courses need to be satisfied before enrolling in these third semester AEC courses.

PROGRAM REQUIREMENTS: *Students may take the following courses in any order that respects course prerequisites and co-requisites.*

Program Prerequisites: *Placement in ENG 100*
Recommended Prep: *"C" or higher in a high school CAD drafting course or equivalent CAD training/experience."*

Suggested First Semester	CA Arch Tech Focus Credits	CA Const Mgmt Focus Credits	AS Arch Tech Focus Credits	AS Const Mgmt Focus Credits
AEC 101 - Construction Graphics and Conventions	3	3	3	3
AEC 110 - Basic AutoCAD®	4	4	4	4
AEC 118 - Construction Material	3	3	3	3
ENG 100 - Composition I	3	3	3	3
SP 251 - Principles of Effective Public Speaking (Gen Ed - Humanities*)	3	3	3	3
	16	16	16	16

Suggested Second Semester	CA Arch Tech Focus Credits	CA Const Mgmt Focus Credits	AS Arch Tech Focus Credits	AS Const Mgmt Focus Credits
AEC 160 - Construction Detailing	3	3	3	3
AEC 111 - Introduction to Professional Ethics	1	1	1	1
AEC 161 - Building Information Modeling Software	3	3	3	3
AEC 164 - Residential Planning and Design	3		3	
AEC 165 - Construction Administration		3		3
ENG 209 - Business and Managerial Writing	3	3	3	3
MATH 150 - Technical College Mathematics	3	3	3	3
	16	16	16	16

Suggested Third Semester	CA Arch Tech Focus Credits	CA Const Mgmt Focus Credits	AS Arch Tech Focus Credits	AS Const Mgmt Focus Credits
AEC 209 - Planning and Scheduling				4
AEC 210 - Residential Working Drawings			4	
AEC 211 - Construction Estimating and Bidding			3	3
AEC 213 - Construction Codes			3	3
AEC 217 - Structural Drawing			3	3
AEC 237 - Introduction to the Built Environment (Gen. Ed. – Social Sci.)			3	
AEC 239 - Field Shadow Experience			1	
AEC 163 - Construction Law				3
100-Level General Education Requirement – Social Science * (Recommended: AEC 236 or 237)				3
			17	19

Suggested Fourth Semester	CA Arch Tech Focus Credits	CA Const Mgmt Focus Credits	AS Arch Tech Focus Credits	AS Const Mgmt Focus Credits
AEC 260 - Commercial Working Drawings			4	4
AEC 261 - Building Services			3	3
AEC 263 - Virtual Construction or AEC 265 Construction Inspection				3
AEC 264 - Advanced Modeling and Presentation			3	
AEC 277 - Land Surveying I (Gen. Ed. - Nat'l Science)				3
AEC 280 - Site Modeling			3	3
AEC 289 - Preparation for Employment in the AEC Field			2	2
100-Level General Education Requirement – Natural Science * (Recommended: AEC 277, GEO 101, GG 101, or 103)			3	
SUMMER TERM: AEC 278- Land Surveying II (elective)				(3)
			18	18

Additional Requirements	CA Arch Tech Focus	CA Const Mgmt Focus	AS Arch Tech Focus	AS Const Mgmt Focus
Completion of 40 hours of program-related community service			✔	✔
Minimum Credits Required	**32**	**32**	**67**	**69**

*   General Education and Quantitative/Logical Reasoning Requirements for an AS degree are listed under *DEGREES AND CERTIFICATES*.

Note: For grade requirements, see the Program Description on the previous page.

Note: Students must meet the minimum proficiency standards in communication and computation established for Honolulu CC to qualify for the Certificate of Achievement.

COST OF TEXTBOOKS/SUPPLIES: The total cost of books for all classes over the two-year program is approximately $600.

ADVISORY COMMITTEE:
Tim Bramsen, Bowers + Kubota Consulting
Song K. Choi, Assist. Dean, University of Hawaii College of Engineering
Ranelle Ho, SSFM International, Inc.
Yoshi Honda, US CAD
Jonathan Kam, Hunt-Moss Hawaii
Dwight Mitsunaga, AIA, Pacific Architects, Inc.
Rick Myers, AIA Group 70 International, Inc.
Vaughn Sabino, Alaka'i Mechanical Corp.

ABRP - AUTO BODY REPAIR AND PAINTING

Liaison: Bert Shimabururo (842-2575, bertys@hawaii.edu)

Website: *www.honolulu.hawaii.edu/abrp*

Faculty: Contact: Bert Shimabukuro (842-2575, bertys@hawaii.edu)

Program Mission: The mission of the Auto Body Repair Program (ABRP) is to serve the community as a learning-centered, open door program that provides entry level knowledge and technical skills in order to meet the needs of the individual and demands of the Auto Body Industry.

Program Description: The curriculum used for the program is published by the I-CAR Education Foundation and is based on the National Automotive Technicians Education Foundation (NATEF) Auto Body Task List and the National Institute for Automotive Service Excellence (ASE) technician certification standards. Students completing the program will be prepared for employment in the Auto Body Repair and Painting industry and related areas. Classroom and laboratory work is offered in a modern and well-equipped facility. The program is certified by NATEF.

NOTE:

The current AAS degree in the Auto Body Repair Program (ABRP) at Honolulu Community College (HonCC) will be suspended in the Fall of 2016 while a new Certificate of Achievement (CA) is being offered. This new CA is the result of a collaboration with industry leaders and an independent national evaluation (DACUM-Developing A CUrriculuM and JTA - Job Task Analysis) team. The program's new CA design is intended to meet the goals of the objectives of an extensive research to: 1) Developing a short-term, entry-level training program to meet worker shortage and provide long-term workforce stabilization; 2) Strengthen industry relationships to support student success and career placement; 3) Re-establish Honolulu Community College's Auto Body Repair Program.

Program Learning Outcomes (PLOs): Upon successful completion of the ABRP program, students are prepared to do the following:

- Demonstrate personal and professional health and safety practices required for the Auto Body industry.
- Create positive relationships with customers and co-workers in the work environment that will effectively support the work to be accomplished and promote customer satisfaction.
- Work independently as well as interdependently to demonstrate professionalism and integrity with customers, co-workers, managers and vendors.
- Demonstrate professional work ethics and standards that are expected when working in varied situations in the industry.
- Exercise sound choices and explain reasons when undertaking simple and diverse endeavors.

Recommended High School Preparation: Industrial Arts, Mechanical Drawing, Mathematics, Physical Science, Communication Skills—reading and speaking.

Program Requirements:

Program Prerequisite: *Respirator use clearance and valid driver's licence*

First Semester	CA Credits	AAS Credits
ABRP 101 - Foundation to Auto Body Repair	12	12
MATH 150 - Technical College Mathematics		3
	12	15

Second Semester	CA Credits	AAS Credits
ABRP 102 - Intermediate Auto Body Repair	12	12
General Education Requirement - Natural Science *		3-4
	12	15-16

AUTO BODY REPAIR AND PAINTING

ABRP

Third Semester	CA Credits	AAS Credits
ABRP 103 - Transitioning Class to Industry	4	4
ABRP 73 - Collision Prep & Panel Alignment		4
ABRP 75- Door Skin Alignment & Replacement		2
ENG 100 - Composition I		3
General Education Requirement – Social Science *		3
	4	16

Fourth Semester	CA Credits	AAS Credits
ABRP 78 - Collision Damage Analysis		3
ABRP 79 - Structural Straightening Techniques		3
ABRP 80 - Panel Replacement		6
General Education Requirement – Humanities & Fine Arts * (Recommended: SP 151 Personal and Public Speech)		3
	0	15
Minimum Credits Required	**28**	**61-62**

Driver's license must remain valid throughout the time the student is in the program.

*   General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*.

Note: Students must meet the minimum proficiency standards in communication and computation established by Honolulu CC to qualify for the Certificate of Achievement.

COST OF TEXTBOOKS/SUPPLIES: Depending on the tool manufacturer, the minimum cost for tools, textbooks, and supplies will range from $1500-2000. Purchases of additional tools, textbooks, and mock up materials may be required each semester.

ADVISORY COMMITTEE:
Ronald Burkhart, Owner, Pearlridge Fender & Body
Alex Cho, Owner, A.C. Marketing
Scott Furuta, Body and Paint Manager, Vehicle Processing Center, Servco Pacific Inc.
Tim Gruber, Owner, Classic Bodyworks
Dexter Kakazu, Director, Servco Automotive Vehicle Processing Center
Dale Matsumoto, Shop Manager, Auto Body Hawai'i
Eddie Murai, Parts Manager, Pacific Honda
Jerry Ranion, Instructor, Waipahu High School
Eric Takemoto, Shop Manager, Island Fender

AMT - AUTOMOTIVE TECHNOLOGY

LIAISON: Robert Silva (842-2578, rsilva1@hawaii.edu)

Bert Shimabukuro (347-4311, bertys@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/amt*

ADDRESS: 445 Kokea St., Honolulu, HI 96817

FACULTY: Kell Komatsubara, David Medeiros
Ivan Nitta, Bert Shimabukuro, Robert Silva

PROGRAM MISSION: The Automotive Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the automotive industry and the needs of the individual. An open-exit option allows the students to identify their career objectives and participate in program exploration.

PROGRAM DESCRIPTION: The Automotive Technology (AMT) program at Honolulu CC is a comprehensive five-semester program master certified by the National Automotive Technology Education Foundation (NATEF) that prepares students for employment as automotive technicians. Students completing the program may earn a Certificate of Achievement after one year or an Associate in Applied Science degree upon program completion. The program has maintained its NATEF certification since 1993, undergoing a review every five years. It is certified in all eight ASE areas: engine repair, automotive transmission and transaxle, manual drive train and axles, suspension and steering, brakes, electrical/electronics systems, heating and air conditioning, and engine performance.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the AMT program, students will be able to:

- Gain employment in the automotive industry in any of the eight NATEF areas: engine repair, automatic transmission/transaxle, manual drive train and axles, suspension and steering, brakes, electrical/electronics systems, heating and air conditioning, and engine performance.

- Increase their marketability through learning time management and team work skills.

- Gain personal knowledge and experience in vehicle repair.

RECOMMENDED HIGH SCHOOL PREPARATION: Pre-Algebra, Electronics, Chemistry or Physics, Industrial Arts.

PROGRAM REQUIREMENTS:

Program Prerequisites: *Placement in ENG 100; "C" or higher in MATH 50, OR Placement into MATH 150 or higher; Valid driver's license*[1]

First Semester	CA Credits	AAS Credits
General Education Requirement – Quantitative or Logical Reasoning *		
MATH 150 - Technical College Mathematics		3
AMT 121 - Introduction to Automotive Mechanics	2	2
AMT 153 - Brakes	5	5
AMT 155 - Suspension and Steering	5	5
PHYS 100 - Survey of Physics & PHYS 100L - Survey of Physics Lab or PHYS 104 - Physics for Transportation Technology		4
	12	16

Second Semester	CA Credits	AAS Credits
AMT 130 - Engines		8
AMT 140 - Electrical Systems I		4
WELD 19 - Welding for Trades and Industry		3
General Education Requirement – Social Science *		3
		18
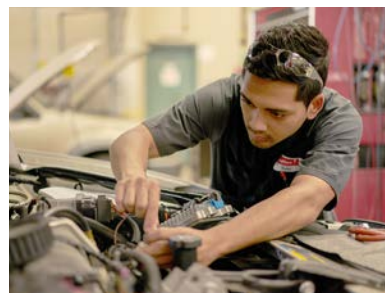
AUTOMOTIVE TECHNOLOGY

AMT

Third Semester	CA Credits	AAS Credits
AMT 146 - Powertrain and Manual Transmissions	5	5
AMT 151 - Automatic Transmissions/Transaxles	7	7
General Education Requirement ENG 100 *		3
	12	15

Fourth Semester	CA Credits	AAS Credits
AMT 142 - Electrical Systems II		8
AMT 143 - Air Conditioning		4
General Education Requirement *		3
		15

Fifth Semester	CA Credits	AAS Credits
AMT 167 - Engine Performance		12
AMT 93V - Cooperative Education		1-4
		13-16
Minimum Credits Required	**24**	**80-83**

[1] Driver's license must remain valid throughout the time the student is in the program.

* General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*.

Note: Students must meet the minimum proficiency standards in communication and computation established by Honolulu CC to qualify for the AAS degree.

PROGRAM GOALS: The competencies that students are expected to achieve in the program are based on the tasks described by NATEF. Students who successfully complete the program will be prepared with the skills and competencies necessary for a successful career in the automotive industry with emphasis on marketability by receiving training in all eight areas described by NATEF: engine repair, automatic transmission/transaxle, manual drive train and axles, suspension and steering, brakes, electrical/electronics systems, heating and air conditioning, and engine performance. The program is also structured for individuals exploring automotive as a potential career path, and allows individuals the opportunity to acquire knowledge in theory of operation and experience in vehicle repair for personal gain.

PHYSICAL REQUIREMENTS: The physical requirements of the program include the eye-hand coordination necessary to make precision repairs and to avoid unnecessary material losses and personal injury.

COST OF TEXTBOOKS/SUPPLIES: The cost of tools and supplies for the five-semester program is approximately $3500.

ADVISORY COMMITTEE:
Arnell Aurelio, Toyota City
Bert Azama, Kaimuki High School, Retired
Keith George, Porsche of Honolulu
Gary Gibo, Honolulu Ford
Rick Hernandez, Snap-On Tools
Mark Isono, Larry's Auto Parts
Clifford Johnson, Windward Dodge
Roy Ozaki, Roy's Automotive Center
Francis Parsons, Kamehameha School, Retired
Jerry Ranion, Waipahu High School, Retired
Jerry Romano, Windward Dodge
Neal Tanaka, Toyota Hawai'i

Boat Maintenance and Repair *(See Small Vessel Fabrication and Repair)*

CARP - CARPENTRY TECHNOLOGY

LIAISON: Dean Crowell (845-9485, dcrowell@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/carp*

FACULTY: George Boeman, Dean Crowell

PROGRAM MISSION: The Carpentry Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the carpentry industry and the needs of the individual. An open-exit option allows the students to identify their career objectives and participate in program exploration.

PROGRAM DESCRIPTION: Entrance into the carpentry trade is usually obtained through serving a four-year indentured apprenticeship. The Carpentry Department offers a program of instruction which, when successfully completed, provides an excellent background for those desiring to enter the Apprenticeship Program. Industry standards and safety regulations are emphasized.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the CARP program, students will be able to:

- Gain employment in the carpentry industry.
- Practice Quality Workmanship.
- Demonstrate personal and professional health, fitness and safety practices required for the building and construction occupations.
- Interact with customers and coworkers on construction jobs in ways that effectively support the work to be accomplished and promote customer satisfaction.
- Use appropriate materials, tools, equipment and procedures to carry out work on construction projects.

PROGRAM REQUIREMENTS: ASSOCIATE IN APPLIED SCIENCE

Program Prerequisite: *Placement in ENG 100, MATH 50, OR Placement into MATH 150 or higher*

First Semester	AAS Credits
CARP 20 - Carpentry Basics	3
CARP 26 - Carpentry I	9
CARP 30 - Blueprint Reading For Carpenters	3
MATH 150 - Technical College Mathematics	3
	18

Second Semester	AAS Credits
CARP 22 - Concrete Form Construction	11
ENG 100 - Composition I	3
General Education Requirement *	3
	17

Third Semester	AAS Credits
CARP 41 - Rough Framing & Exterior Finish	11
General Education Requirement *	3
	14

Fourth Semester	AAS Credits
CARP 42 - Finishing	11
General Education Requirement *	3
	14

| **Minimum Credits Required** | **63** |

CARPENTRY TECHNOLOGY

CARP

* General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*.

** Students desiring full-time status are required to register for 12 credits.

Recommended course: WELD 19, Welding for Trades and Industry.

PROGRAM REQUIREMENTS: CERTIFICATES OF ACHIEVEMENT

Program Prerequisite: *Placement in ENG 100 ; MATH 50 OR Placement into MATH 150 or higher*

First Semester	CA Concrete Form Construction Credits	CA Framing Credits	CA Finishing Credits
CARP 20 - Carpentry Basics	3	3	3
CARP 26 - Carpentry I	9	9	9
CARP 30 - Blueprint Reading for Carpenters	3	3	3
MATH 50 - Technical Mathematics I or MATH 53 - Technical-Occupational Mathematics	3-4	3-4	3-4
	18-19	18-19	18-19

Second Semester	CA Concrete Form Construction Credits	CA Framing Credits	CA Finishing Credits
CARP 22 - Concrete Form Construction	11		
	11		

Third Semester	CA Concrete Form Construction Credits	CA Framing Credits	CA Finishing Credits
CARP 41 - Rough Framing & Exterior Finish		11	
		11	

Fourth Semester	CA Concrete Form Construction Credits	CA Framing Credits	CA Finishing Credits
CARP 42- Finishing			11
			11
Minimum Credits Required	**29-30**	**29-30**	**29-30**

Note: Students must meet the minimum proficiency standards in communication and computation established by Honolulu CC to qualify for the Certificate of Achievement.

COST OF TEXTBOOKS/SUPPLIES: The cost for tools and textbooks is approximately $460 for the first year and $50 for each succeeding year.

ADVISORY COMMITTEE:
Leroy Akimoto, Wood Craft Hawai'i
Paul Chang, Hawai'i Carpenter Apprentice & Training Office
Karen Nakamura, Building Industry Association of Hawai'i
Doug Pearson, Castle & Cooke Homes
Alan Shintani, Alan Shintani Inc.

CA - COMMUNICATION ARTS

Liaison: TBD

Website: *www.honolulu.hawaii.edu/ca*

Faculty: TBD

Program Mission: The Communication Arts program's mission is to serve the community as a learning-centered program that provides hands-on technical training. The two-year career and technical curricula is for entry level employment or skill upgrading in keeping with the demands of the design, publishing, and printing industries as well as the needs of the individual.

Program Description: Communication Arts is a graphic design program that integrates art and technology to communicate ideas and information for a wide range of visual communication needs such as: marketing collateral, advertising design, packaging design, and more, for print and digital media needs. The program provides a curriculum of technical and conceptual problem solving skills to encourage innovation, critical thinking and the application of formal design.

The Communication Arts program prepares students for entry level employment in graphic design, advertising design, desktop and on-line publishing, and includes all aspects of the publishing, printing and related services and industries.

To successfully complete the program, students must earn a grade of "C" or higher in all major courses with a "CA" alpha.

Program Learning Outcomes (PLOs): Upon successful completion of the CA program, students will be able to:

- Produce compositions utilizing the various steps of the design process: investigate client needs, do marketing research, define the design problem, problem solve, develop an idea/concept, thumbnails, layouts, comps and presentation art, prepare final art and produce mechanicals when necessary.
- Use tools, equipment and services to implement ideas for production. Techniques to include use of computer hardware, software, and service bureaus.
- Select appropriate software tools to achieve or maintain effective design solutions.
- Follow instructions to produce, modify, or output files according to client/project supplied criteria.
- Produce graphic design formats appropriate for delivery output while demonstrating the ability to meet deadlines, organize time and maintain schedules.
- Work independently as well as part of a team.

Program Requirements:

Program Prerequisites: *Placement in ENG 100 ; MATH 24 or Placement in MATH 25 or higher*

General Education Requirements: *	AS Credits
CA 100 - Survey of Graphic Styles (Group III)	*3*
CA 101 - Power of Advertising (Group V)	*3*
Communications (Group I)	*3*
Quantitative or Logical Reasoning (Group II)	*3*
Natural Sciences (Group IV)	*3*
	15

First Semester	AS Credits
CA 121 - Art and Media Preparation I	*4*
CA 122 - Copy Preparation	*4*
CA 123 - Color Theory and Issues	*4*
CA 125 - Beginning Graphic Design	*4*
	16

COMMUNICATION ARTS

CA

Second Semester	AS Credits
CA 131 - Art and Media Preparation II	*4*
CA 132 - Page Composition	*4*
CA 135 - Typographic Design	*4*
General Education Requirements *	*6*
	18

Third Semester	AS Credits
CA 142 - Page and Web Layout	*4*
CA 143 - Prepress and Digital Printing	*4*
CA 145 - Graphic Design	*4*
General Education Requirements *	*6*
	18

Fourth Semester	AS Credits
CA 152 - The Business of Advertising	*4*
CA 155 - Portfolio Presentation and Review	*4*
Elective: (Choose one of the following)	
• *CA 134 - Digital Photography (4)*	
• *CA 146 - Advertising Design (4)*	
• *CA 150 - Special Projects (4)*	*1-4*
• *CA 193V - Cooperative Education (1-4)*	
General Education Requirement *	*3*
	12-15

| **Minimum Credits Required** | **64-67** |

*   General Education requirements for the AS degree are listed under *DEGREES AND CERTIFICATES* and must be numbered 100 or higher.

COST OF TEXTBOOKS/SUPPLIES: The estimated cost of the two-year program for required texts and supplies is approximately $2000.

ADVISORY COMMITTEE:
Jim Meyers, Trade Publishing
Ric Noyle, Ric Noyle Photography
Richard Puetz, HMSA
Lee Schaller, Lee Schaller Marketing
Jason Suapaia, 1013

# CSNT - COMPUTING, SECURITY, AND NETWORKING TECHNOLOGY

FORMERLY CENT - COMPUTING, ELECTRONICS, AND NETWORKING TECHNOLOGY

LIAISON: Aaron Tanaka (845-9109, tanaka@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/csnt*

FACULTY: Sally Dunan, Roger Mitchell, Bradley Ramos, Aaron Tanaka

PROGRAM MISSION: The Computing, Security, and Networking Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the Information and Communications Technology (ICT) industry and the needs of the individual. The program is designed to provide the student with a mixture of knowledge and hands-on training with an emphasis on preparing students for entry-level employment in the ICT industry.
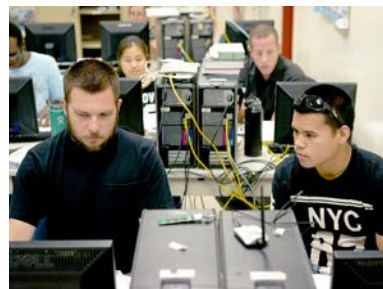
PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the CSNT program, students will be able to:

1. Apply current industry standards, protocols, and techniques; and keep up with evolving technology to maintain professional proficiency.
2. Identify, analyze and improvise solutions to resolve problems using a systematic method.
3. Use appropriate industry tools and methodologies to analyze, troubleshoot, and install systems.
4. Install, configure, operate, and maintain systems.
5. Apply current standards for safety and security.
6. Communicate clearly and effectively through written reports and oral presentations.
7. Work effectively, independently, and interdependently, in diverse situations involving stress, teams, co-workers, customers, vendors, organizational partners and supervisors.
8. Demonstrate professionalism and integrity in supporting the mission of the organization.

PROGRAM ARTICULATIONS: The Honolulu Community College CSNT program has established an articulation with the University of Hawai'i at West O'ahu that provides the option to complete a Bachelor of Applied Science (BAS) in Information Security and Assurance (ISA). Within the BAS in ISA at UH West O'ahu, students may also choose to complete a focus area in CSNT by completing four to six 300-level CSNT courses at HonCC, which can also be used to meet the requirements for an Advanced Professional Certificate in CSNT. Students who complete the Associate of Science degree in CSNT may apply to transfer to UH West O'ahu to complete the BAS in ISA baccalaureate degree program. Students may be concurrently enrolled in the Bachelor of Applied Science program at UH West O'ahu and the CSNT AS or APC program at Honolulu CC. The CSNT program counselor at Honolulu CC and the counselor at UH West O'ahu can provide more detailed information about courses specifically required or recommended for the BAS in ISA.

CYBER DEFENSE EDUCATION CERTIFICATION: The Department of Homeland Security and the National Security Agency have reviewed the University of Hawai'i - West O'ahu and Honolulu Community College programs in the field of Cyber Defense Education and certified that these programs have met the nationally established criteria for the depth and maturity of established programs. Honolulu Community College has been designated as a National Center of Academic Excellence in Cyber Defense Two-Year Education through Academic Year 2021.

ASSOCIATE IN SCIENCE DEGREE: The Associate in Science (AS) Degree in the Computing, Security, and Networking Technology program is a two year course of study that prepares the student for entry-level employment in the field of Information and Communications Technology. Core courses are designed to give students a firm foundation in the basics of computers, networking, system administration and information security. The AS Degree also provides options for a Certificate of Achievement in Networking and Telecommunications, and a Certificate of Achievement in Information Assurance.

Elective courses allow students to further specialize in a field of study. Students will have the opportunity to participate in an internship or cooperative education experience before completing the program. Certain CSNT courses also prepare the student to take the following Information and Communications Technology industry certification exams: Computer Technician A+, Cisco Certified Network Associate (CCNA), Microsoft

COMPUTING, SECURITY, AND NETWORKING TECHNOLOGY CSNT

Certified Professional, Security+, Linux+, and VMware Certified Professional. The CSNT program is a Cisco Academy, a CompTIA Training Center, a Microsoft Regional Academy, and a VMware Academy.

PROGRAM REQUIREMENTS: ASSOCIATE IN SCIENCE DEGREE

Program Prerequisites: *Placement in ENG 100; Placement in MATH 103 or MATH 135 or Higher; ICS 100 or ICS 101*

General Education Requirements **	Suggested Semester * 1	2	AS Credits
Communications (CTE Group I and FW): *ENG 100 - Composition I*	✔		3
Quantitative Reasoning (CTE Group 2 and FQ): *MATH 103 - College Algebra or MATH 115 - Introduction to Statistics and Probability *** or MATH 135 - Precalculus: Elementary Functions or Higher*	✔		3-4
Humanities: ** AS: *Any course numbered 100 or above designated to meet Humanities and Fine Arts requirement for the AS. (CTE Group III)* BAS: *HIST 151 World History to 1500 (CTE Group III and FG)*			3-4
Natural Sciences: *PHYS 105 - Principles of Technology (CTE Group IV and DP/DY)*		✔	4
Social Sciences: ** (CTE Group V and DS): AS: *Any course numbered 100 or above designated to meet the Social Sciences requirement for the AS.* BAS: *Any course numbered 100 or above designated to meet the Social Sciences (DS) requirement for the AA and Group V for the AS.*			3

CSNT Core Courses	Suggested Semester * 1	2	AS Credits
CSNT 110- Introduction to Information Systems	✔		3
CSNT 132- ICT Support	✔		4
CSNT 140 - Computer Networking I		✔	4
CSNT 228 - System Administration & TCP/IP Networking with Unix/Linux (4) or CSNT 253 - System Administration with Unix/Linux I (4)			4
CSNT 231 - Telecommunications			4
CSNT 270 - Network Operating Systems I			4
CSNT 275 - Security Essentials			3
CSNT 280 - Database Systems I			3
ICS 111 - Introduction to Computer Science I (using Java)		✔	3-4

Program Electives (Complete 9-12 credits from below)	AS Credits
CSNT 180 - Introduction to Data Analytics (2)	
CSNT 181 - Analytics Systems 1 (2)	
CSNT 184 - Machine Learning (2)	
CSNT 185 - Analytics Systems 2 (2)	
CSNT 240 - Computer Networking II (4)	
CSNT 285 - Introduction to Internet Applications/Web Applications (3)	
*CSNT 290V - CSNT Internship or CSNT 293V - Cooperative Education (3) *****	
Any CSNT course numbered 300 or above that is not otherwise used to meet a program requirement (3)	
ICS 211 - Introduction to Computer Science II (using Java) (3)	
A course in C Programming: EE 160 Programming for Engineers (4) or ICS 212 Programming Structure (3)	
MATH 241 - Calculus I (4) or MATH 242 - Calculus II (4) if not used to meet another program requirement	

Other Program Requirements	AS Credits

ENG 209 - Business and Managerial Writing (Recommended for AS)
    or ENG 210 - Writing Term Papers
    or ENG 200 - Composition II
	3

Minimum Credits Required:	**60-66**

*   Suggested courses for the first or second semester are designated with a " ✔ ". Most CSNT courses have CSNT 140 as a prerequisite, so it is important to take this course early in the program.

**   General Education Requirements are listed under *DEGREES AND CERTIFICATES* and must be numbered 100 or higher.

***   MATH 115 may be used to meet the Quantitative Reasoning requirement, if the student has placed into MATH 135 or higher or has met the Natural Science requirement.

****   Under special circumstances, and with prior approval, CSNT 290V/293V may be repeated for up to 8 credits. However, only 3 credits can be applied toward CSNT program requirements.

PROGRAM REQUIREMENTS: CERTIFICATE OF ACHIEVEMENT IN NETWORKING AND TELECOMMUNICATIONS

The courses within this certificate support established industry Networking and IT Support certifications.

Program Prerequisites: *Placement in ENG 100; Placement in MATH 103 or MATH 135 or Higher; ICS 100 or ICS 101*

Courses	CA Credits
CSNT 132 - ICT Support	4
CSNT 140 - Computer Networking I	4
CSNT 231 - Telecommunications	4
CSNT 240 - Computer Networking II	4
CSNT 270 - Network Operating Systems I	4
CSNT 275 - Security Essentials	3
CSNT 228 - System Administration & TCP/IP Networking with Unix/Linux or CSNT 253 - System Administration with Unix/Linux I	4
Minimum Credits Required	**27**

PROGRAM REQUIREMENTS: CERTIFICATE OF ACHIEVEMENT IN INFORMATION ASSURANCE (IA)

This certificate provides the student with a basic background in Information Assurance. The content of the courses within this certificate is based on Information Assurance industry certification standards.

Program Prerequisites: *Placement in ENG 100; Placement in MATH 103 or MATH 135 or Higher; ICS 100 or ICS 101*

Core Courses	CA Credits
CSNT 110 - Introduction to Information Systems	3
CSNT 140 - Computer Networking 1	4
CSNT 270 - Network Operating Systems I	4
CSNT 275 - Security Essentials	3
CSNT 228 - System Administration & TCP/IP Networking with Unix/Linux or CSNT 253 - System Administration with Unix/Linux I	4

Elective Courses (2 Courses Minimum)	CA Credits
CSNT 231 - Telecommunications (4)	
CSNT 285 - Introduction to Internet Applications/Web Applications (3)	
CSNT 310 - Network Security (3)	
CSNT 330 - Ethical Hacking (3)	
CSNT 370 - Integrated Network Applications (3)	
CSNT 372 - Network Operating Systems II (3)	
CSNT 375 - Virtualization (3)	
CSNT 377 - Cloud Infrastructure and Services (3)	

A course in C Programming:
EE 160 Programming for Engineers (4)
    or EE 150 Intro to Computer Programming Methods (3)
    or ICS 212 Program Structure (3)	

Minimum Credits Required	**24-26**

PROGRAM REQUIREMENTS: ADVANCED PROFESSIONAL CERTIFICATE (APC) IN CSNT

The Advanced Professional Certificate in CSNT is designed to provide the student with advanced technical training in the field of Information and Communications Technology (ICT) with a core emphasis on Information Assurance. The student will have the opportunity to pursue advanced industry certifications.

Program Prerequisites:
*Graduation from the Associate of Science Program in CSNT or a Program in Information Technology * that included equivalent course work in Basic Networking (such as CSNT 140), Network Operating Systems (such as CSNT 270), UNIX (such as CSNT 253 or CSNT 228), Introduction to Databases (such as CSNT 280), Introduction to Computer Science (such as ICS 111) and MATH 103 or MATH 115 or Higher.*

APC Program Core	APC Credits
CSNT 310 - Network Security	3
CSNT 330 - Ethical Hacking	3

APC Program Electives (4 Courses Minimum)	APC Credits
CSNT 315 - Network Management (3)	
CSNT 331 - Telecommunications II (3)	
CSNT 336 - Malware Analysis (3)	
CSNT 340 - Advanced Routing (3)	
CSNT 345 - Multilayer Switching (3)	
CSNT 350 - Junos Routing (3)	
CSNT 370 - Integrated Network Applications (3)	12
CSNT 372 - Network Operating Systems II (3)	
CSNT 375 - Virtualization (3)	
CSNT 377 - Cloud Infrastructure and Services (3)	
CSNT 390 - Special Topics in CSNT (3) **	
CSNT 397 series - Experimental Courses (3) ***	
CSNT 399V - Special Studies (3) ****	

Minimum Credits Required	**18**

*   Please see CSNT counselor for required prerequisites.

**   CSNT 390 may be taken twice for a maximum of 6 credits.

***   Two different CSNT 397 course offerings may be taken for a maximum of 6 credits.

****   Under special circumstances and with prior approval, 3 credits of CSNT 399V may be used as an elective for the APC.

COST OF TEXTBOOKS/SUPPLIES: The cost of equipment and textbooks is between $1000-$2000 for the entire program. It is recommended that students have their own computers and have access to the Internet.

ADVISORY COMMITTEE:
Eran Agmon, Comptest Technologies
Stan Chua, Referentia
Anderson Lau, SNR-Systems
Daren Presbitero, ATT
Rodolf Sabalburo , Actionet
John Tamagawa, Polycom

COSM - COSMETOLOGY

LIAISON: Jessica Kaniho (844-2370, jkaniho@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/cosm*

FACULTY: Jessie Aki, Jessica Kaniho, Mahina Hong, Kevin Murata

PROGRAM MISSION: The Cosmetology program's mission is to serve the community as an affordable, student-learning centered program which is committed to the development and delivery of quality education for the hair and beauty industry.

PROGRAM DESCRIPTION: The Cosmetology department offers two Certificates and an Associate in Applied Science degree program. There are two educational pathways in the Cosmetology program: Cosmetology and Cosmetology Instructor Training. The curriculum is designed to prepare the student for the State Board of Cosmetology Examination.

The Cosmetology program is part of an international member school system known as Pivot Point. Pivot Point developed its own training method to incorporate the use of art, science and math. This type of learning system completely revolutionized education in the hair and beauty industry The training offers students a high level of understanding in the manipulative skills and theory. The program standards meet the requirements of the Department of Commerce and Consumer Affairs Professional Vocational Licensing and the Department of Health for the licensing examination.

OTHER PROGRAM INFORMATION: Students who enroll in COSM alpha courses must submit one copy of their high school diploma to the records office, and another copy of their high school diploma to the cosmetology department.

A uniform is required to wear, and soft-sole, closed-toe shoes must always be worn in the department for safety and comfort (only a doctor's note will excuse someone from wearing closed toe shoes).

As stated in the Rules and Regulations of the Hawaii State Board of Cosmetology, students who resume their beauty culture courses after a lapse of three years or more shall not receive hours for previous course work.

Requirements of the examination and license

"Effective June 17, 2003 and pursuant to Hawaii Revised Statutes Section 436B-10 and federal law, it is the policy of the State of Hawaii ("State") Board of Barbering and Cosmetology ("Board") that, in addition to meeting the education, experiences, and examination requirements for licensure, an applicant for the Hawaii barber's, cosmetologist's, hairdresser's, esthetician's, nail technician's, or instructor's license is required to be either a United States citizen, a United States national, or an alien authorized to work in the United States. This means that, even if an applicant meets the education, experience, and examination requirements for licensure, that applicant shall not be issued a license if that applicant is not a U.S. citizen, a United States national, or an alien authorized to work in the U.S.

You can view the complete notice at http:/cca.hawaii.gov/pvl/boards/barber

PHYSICAL REQUIREMENTS: Standing in one place for long periods of time, finger dexterity, arm-hand steadiness, visual color discrimination, manual dexterity, oral expression, auditory attention, and speech clarity.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the COSM program, students will be able to:

- Conduct services in a safe environment and take measures to prevent the spread of contagious diseases.
- Define and exhibit the basic art principles and elements related to cosmetology.
- Describe and demonstrate the practical skills required to provide appropriate services to meet the needs for a variety of clients and/or students.
- Explain the State of Hawaii laws and rules which govern the cosmetology industry.
- Achieve the preliminary qualifications and requisites to apply for the licensing examination.
- Model professional life skills and express business principles associated with a professional salon environment.

COSMETOLOGY **COSM**

PROGRAM REQUIREMENTS: COSMETOLOGY

Program Prerequisites: *High School Diploma or Equivalent; Placement in ENG 100*
Recommended Prep: *ENG 100 and MATH 100*
Other Requirements: *Standing in one place for long periods of time, finger dexterity, arm-hand steadiness, visual color discrimination, manual dexterity, oral expression, auditory attention, and speech clarity.*

First Semester	CA Credits	AAS Credits
COSM 20 - Elementary Cosmetology Theory	3	3
COSM 21 - Elementary Natural Hair Services	6	6
COSM 22 - Elementary Chemical Hair Services	4	4
COSM 23 - Basic Hair, Skin and Nail Care Skills	2	2
HDFS 296 * - Working with People	3	3
	18	18

Second Semester	CA Credits	AAS Credits
COSM 30 - Intermediate Cosmetology Theory	3	3
COSM 31 - Intermediate Cosmetology Clinic	5	5
COSM 32 - Intermediate Cosmetology Skills	6	6
COSM 33 - Life Skills for Cosmetology	1	1
CHEM 105C * - Cosmetic Chemistry	3	3
	18	18

Third Semester	CA Credits	AAS Credits
COSM 40 - Advanced Cosmetology Theory	3	3
COSM 41 - Advanced Cosmetology Clinic	5	5
COSM 42 - Advance Cosmetology Skills	6	6
COSM 43 - Salon Management Theory	1	1
PHIL 101* - Introduction to Philosophy: Morals and Society	3	3
	18	18

Fourth Semester ***	CA Credits	AAS Credits
General Education Requirements **		6
		6

Minimum Credits Required (See Note)	**54**	**60**

*   HDFS 296 is taken concurrently with COSM 20, 21, 22, 23; CHEM 105C is taken concurrently with COSM 30, 31, 32, 33; PHIL 101 is taken concurrently with COSM 40, 41, 42, 43

**   General Education Requirements for the AAS degree are listed under DEGREES AND CERTIFICATES.

***   Students with fewer than 1800 hours of Cosmetology must also take COSM 50V to accumulate required hours during the 4th term. COSM 50V is not eligible for federal financial aid.

Note: Students must meet the minimum proficiency standards in communication and computation established by Honolulu CC to qualify for the Certificate of Achievement. To successfully graduate from the program students must:

(1)   Earn a grade of "C" or higher in all major courses with a COSM alpha.

(2)   Clock a minimum of 1800 hours in the required areas for either the Certificate of Achievement or the Associate in Applied Science degree.

(3)   Clock a minimum of 600 hours in the Cosmetology Instructor Training for the Certificate of Competence in Cosmetology Instructor Training.

As stated in the Rules and Regulations of the Board of Cosmetology, students who resume their beauty culture courses after a lapse of three years or more shall not receive hours for previous course work.

COSMETOLOGY INSTRUCTOR TRAINING:

Instructor Training; Students who wish to take the instructor training must have served actively as a licensed cosmetologist for a minimum of one year and the license must be valid upon enrollment. This course of study specializes in the theory and principles of teaching. Students receive a minimum of 600 clock hours in lesson preparation, teaching methods, and practice teaching.

COST OF TEXTBOOKS/SUPPLIES: A basic Cosmetology Kit, uniform, and textbooks cost approximately $2600.

Cosmetology Instructor Training, uniform and textbooks cost approximately $700.

ADVISORY COMMITTEE:
Ben Costa, Image Skincare
Lloyd Horibe, Hairscapes
Thi Nyugen, W Salon
Hanalei Ramirez, Salon 808

DISL - DIESEL MECHANICS TECHNOLOGY

LIAISON: Bobby Salvatierra (842-5498, bs33@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/disl*

ADDRESS: 445 Kokea St., Honolulu HI 96817

FACULTY: Bobby Salvatierra

PROGRAM MISSION: The Diesel Mechanics Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the diesel mechanics industry and the needs of the individual exploration.

PROGRAM DESCRIPTION: The program is designed to provide students with knowledge of heavy duty truck engines and chassis components and to develop student proficiency in the repair and maintenance of heavy duty truck equipment.

Admission is every other Fall semester.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the DISL program, students will be able to:

- Function safely in a heavy equipment shop environment.
- Demonstrate ability to communicate effectively to gather and convey information.
- Apply theory and principles for proper diagnosis, repair, and maintenance in the heavy-duty truck equipment industry.
- Practice the minimum essential mental, physical, and behavioral skills necessary to maintain professional proficiency.
- Work collaboratively with others as well as independently.

PROGRAM REQUIREMENTS:

Program Prerequisites: *Placement in ENG 100; MATH 50 OR Placement into MATH 150 or higher*

First Semester	CA Credits	AAS Credits
DISL 20 - Technical Practices	2	2
DISL 24 - Operator Orientation	2	2
DISL 22 - R&R Components	3	3
DISL 27 - nPreventative Maintenance	5	5
WELD 19 - Welding for Trades and Industry	3	3
MATH 150 - Technical College Mathematics		3
	15	18

Second Semester	CA Credits	AAS Credits
DISL 36- Suspension and Steering	5	5
DISL 34 - Brakes—Air and Hydraulic	5	5
DISL 56 - Hydraulics	2	2
ENG 100 - Expository Writing		3
	12	15

Third Semester	CA Credits	AAS Credits
DISL 41 - Diesel Engines		8
DISL 31 - Drive Train		4
PHYS 100 - Survey of Physics & PHYS 100L Survey of Physics Lab or PHYS 104 - Physics for Transportation Technology		4
		16

DISL DIESEL MECHANICS TECHNOLOGY

Fourth Semester	CA Credits	AAS Credits
DISL 52 - Electrical/ Electronic Systems		*8*
DISL 61 - Heating, Ventilation, and Air Conditioning		*4*
General Education Requirement *		*3*
General Education Requirement *		*3*
		18
Minimum Credits Required	**27**	**67**

*   General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*

COST OF TEXTBOOKS/SUPPLIES: The cost for textbooks is approximately $360. Required hand tools cost approximately $2500.

ADVISORY COMMITTEE:
Ted Dela Cruz: Hawthorne Pacific Corporation
Burke Moriguchi : Island Movers
Reynald Pasion/Brian Lowery/Bobby Wallace/Paco Anguiano: The Bus
Spencer Louie: Handi Van
Clayton Thomas : Thomas Service and Repair
Devin Statts : Loyalty Towing
Robert "Kimo" Bajet/Todd Lida: Pasha Hawaii
Maki Kuroda: Enoa Tours
Tyler Haylett : Penske
Cody Daniel : Nan Inc.
Greg Banaga : Napa
John Durham/Patrick Lapitan : Herc Rentals
Gary Nickerson: Snap On Tools

ECED - EARLY CHILDHOOD EDUCATION

Liaison: Caroline Soga (845-9289, caroline.soga@hawaii.edu)

Website: *www.honolulu.hawaii.edu/ece*

Faculty: Ann Abeshima, Elizabeth Hartline, Janina Martin, Eva Moravcik, Iris Saito, LaurieAnn Takeno, Cyndi Uyehara

Program Mission: The Early Childhood Education program mission is to:

- Provide training and education programs for the development of competent and nurturing caregivers and teachers for all Hawaiʻi's young children and their families.

- Provide quality education and care services for the children of students, faculty and staff in the Community Colleges. These services will represent the best of current practices and will serve as a practicum for programs related to early childhood education as well as providing demonstration of quality education and care for the larger community.

Program Description: The Early Childhood Education program prepares students for work in a variety of positions working with young children and with their families. The certificates and degree offered are designed to allow students to meet requirements for various levels of entry into the early childhood field and articulate with UH Mānoa and UH West Oʻahu's programs.

Program Learning Outcomes (PLOs): The underlying foundation for these outcomes is of knowledge of child development and of the multiple interacting factors that influence growth and learning. Through the program, the themes of development, families, communication, diversity and inclusion are addressed. Upon successful completion of the ECED program, students will be able to:

- Use knowledge of child development and of individual children to create healthy, challenging learning environments and experiences.

- Build respectful partnerships with children, families and their communities.

- Observe, document and assess all children's development and learning in partnership with families.

- Build positive relationships and guide all children through supportive interactions.

- Use content knowledge and appropriate pedagogy to create/design, implement and assess learning experiences.

- Use reflective practice to demonstrate professionalism.

Associate in Science Degree Program: The Associate in Science (AS) degree program in combination with 6 months work experience prepares students for immediate employment as teachers in private early childhood programs for infants and toddlers or preschoolers. With 12 months of full time experience, graduates with the AS degree meet the requirements of the State of Hawaiʻi Department of Human Services (DHS) to be directors of early childhood programs. The course of study leading to the AS degree is developmentally based and emphasizes observation and opportunities to participate in programs with children through class assignments and field experiences, both on campus and in the community. The program provides candidates with varied opportunities to develop their skills for working with children and families and with a general understanding of the field of early education and care. Students who successfully complete this degree may transfer to the Early Childhood Concentration in the Social Sciences Program at the University of Hawaiʻi-West Oʻahu. The AS degree in Early Childhood Education meets all requirements of that program for lower division course work.

To complete the degree, students must demonstrate proficiency at the English 100 and Math 100 levels. To successfully complete the program, students must earn a grade of "C" or higher in all courses with an ECED alpha.

Certificate of Competence in Child Development Associate (CDA) Preparation: The Certificate of Competence in Child Development Associate (CDA) Preparation is obtained by completing three courses which meet the formal training requirement of the national CDA credential. Students must earn a grade of "C" or higher in all courses with an ECED alpha.

ECED EARLY CHILDHOOD EDUCATION

CERTIFICATE OF COMPETENCE IN EARLY CHILDHOOD EDUCATION: The Certificate of Competence in Early Childhood Education requires a 16-credit sequence designed to give the candidate the most basic skills needed to work with children from infancy through eight years of age. This certificate also meets the ECE/CD coursework requirements of DHS for teachers and lead caregivers who hold an AAS, AS, AA or Bachelor's degree in a field other than early childhood. Students must earn a grade of "C" or higher in all courses with an ECED alpha.

CERTIFICATE OF ACHIEVEMENT IN PRESCHOOL: The Certificate of Achievement-Preschool is obtained by completing 32 credits of core courses in Early Childhood Education. It meets the requirements for coursework in Early Childhood Education/Child Development (ECE/CD) for teachers in Early Childhood Programs accredited by the National Association for the Education of Young Children who hold an AAS, AS, or AA not in ECE/CD. Students must earn a "C" or higher in all courses with an ECED alpha.

WORKPLACE REQUIREMENTS IN EARLY CHILDHOOD EDUCATION AND CARE SETTING: Current TB clearance and medical clearance (within the last 12 months), and a criminal history record check are a workplace requirement in early education and care settings and must be complete for practicum placements. The cost of the criminal history record check; currently $12.00, is the responsibility of the student.

PROGRAM REQUIREMENTS: CERTIFICATE OF COMPETENCE IN CHILD DEVELOPMENT ASSOCIATE (CO-CDA), CERTIFICATE OF COMPETENCE IN EARLY CHILDHOOD EDUCATION (CO-ECE) AND CERTIFICATE OF ACHIEVEMENT IN EARLY CHILDHOOD EDUCATION (CA)

Program Prerequisites: *Placement in ENG 100*

Other Requirements: *To obtain a CO-CDA, CO-ECE, or CA, students must earn a "C" or higher in all courses with an ECED alpha*

	CO-CDA	CO-ECE	CA
First Semester			
ECED 105 - Introduction to Early Childhood Education	3	3	3
ECED 110 - Developmentally Appropriate Practices	3	3	3
ECED 131 - Early Childhood Development: Theory into Practice	3	3	3
	9	9	9
Second Semester			
ECED 140 - Guiding Young Children in Group Settings		3	3
ECED 151F - Field-Based Practicum in Early Childhood		3	3
ECED 151S - Field-Based Practicum in Early Childhood Seminar		1	1
ECED 115 - Health, Safety and Nutrition for the Young Child			3
ECED 264 - Inquiry and Physical Curriculum			3
		7	13
Third Semester			
ECED 245 - Child, Family, and Community			3
ECED 263 - Language and Creative Expression Curriculum			3
ECED 296C - Preschool Laboratory: Field Experience in Early Childhood Education II			2
ECED 296P - Preschool Seminar: Field Experience in Early Childhood Education II			2
			10
Minimum Credits Required:	**9**	**16**	**32**

PROGRAM REQUIREMENTS: ASSOCIATE IN EARLY CHILDHOOD EDUCATION - INFANT/TODDLER OPTION (AS-IT) AND ASSOCIATE IN EARLY CHILDHOOD EDUCATION - PRESCHOOL OPTION (AS-PS)

Program Prerequisites: *Placement in ENG 100*

Other Requirements: *To obtain an AS-IT or AS-PS, students must earn a "C" or higher in all courses with an ECED alpha, and demonstrate proficiency at the ENG 100 and Math 100 levels or higher*

	AS-IT	AS-PS
First Semester		
ECED 105 - Introduction to Early Childhood Education	3	3
ECED 110 - Developmentally Appropriate Practices	3	3
ECED 131 - Early Childhood Development: Theory into Practice	3	3
ENG 100 - Composition I	3	3
Quantitative/Logical Reasoning *	3	3
	15	15
Second Semester		
ECED 115 - Health, Safety and Nutrition for the Young Child	3	3
ECED 140 - Guiding Young Children in Group Settings	3	3
ECED 170 - Introduction to Working with Infants and Toddlers	3	
ENG 210 ** - Writing Term Papers	3	3
Major Elective ***		3
Other Elective ****	3	3
	15	15
Third Semester		
ECED 151F - Field-Based Practicum in Early Childhood	3	3
ECED 151S - Field-Based Practicum in Early Childhood Seminar	1	1
ECED 245 - Child, Family, and Community	3	3
ECED 263 - Language and Creative Expression Curriculum		3
ECED 274 - Infant-Toddler Environments and Relationships	3	
Humanities and Fine Arts *	3	3
SP 151/251 - Personal and Public Speech/Principles of Effective Public Speaking	3	3
	16	16
Fourth Semester		
ECED 264 ***** - Inquiry and Physical Curriculum	3	3
ECED 296B - Infant-Toddler Seminar: Field Experience in Early Childhood Education II	2	
ECED 296C - Preschool Laboratory: Field Experience in Early Childhood Education II		2
ECED 296I - Infant-Toddler Lab: Field Experience in Early Childhood Education II	2	
ECED 296P - Preschool Seminar: Field Experience in Early Childhood Education II		2
Humanities and Fine Arts *	3	3
Natural Sciences *	3	3
Social Sciences *	3	3
	16	16
Minimum Credits Required:	62	62

*   General Education Requirements for the AS degree are listed under *DEGREES AND CERTIFICATES* and must be numbered 100 or higher.

**   To obtain an AS degree student must complete ENG 210 or higher. ENG 210 is strongly recommended.

***   To obtain an AS-PS students must complete 3 credits from the following ECED electives: ECED 127, ECED 152, ECED 155, ECED 156, ECED 157, ECED 170, ECED 234, ECED 257, ECED 265, ECED 269, or ECED 275

****   Select one course from the following that is not already used to satisfy another requirement: ECED 158, ECED 265, or HWST 107

*****   AS-IT students may take either ECED 263 or ECED 264

PACE (Professional and Career Education for Early Childhood): The Early Childhood option includes a non-credit program, PACE (Professional and Career Education for Early Childhood). PACE Workshops are geared to meet training and enrichment needs of early childhood practitioners on Oʻahu. Four core introductory courses (ECED 105, ECED 110, ECED 131 & ECED 140) and two electives (ECED 152 and ECED 170) from Honolulu CC's Early Childhood Education program are offered in a non-credit workshop format of sixteen 3-hour class sessions each. The workshops can be taken in any order. Participants who complete all sixteen workshops in a course with a score of 70% or better are eligible for Community College credit.

PACE workshops are offered in various places on Oʻahu. For information on program, schedules, registration and costs, call PACE at 845-9496 or visit our PACE website at *www.tech.honolulu.hawaii.edu/pace.*

Cost of Textbooks/Supplies: The estimated cost of textbooks and supplies is $500.00.

Advisory Committee:
Jayne Arasaki, Rainbow Schools
Lauren Moriguchi, Executive Office on Early Learning
Ben Naki, Head Start
Kalehua Caceres, INPEACE
Lisa Galino, Department of Human Services

EIMT - ELECTRICAL INSTALLATION AND MAINTENANCE TECHNOLOGY

LIAISON: Louis Maghanoy III (845-9476, louismag@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/eimt*

FACULTY: Louis Maghanoy III (845-9476)

PROGRAM MISSION: The Electrical Installation & Maintenance Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the electrical industry and the needs of the individual. An open-exit option allows the students to identify their career objectives and participate in program exploration.

PROGRAM DESCRIPTION: The curriculum is designed to prepare students with entry level knowledge and manipulative skills for employment in the electrical industry. The program combines theory with laboratory activities as an effective means of developing the skills essential to the electrical trade. The student begins with the fundamentals of electricity and wiring of simple circuits, then progresses to residential interior wiring, three phase alternating current power, and wiring of more complex circuits and equipment. Safety is stressed as an integral part of each shop task. Emphasis is placed on wiring in accordance with the provisions contained in the National Electrical Code.

PROGRAM LEARNING OUTCOMES (PLOS): Upon successful completion of the EIMT program, students will be able to:

- Work independently and inter-dependently on a construction and/or maintenance project meeting industry standards.
- Comply with published electrical codes and safety standards.
- Select and order appropriate electrical parts (materials) based on blueprints and drawings.
- Calculate electrical circuit loads and design/draw the electrical circuits.
- Install electrical systems/equipment in new construction under supervision of a journey person.
- Troubleshoot, repair, and conduct routine maintenance of electrical systems/equipment.

PROGRAM REQUIREMENTS:

Program Prerequisites: *MATH 50 OR Placement into MATH 150 higher*

First Semester	CA Credits	AAS Credits
EIMT 30 - Electrical Installation Theory I	4	4
EIMT 32 - Electrical Installation I	6	6
BLPR 22 - Blueprint Reading	3	3
MATH 150 - Technical College Mathematics		3
	13	16

Second Semester	CA Credits	AAS Credits
EIMT 44 - AC/DC Systems and Equipment	4	4
EIMT 46 - Electrical Maintenance and Repair	6	6
COMMUNICATION (Recommended: ENG 100)		3
PHYS 103 - Physics for Electrical Technology	4	4
	14	17

Third Semester	CA Credits	AAS Credits
EIMT 50 - Solid State Control	4	4
EIMT 52 - Solid State Control Lab	6	6
General Education Requirements *		6
	10	16

ELECTRICAL INSTALLATION AND MAINTENANCE TECHNOLOGY

EIMT

Fourth Semester	CA Credits	AAS Credits
EIMT 40 - Electrical Installation Theory II	4	4
EIMT 42 - Electrical Installation II	6	6
General Education Requirement *		3
	10	13
Minimum Credits Required	**47**	**62**

* General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*.

Note: Students must meet the minimum proficiency standards in communication established by Honolulu CC to qualify for the Certificate of Achievement.

Cost of Textbooks/Supplies: The cost for textbooks is approximately $350. Required hand tools cost approximately $300.
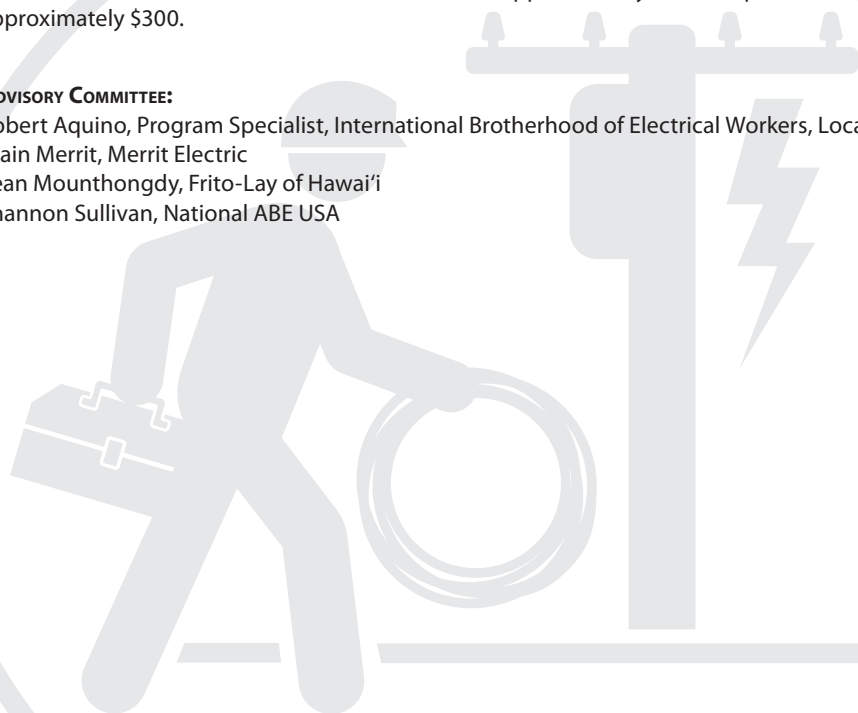
Advisory Committee:
Robert Aquino, Program Specialist, International Brotherhood of Electrical Workers, Local Union 1186
Brain Merrit, Merrit Electric
Sean Mounthongdy, Frito-Lay of Hawai'i
Shannon Sullivan, National ABE USA

FT - FASHION TECHNOLOGY

Liaison: Karen Kamahele (845-9203, kkamahe1@hawaii.edu)

Website: *www.honolulu.hawaii.edu/ft*

Faculty: Karen Kamahele

Program Mission: The Fashion Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the fashion industry and the needs of the individual. An open-exit option allows the students to identify their career objectives and participate in program exploration.

Program Description: The curriculum is designed to provide competency for a wide range of occupations in the fashion industry. Theoretical knowledge and practical skills are applied in clothing construction, industrial sewing, flat patternmaking, designing, textiles, fashion sketching, grading, marking and cutting, and computerized grading and marking. Internship or cooperative education experiences are available to interested students. This broad background enables students to select various occupations such as designer, patternmaker, cutter, or custom dressmaker.

The program offers an Associate degree, and Certificates of Achievement and Competence. Faculty members assist students in selecting the courses related to their talents and interest.

Program Learning Outcomes (PLOs): Upon successful completion of the FT program, students will be able to:

- Design and sketch appropriate garment designs suitable to the market or customer.
- Select appropriate fabrics and notions suitable to the garment's design.
- Drape, draft or manipulate flat patterns to create accurate garment patterns.
- Lay perfected patterns correctly and economically onto markers or fabric.
- Cut fabric using appropriate tools, including power tools.
- Construct garments using various sewing techniques.
- Fit garments on various body types and be able to make the proper adjustments.
- Grade the finished patterns into various sizes.
- Present the garments in a professional manner to "sell" the designs.
- Define the fashion industry's manufacturing process.

Program Requirements:

First Semester	CA Credits	AAS Credits
FT 111 - Art and Design in Fashion	3	3
FT 205 - Clothing Construction Methods	4	4
FT 215 - Flat Patternmaking I	3	3
FT 216 - Fashion Design and Sketching	3	3
ENG 100 - Composition I		3
	13	16

Second Semester	CA Credits	AAS Credits
FT 28 - Introduction to Industrial Sewing	3	3
FT 140 - Fabric Technology	3	3
FT 217 - Flat Patternmaking II	3	3
FT 237 - Pattern Grading		3
MATH 100 - Survey of Mathematics or Higher		3
	9	15

FASHION TECHNOLOGY

FT

Third Semester	CA Credits	AAS Credits
FT 29 - Textile Art	3	3
FT 36 - Draping	3	3
FT 43 - Cutting Room Functions	3	3
FT Electives (highly recommended) **		
• FT 41 - Apparel Design		3
• FT 160 - Computer Aided Digitizing, Grading & Marking		3
	9	15

Fourth Semester	CA Credits	AAS Credits
FT 30 - Basic Creative Designing	3	3
FT Elective **	9	9
FT 200 - Culture, Gender and Appearance *		3
	12	15
Minimum Credits Required	**43**	**61**

* General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*. 15 credits required.)

** FT Electives: 9 credits required for CA and 15 credits required for AAS. (FT 32, 38, 41, 90, 98, 125, 160, 170, 93V or 193V, 198)

PROGRAM REQUIREMENTS: FLAT PATTERNMAKING

Program Prerequisite: *FT 28 or demonstrated ability*

Courses	CO Credits
FT 215 - Flat Patternmaking I	3
FT 217 - Flat Patternmaking II	3
FT 237 - Pattern Grading	3
	9

PROGRAM REQUIREMENTS: CUTTING ROOM FUNCTIONS

Courses	CO Credits
FT 43 - Cutting Room Functions	3
FT 28 - Introduction to Industrial Sewing	3
FT 215 - Flat Patternmaking I	3
	9

PROGRAM REQUIREMENTS: COMPUTERIZED GRADING, MARKING AND PATTERNMAKING

Program Prerequisites: *FT 43 and 237 or demonstrated ability*

Courses	CO Credits
FT 160 - Computer Aided Digitizing, Grading and Marking	3
FT 170 - Computerized Patternmaking	3
	6

Fashion Technology Electives[1]:

A minimum of 9 credits of FT electives are required for the Certificate of Achievement and 15 credits of FT electives are required for the Associate in Applied Science Degree. The FT electives must be chosen from the following list.

Electives	Elective Credits
FT 32 - Advanced Apparel Design	*3*
FT 38 - Draping and Design	*3*
FT 41 - Apparel Design	*3*
FT 160 - Computer Aided Digitizing, Grading and Marking	*3*
FT 90 - Special Topics	*3*
FT 125 - Fashion Show Production	*3*
FT 93V - Cooperative Education or FT 193V - Cooperative Education	*1-4*
FT 98- Men's Fashion Designing	*3*
FT 170 - Computerized Patternmaking	*3*
FT 198- Embellishments	*3*
Minimum Elective Credits Required	**9 for CA, 15 for AAS**

[1] For federal financial aid, FT 90 is repeatable for up to 3 times, with each time covering a different fashion topic (example: Bridal, or Swimwear, or Knits), so long as credits are required for completion of degrees.

Cost of Textbooks/Supplies: The cost for textbooks is approximately $200-$500 per semester. The cost of supplies vary depending on projects ($300-$500 per semester).

Advisory Committee:
Dana Abe, Hidden Yardage
Gladys Agsalud, Casablanca Bridal & Formals
Elsie Casamina-Fernandez, Elsie's Designs
Alice Iraha, Kapolei High School
Danene Lunn, Manuhealii
Elaine Matsuo, Waipahu High School
Pua Rochland, Surfline Hawai'i
Caitlyn Salorieman, Macy's
Ari Southiphong - Andy South
Kini Zamora, KZ Designs

FIRE - FIRE AND ENVIRONMENTAL EMERGENCY RESPONSE

LIAISON: Richard S. Rhode (845-9212, rrhode@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/fire*

FACULTY: Richard Rhode, Stacy Rogers

PROGRAM MISSION: The Fire and Environmental Emergency Response Program is committed to provide training for individuals in the State of Hawai'i who are interested in developing entry level skills or in-service professional development required for employment in private, city, state, or federal agencies. Due to the workload demands of fire service personnel another goal is to provide opportunities that are flexible and have accessible delivery options including distance education, evening and weekend classes, and accelerated course offerings.

PROGRAM DESCRIPTION: The Fire and Environmental Emergency Response Program courses are provided to meet the needs of the in-service professional as well as students who are not employed by the Fire Service. This Program is designed to prepare students academically for the Fire Service Field, i.e., insurance adjuster, investigator, and safety and building inspector.

Students at Honolulu Community College, who complete 12 credits of Fire and Environmental Emergency Response college credit, may receive up to 26 credits of Fire and Environmental Emergency Response credits for completing Basic Recruitment Training for fire fighting as required by government agencies using Pro Board or IFSAC (International FIRE Service Accreditation Congress) certification. In addition students may be eligible to participate in a cooperative work program that will allow up to a maximum of 6 units of elective Fire and Environmental Emergency Response credits for completion of this program.

An Associate in Applied Science Degree is awarded to students who complete the General Education requirements ** and the 45 units of Fire and Environmental Emergency Response credits. A Certificate of Achievement may be awarded to students who complete 25 hours of the required Fire and Environmental Emergency Response credits.

Health and physical requirements vary with the employers in the Fire and Environmental Emergency Response field so prospective students should seek advice before enrolling.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the FIRE program, students will be able to:

- Demonstrate knowledge and skills required to respond appropriately to fire, medical, and environmental emergency situations at the private, city, state, or federal level.

PROGRAM REQUIREMENTS: ASSOCIATE IN APPLIED SCIENCE DEGREE

Program Prerequisites: *Placement in ENG 100 ; MATH 50 OR Placement in MATH 150 or higher*

First Semester	AAS Credits
FIRE 100 - Introduction to Fire Protection	3
FIRE 102 - Fundamentals of Fire Prevention	3
General Education Requirements *:	
• MATH 150, or 100, or 103, or 135, or higher	3
• ENG 100- Composition I	3
• CHEM 105- Environmental Chemistry	4
	16

Second Semester	AAS Credits
FIRE 107 - Fire Fighting Tactics and Strategies	3
FIRE 207 - Hazardous Materials Awareness and Operations	3
FIRE 117 - Basic Rescue in The Fire Service	3
General Education Requirement - Social Science**	3
	12

Third Semester	AAS Credits
FIRE 119B - Emergency Medical Technician	3.5
FIRE 119C- Emergency Medical Technician - Basic	3.5
FIRE 111 - Management in the Fire Service	3
General Education Requirements- Humanity & Fine Arts**	3
	13

Fourth Semester	AAS Credits
FIRE 280A - Firefighter I	12
FIRE 280B - Firefighter I Lab	8
	20

Minimum Credits Required   **61**

*   FIRE 193V Cooperative Education - up to a maximum of 6 units of elective Fire and Environment Emergency Response credits for completion of this program

**   General education requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES* and must be 100 level or higher.

PROGRAM REQUIREMENTS: CERTIFICATE OF ACHIEVEMENT IN EMERGENCY MEDICAL RESPONSE *

Program Prerequisites: *Placement in ENG 100; Placement in MATH 24/50*

First Semester	CA Credits
FIRE 100 - Introduction to Fire Protection	3
FIRE 102 - Fundamentals of Fire Prevention	3
	6

Second Semester	CA Credits
FIRE 107 - Firefighting Tactics and Strategies	3
FIRE 207 - Hazardous Materials Awareness and Operations	3
FIRE 117 - Basic Rescue in The Fire Service	3
	10

Third Semester	CA Credits
FIRE 119B - Emergency Medical Technician	3.5
FIRE 119C - Emergency Medical Technician- Basic	3.5
FIRE 111 - Management in Fire Service	3
	10

Minimum Credits Required   **25**

*   FIRE 100, 102, and 207 are offered every semester so it's possible for students to take more than 3 courses at a time to complete the Certificate of Achievement within 3 semesters.

**   FIRE 280B may be held off island. Students are responsible for airfare, lodging and living expenses.

Note: Students must meet the minimum proficiency standards in communication and computation established by Honolulu CC to qualify for the Certificate of Achievement.

COST OF TEXTBOOKS/SUPPLIES: The cost of Textbooks is approximately $100–$250 per semester. Fees for clothing rental and equipment purchase for 280A, 280B, and 280C could exceed $1000.

ADVISORY COMMITTEE:

Gregg Moriguchi, Fire Chief, Federal Fire Department
Fire Chief, Pacific Missile Range Facility
James Courtwright, Hawaii National Park FMO
David Thyne, Chief, Maui Fire Department
Manuel Neves, Chief, Honolulu Fire Department
Nick Stanley, Fire Chief, PAR Hawaii Refining

Fred Piechota, Director of Certifications NFPA ProBoard
Darren Rosario, Chief, Hawaii County Fire Department
Fire Chief, Kauai County Fire Department
Martinez Jacobs, Hawaii State DOT, Airports
Charles Gibbs, Fire Chief, USAG-HI Wildland

HSER - HUMAN SERVICES

LIAISON: Sharon Ota (845-9442, sharonot@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/hser*

FACULTY: Elliott Higa, Sharon Ota

PROGRAM MISSION: The Human Services - Program's mission is to prepare individuals for employment as human services workers and to support those who wish to transfer to baccalaureate human services and social work programs.

PROGRAM DESCRIPTION: The Human Services Program is designed for people interested in working as Human Service workers in diverse settings such as group homes, and community mental health centers; family, child, and youth service agencies; and programs concerned with alcoholism, drug abuse, family violence, and aging. Field experience, or internship, is an important feature of this program in which students have supervised work experiences in a community setting.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the HSER program, students will be able to:

- Work in the field of human services to serve clients or carry out other supportive human service agency functions.
- Obtain information and guidance to transfer to a baccalaureate human services or social work program if desired.

HUMAN SERVICES INTERNSHIP: Internship is supervised work experience related to the student's field of study and approved by the Internship Coordinator/Instructor. The field experience may be the student's regular job or a volunteer assignment. The internship is supervised by Honolulu Community College and not by the officials of the field site. Through the Internship Seminar (HSER 151) the students have weekly or biweekly interaction with their Internship Coordinator/Instructor. A standard college grading system is utilized. Seventy-five hours of work per semester is required for each credit earned. Course designation for the Human Services Internship is HSER 191V. Course descriptions are listed in the Course Description section of this catalog.

PROGRAM REQUIREMENTS:
The program offers a Certificate of Competence in Human Services, Certificate of Achievement, and an Associate in Applied Science degree. *(See Elliott Higa for Certificate of Competence requirements.)*

Program Requirements: *	CO Credits
Choose a minimum of 12 credits from the following course list:	
• *HDFS 133 - Dynamics of Family Violence (3)*	
• *HDFS 141 - Parenting (3)*	
• *HDFS 230 - Human Development (3)*	
• *HDFS 296 - Working with People (3)*	
• *HSER 121 - Family Dynamics & the Social Work Interview (3)*	12
• *HSER 140 - Individual Counseling (3)*	
• *HSER 150 - Group Counseling (3)*	
• *HSER 170 - Substance Abuse Counseling (3)*	
• *KLS 195 - Personal Health and Wellnesss (3)*	
• *SW 200 - The Field of Social Work (3)*	
Minimum Credits Required	**12**

* *Average of 2.0 GPA or better required.*

Program Requirements:	CA Credits	AAS Credits
HDFS 100 - Personal & Professional Development	3	3
HDFS 141 - Parenting	3	3
HDFS 230 - Human Development	3	3
HDFS 296 - Working with People	3	3
HSER 121 - Family Dynamics & the Social Work Interview	3	3
HSER 140 - Individual Counseling	3	3

HUMAN SERVICES

HSER

HSER 190 - Practicum Seminar	*1–2*	*2–3*
HSER 191V - Work Practicum/Community Service	*3–6*	*6–9*
KLS 195 - Personal Health and Wellness	*3*	*3*
SW 200 - The Field of Social Work	*3*	*3*
HDFS, HSER, or SW Electives	*2-3*	*1–13*
General Education Requirements and Electives *		*15–30*
Minimum Credits Required	**30-31**	**60**

* General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*. If math placement is at MATH 24/25/50/53/55, MATH 50 Technical Mathematics I is recommended for the AAS degree. If math placement is at MATH 100 or higher, PHIL 110 Intro to Deductive Logic is recommended for AAS degree students who may be transferring to UHM School of Social Work's BSW program. PHIL 110 satisfies a UHM Foundation Requirement-Quantitative Reasoning AND one of the four Social Work Knowledge Base Courses required for BSW admission.

COST OF TEXTBOOKS/SUPPLIES: The cost of textbooks is approximately $300–$500 per semester for education courses. Students may also expect to spend from $50-$75 per semester for additional course materials.

ADVISORY COMMITTEE:
Max Otani, Administration, Dept. of Public Safety
Greg Tanida, Mental Health Services, Kaiser Permanente
Tui Ulu, Intensive Support Services, Parents and Children Together

MELE - MUSIC & ENTERTAINMENT LEARNING EXPERIENCE

Liaison: John Vierra (844-2344, johnav@hawaii.edu)

Website: *www.honolulu.hawaii.edu/mele*

Office: MELE Program, Building 2-412

Studios: Mike Curb MELE Studio, Building 2-414/415
Studio 416, Building 2-416

Faculty: Eric Lagrimas, Jon Ross, John Vierra

Program Mission: To promote the business and profession of music in Hawaiʻi across the board from song writing and record production to contracts and career management.

Program Description: MELE - Music & Entertainment Learning Experience - utilizes a comprehensive music business and production curriculum meeting the requirements for entry-level training of music industry and production professionals. The curriculum focuses on combining academic experience with real-world applications to prepare students to work in the rapidly evolving global music industry of the 21st century. The program core offers a rounded curriculum grounding students in the basics of the music industry, sound recording and the business of music.

The MELE program offers two distinct degree paths. The Associate of Science (AS) in Music & Entertainment Business and the Associate of Science (AS) in Audio Engineering Technology which may be earned during a four-semester sequence:

- AS in MELE Music & Entertainment Business: This curriculum requires special focus on business related courses, including accounting, business law, and economics, as well as music business courses. Music business courses include a survey of the music business, music publishing, intellectual properties, and others.

- AS in MELE Audio Engineering Technology: This curriculum focuses on the engineering and production of music recording. Audio engineering courses include studio production, audio engineering, and studio maintenance and electronics.

Program Learning Outcomes (PLOs): Upon successful completion of the MELE program, students will be able to:

- Industry Ethics and Standards - understand business, technology, policy and practices in music and entertainment.

- Music and Entertainment Business - identify and compare traditional and modern record label, publishing, marketing, advertising, production, public relations and event company business models.

- Problem Solving - effectively demonstrate technical, business, and production troubleshooting skills to solve problems.

- Career Pathways and Income Streams - understand and identify primary income streams of intellectual property, jobs, projects, entrepreneurial opportunities and partnerships.

- Operation and Procedures - extensive knowledge in operations of music business, recording studios, and live events.

- Production and Planning - conceptualize and apply skills in the area of live events, artist development, public relations and recording studio productions.

- Music Fundamentals - understand and apply modern theory techniques in music, song writing, sequencing, beat creation and traditional methods.

- Recording Technology - proficiently produce, record, edit, mix and master audio for music and entertainment.

- Etiquette and Communication - demonstrate industry professional vocabulary, terminology, articulation, dress and hygiene.

- Science and Technology - thorough understanding of human hearing, sound properties, acoustics, electronics, physics, and audio systems.

MUISIC & ENTERTAINMENT LEARNING EXPERIENCE

MELE

PROGRAM REQUIREMENTS: MUSIC & ENTERTAINMENT BUSINESS AS DEGREE

Program Prerequisites: *Placement in ENG 100; "C" or higher in MATH 24, OR Placement in MATH 25 or higher*

First Semester	AS Credits
MELE 101 - Survey of Music & Entertainment Business	3
MELE 102 - Survey of Recording Techniques	3
MELE 103 - Modern Music & Theory for the Music & Entertainment Professional	3
ENG 100 - Composition I	3
SP 151 - Personal and Public Speech	3
	15

Second Semester	AS Credits
MELE 104 - Songwriting & Arranging Techniques	3
MELE 201 - History of Recording & Entertainment Industry	3
MELE 202 - Public Relations in the Music & Entertainment Industry	3
MATH 100 - Survey of Math	3
HIST 151 - World History to 1500 or HIST 152 - World History since 1500	3
	15

Third Semester	AS Credits
MELE 204 - Music Publishing in the Entertainment Industry	3
MELE 205 - Concert & Event Production	3
MELE 206 - Music Supervision	3
ECON 130 - Microeconomics or ECON 131 - Macroeconomics	3
Biological Science Course (lecture)	3
Biological Science Course (lab)	1
	16

Fourth Semester	AS Credits
MELE 203 - Intellectual Properties in the Music & Entertainment Industry	3
MELE 275 - Practicum	4
HWST 107 - Hawai'i: Center of the Pacific	3
ACC 201 - Elementary Accounting I	3
BLAW 200 - Legal Environment of Business	3
	16

Minimum Credits Required   **62**

General Education Requirements for the AS degree are listed under *DEGREES AND CERTIFICATES*.

PROGRAM REQUIREMENTS: AUDIO ENGINEERING TECHNOLOGY AS DEGREE

Program Prerequisites: *Placement in ENG 100; "C" or higher in MATH 24, OR Placement in MATH 25 or higher*

First Semester	AS Credits
MELE 101 - Survey of Music & Entertainment Business	3
MELE 102 - Survey of Recording Technology	3
MELE 103 - Modern Music & Theory for the Music & Entertainment Professional	3
ENG 100 - Composition I	3
SP 151 - Personal and Public Speech	3
	15

Second Semester	AS Credits
MELE 212 - Digital Audio: Theory and Workstations	*3*
MELE 214 - Electronics for Audio Engineers	*4*
MELE 104 - Songwriting & Arranging Techniques	*3*
MATH 103 - College Algebra	*3*
HIST 151 - World History to 1500 *or HIST 152 - World History since 1500*	*3*
	16

Third Semester	AS Credits
MELE 211 - Audio Engineering I	*4*
MELE 213 - Studio Production	*3*
MELE 215 - Sound Reinforcement *or MELE 216 - Live Audio for Media*	*4*
PHYS 100 - Survey of Physics	*3*
PHYS 100L - Survey of Physics Lab	*1*
	15

Fourth Semester	AS Credits
MELE 220 - Audio Engineering II	*4*
MELE 222 - Advanced Digital Audio: Theory & Workstations	*3*
MELE 275 - Practicum	*4*
JOUR 150- The Media and Society	*3*
HWST 107 - Hawaiʻi: Center of the Pacific	*3*
	17

Minimum Credits Required — **63**

General Education Requirements for the AS degree are listed under *DEGREES AND CERTIFICATES*.

Cost of Textbooks/Supplies: The cost for textbooks is approximately $240.

OESM

OCCUPATIONAL AND ENVIRONMENTAL SAFETY MANAGEMENT

OESM - OCCUPATIONAL AND ENVIRONMENTAL SAFETY MANAGEMENT

LIAISON: Bert Shimabukuro (842-2575, bertys@hawaii.edu)

WEBSITE: *www.honolulu.hawaii.edu/oesm*

FACULTY: Contact Bert Shimabukuro (842-2575, bertys@hawaii.edu)

PROGRAM MISSION: The Occupational & Environmental Safety Management program's mission is to:

- Provide the community with affordable, flexible, and up-to-date training on occupational and environmental safety and health.
- Promote workplace health & safety and environmental protection through education and training.

PROGRAM DESCRIPTION: Occupational and Environmental Safety and Health is a growing field.

- The National Institute for Occupational Safety and Health (NIOSH), Center for Disease Control and Prevention, concluded in its 2011 study that "The national demand for safety and health services will significantly outstrip the number of men and women with the necessary training, education, and expertise to provide such services.". It was estimated that for the following five years, only 12,000 safety and health graduates would enter the job market compared with 25,000 job openings.
- A study by the U.S. Bureau of Labor Statistics reported that employment of safety and health practitioners should increase eight percent during the 2016 – 2026 decade.
- The National Safety Council reported that between 2014 and 2018, at least one quarter of the organizations surveyed had expanded their safety and health departments.

The program provides practical training in occupational and environmental safety and health. The curriculum offers a broad background on safety and health program administration, workplace hazard recognition/evaluation/control, emergency preparedness, workers' compensation principles, hazardous chemical risk assessment, and environmental compliance. Besides an Associate Degree, the program offers a Certificate of Achievement in OESM.

Graduates from the OESM program are qualified to work as occupational safety and health professional and environmental technicians in public and private industries including construction, healthcare, utilities, transportation, environmental management, insurance, education, etc. Job placement opportunities are announced throughout the year.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the OESM program, students will be able to:

- Recognize and evaluate workplace and environmental hazards.
- Recommend control measures and accident prevention strategies.
- Identify and apply appropriate OSHA/HIOSH and EPA regulatory requirements.
- Analyze proximate and root causes of work-related accidents.
- Develop a written accident prevention and safety management program.
- Conduct training and presentations on occupational/environmental safety and health topics.
- Exercise choices, explain reasons for choices, and analyze potential consequences when dealing with ethical dilemmas concerning health and safety professionals.
- Demonstrate necessary knowledge and skills for employment in the field of occupational and environmental safety and health.

PROGRAM REQUIREMENTS:

Program Prerequisites: *Placement in ENG 100; "C" or higher in MATH 25 or MATH 75X, OR Placement in MATH 100/103/115*

First Semester	CA Credits	AS Credits
OESM 101 - Introduction to Occupational Safety and Health	3	3
OESM 106 - Introduction to Environmental Health	3	3
CHEM 105 - Environmental Chemistry		4
ENG 100 - Composition I		3
BIOL 100 - Human Biology		3
	6	16

Second Semester	CA Credits	AS Credits
OESM 102 - Safety and Health Standards, Codes and Regulations	3	3
OESM 104 - Occupational-Related Diseases	3	3
OESM Electives * (must be numbered 100 or higher)		3
ICS 100 - Computing Literacy and Applications or ICS 101 - Digital Tools for the Information World		3
SP 251 - Principles of Effective Public Speaking		3
	6	15

Third Semester	CA Credits	AS Credits
OESM 105 - Introduction to Industrial Hygiene	3	3
OESM 160 - Labor and Management Safety Partners	3	3
OESM 210 - Safety Program Management	3	3
OESM Electives * (must be numbered 100 or higher)		6
MATH 115 - Introduction to Statistics and Probability		3
	9	18

Fourth Semester	CA Credits	AS Credits
ENG 209 - Business & Managerial Writing		3
OESM 208 - Techniques of Industrial Hygiene	3	3
OESM 193V - Cooperative Education		1
OESM Electives * (must be numbered 100 or higher)		6
PSY 180 - Psychology of Work or HDFS 296 - Working with People		3
	3	16

| **Minimum Credits Required** | **24** | **65** |

Note: Students must meet the minimum proficiency standards in communication and computation established by Honolulu CC to qualify for the Certificate of Achievement.

COST OF TEXTBOOKS/SUPPLIES: The cost of supplies and textbooks is approximately $200-$400 per semester.

ADVISORY COMMITTEE:
Jim Beavers, CSP, President, Jim Beavers, LLC
Nira Cooray, CIH, CSP, Principal, Apex Environmental Safety & Health, Inc.
Harlan Hashimoto, Ph.D., Environment & Safety Manager, Hawaiian Telcom
Tracy Lawson, CSP, CHST, Principal, Lawson & Associates
John Ramos, CSP, PE, Safety & Health Manager, Su-Mo Builders, Inc.
Jennifer Shishido, CIH, (retired), Former Administrator of the Hawaiʻi Occupational Safety and Health, Department of Labor and Industrial Relations

RAC - REFRIGERATION AND AIR CONDITIONING TECHNOLOGY

Liaison: Steven Chow (845-9224, sc60@hawaii.edu)

Website: *www.honolulu.hawaii.edu/rac*

Faculty: Steven Chow, Morris Payes

Program Mission: The Refrigeration & Air Conditioning Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the industry and the needs of the individual. An open-exit option allows the students to identify their career objectives and participate in program exploration.

Program Description: The Refrigeration and Air Conditioning Program prepares students for employment as technicians in the design, operation, service, repair, installation and sales of these systems and equipment. The program combines theory with extensive practical hands-on training designed to simulate the actual work environment and skills needed to excel in this challenging field. Labs afford the student the opportunity to install, repair, and/or operate actual field equipment, such as commercial package and split system A/C; liquid chillers; commercial ice machines; and domestic equipment.

Program Learning Outcomes (PLOs): Upon successful completion of the RAC program, students will be able to:

- Gain employment in the field of refrigeration and air conditioning.

- Demonstrate positive work habits and attitudes.

- Demonstrate knowledge and skills required for the repair and maintenance of air conditioning and refrigeration equipment according to National Standards.

Program Requirements:

Program Prerequisite or Co-requisite: *MATH 50 OR Placement into MATH 150 or higher*

First Semester	CA Credits	AAS Credits
RAC 21 - Basic Refrigeration	12	12
MATH 150 - Technical College Mathematics		3
	12	15

Second Semester	CA Credits	AAS Credits
RAC 32 - Commercial Refrigeration	12	12
ENG 100 - Composition I Advanced Technical Writing		3
	12	15

Third Semester	CA Credits	AAS Credits
RAC 40 - Air Conditioning I	12	12
General Education Requirement *		3
	12	15

Fourth Semester	CA Credits	AAS Credits
RAC 50 - Air Conditioning II	12	12
General Education Requirement * (Recommended: PSY 180 Psychology of Work)		3
General Education Requirement *		3
	12	18

Minimum Credits Required	**48**	**63**

*   General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*.

Note: Students must meet the minimum proficiency standards in communication established by Honolulu CC to qualify for the Certificate of Achievement.

RAC

REFRIGERATION AND AIR CONDITIONING TECHNOLOGY
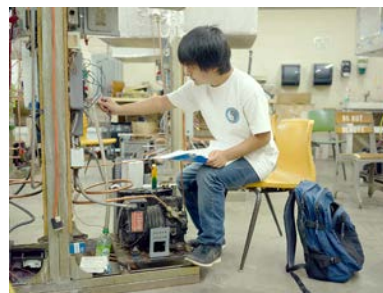
COST OF TEXTBOOKS/SUPPLIES: The cost of textbooks, supplies, meters, and tools is approximately $800.

ADVISORY COMMITTEE:
John Arizumi, President/Owner, Carrier Hawai'i
Clayton Kurosu, Owner/President, American Air Conditioning
Richard Mcilhenny, President/Owner, Trane Pacific
Ronnie Nakamura, President, A/C Warehouse Inc.
Lester Nakata, President, O'ahu Sales
Allen Ng, Regional Manager, Sears Appliance Repair Division
Clayton Shobu, Owner/President, Shobu's Air Conditioning
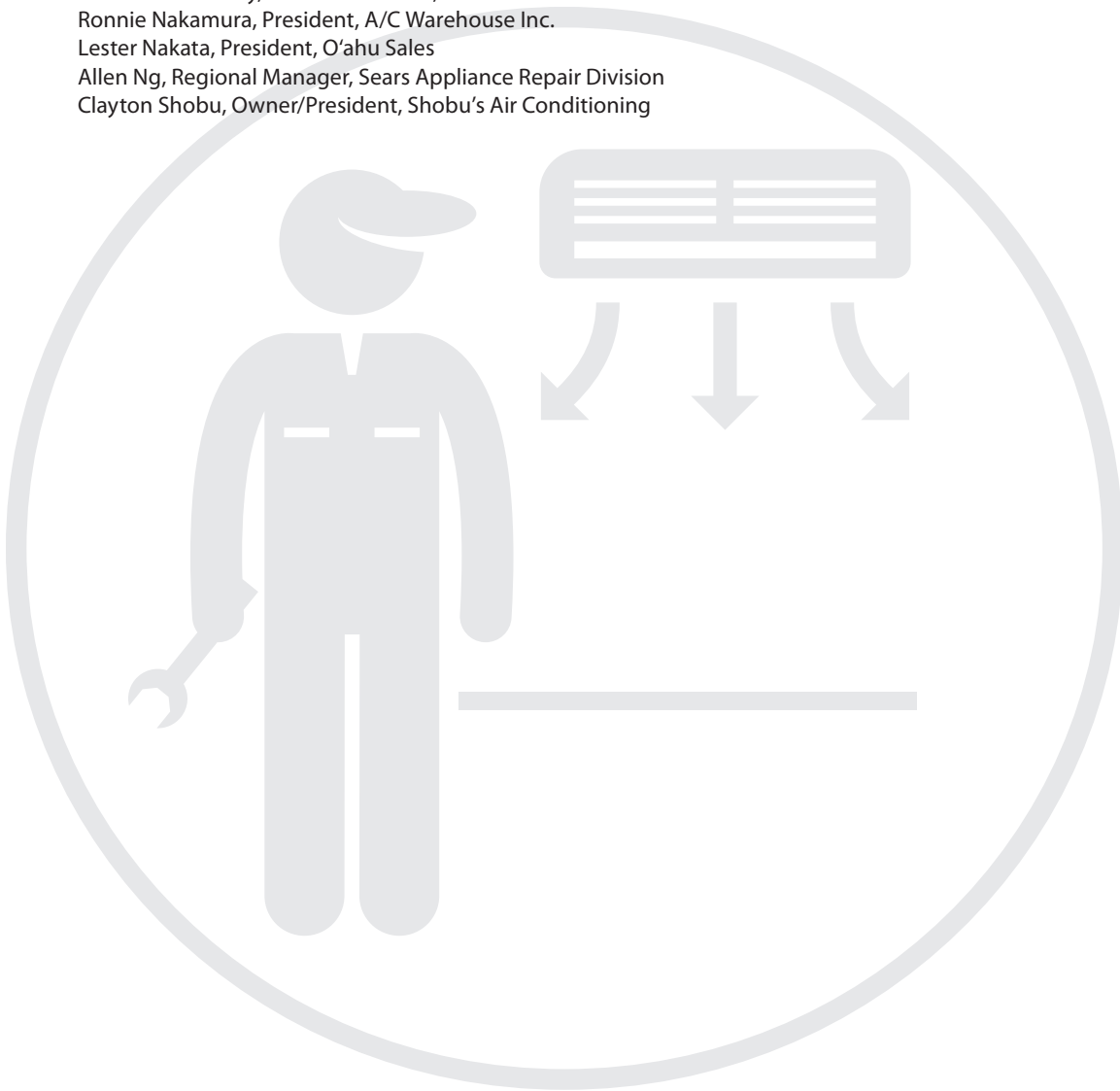
SMP - SHEET METAL AND PLASTICS TECHNOLOGY

Liaison: Danny Aiu (845-9237, aiud@hawaii.edu)

Website: *www.honolulu.hawaii.edu/smp*

Faculty: Danny Aiu

Program Mission: The Sheet Metal & Plastics Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the sheet metal and plastics industry and the needs of the individual. An open-exit option allows the students to identify their career objectives and participate in program exploration.

Program Description: This curriculum is designed to qualify students for entry into the field of sheet metal as apprentices. They will develop skills in fabricating air conditioning ducts; architectural metal work; welding and fabricating plastics; and, pattern development.

Program Learning Outcomes (PLOs):
Upon successfulcompletion of the SMP program, students will be able to:

- Identify and properly use personal safety equipment.
- Understand the need for safety equipment in the shop and field.
- Show proper use and care of sheet metal hand tools.
- Identify the proper use, care and safety concerns of shop equipment.
- Produce orthographic drawings for items requiring fabrication.
- State the three forms of metal fabrication.
- Produce basic fitting layout using any of the three methods.
- Identify the base rules for order of operation in fabrication.
- Layout, cut, notch, and bend in proper order, various fittings / components using sheet metal and plastic.
- Identify the different gauges of sheet metal, forming methods, and connection processes after lay out.
- Identify and install common fasteners used in sheet metal work.
- Properly mix and apply acids used in soldering.
- Produce soldering joints on galvanized iron.
- Identify Air Conditioner duct work fittings, their uses, connection types, and fabrication methods.
- Explain the use of Short-cut layout methods and when they apply.

Program Requirements:

First Semester	CA Credits	AAS Credits
SMP 20 - Hand Tool and Machine Processes	4	4
SMP 21 - Shop Problems	3	3
SMP 22 - Fabrication Processes (Architectural)	4	4
SMP 23 - Introduction to Surface Development	2	2
MATH 150 - Technical College Mathematics		3
	13	16

Second Semester	CA Credits	AAS Credits
SMP 24 - Advanced Fabrication Processes (Architectural)	4	4
SMP 25 - Air Conditioning Fabrication	4	4
SMP 26 - Pattern Development I	2	2
BLPR 22 - Blueprint Reading	3	3
ENG 100 - Composition I		3
WELD 19 - Welding for Trades and Industry (for Non-majors)	3	3
	16	19

SMP SHEET METAL AND PLASTIC TECHNOLOGY

Third Semester (See Substitution note below)	CA Credits	AAS Credits
SMP 41 - Advanced Air Conditioning Fabrication		4
SMP 43 - Pattern Development II		2
General Education Requirement *		3
General Education Requirement *		3
		12

Fourth Semester (See Substitution note below)	CA Credits	AAS Credits
SMP 44 - Blow Pipe Fabrication		4
SMP 45 - Advanced Fabrication (General)		4
SMP 46 - Pattern Development III		2
SMP 49 - Advanced Shop Problems		2
General Education Requirement *		3
		15

Minimum Credits Required	29	62

* General Education Requirements for the AAS degree are listed under *DEGREES AND CERTIFICATES*.

Note: Second year coursework will be offered if sufficient enrollment exists. (Industry offers employment to students upon completion of first year.)

Note: Students must also meet the proficiency requirements in communication established by Honolulu CC to qualify for the Certificate of Achievement.

Substitution: If Honolulu CC does not offer a third or fourth semester course in the normal sequence, Cooperative Education (SMP 93V) will substitute up to the credits of the required course(s) not scheduled.

COST OF TEXTBOOKS/SUPPLIES: The cost of tools, instruments, and textbooks is approximately $625.

SHEET METAL TRADE ADVISORY COMMITTEE:
Jackson Cheng, Sheet Metal Contractors Association
Roger Nagata, Administrator, Hawai'i Sheet Metal Workers Training Fund
Rick V. Paulino, President and Business Representative, SMWIA Local 293
Leo Peralta, Training Coordinator, Hawaii Sheet Metal Workers Training Fund
Brian Sen, Sheet Metal Contractors Association
Arthur Tolentino, Business Manager/ Financial Secretary , SMWIA Local 293

SMALL VESSEL FABRICATION AND REPAIR (MARR)

Liaison: Bob Perkins (832-3685, rperkins@hawaii.edu)

Website: *programs.honolulu.hawaii.edu/metc or www.honolulu.hawaii.edu/marr*

Address: Marine Education and Training Center, 10 Sand Island Parkway, Honolulu, HI 96819.

Faculty: Mark Keala Kimura, Robert (Bob) Perkins (Director)

Program Status: There is currently no new intake for MARR.

Program Mission: The Small Vessel Fabrication & Repair program's mission is to serve the community as a learning-centered, open door program providing technical training to meet the demands of companies within the small vessel fabrication and repair industry as well as the needs of the individual. An open-exit option allows students to identify their career objectives and participate in program exploration.

Program Description:

The Small Vessel Fabrication & Repair program is a two-year Associate in Applied Science program whose main goal is to prepare individuals for employment in the boat maintenance, repair, and manufacturing industries. Students work on a variety of "real world" repair, service and construction projects. Hands-on instruction is provided in composite boat construction and repair, marine woodworking and joinery, lofting, plug and mold construction and marine spray painting systems. Boat yard operation skills are practiced year round including marine straddle-lift operation, crane operation, forklift and hydraulic trailer operation. There are also courses that focus on the rigging, mechanical, plumbing, propulsion, and electrical systems of boats.

The Small Vessel Fabrication and Repair program has just been granted inclusion as one of American Boat and Yacht Council's (ABYC) Marine League Schools, one of less than ten schools in the United States. This very prestigious designation will allow the program to grant ABYC certificates to students who fulfill the requirements of the courses.

The majority of instruction for the program is held at the Marine Education and Training Center (METC) located on Sand Island, Keehi Lagoon, which is a state-of-the-art training facility. The METC ranks as one of the premier training facilities in the United States featuring four large work bays to allow work on vessels up to 45 feet, a concrete pier equipped with two cranes to allow work on vessels in the water, finger piers for removing vessels from the water employing a marine straddle-lift, as well as classroom, laboratory, and office space.

For enrollment in the program, students must be able to climb a twelve-foot ladder onto a vessel's deck, get on the deck, walk around the cabin and descend to the ground in a time period of not more than twice the time it takes the instructor to perform these tasks. The students must be able to jump onto the deck of a boat that is 18 inches below pier level, work in a crouching or standing position for hours at a time, lift 40 pounds from the floor onto a 34 inch high table top, and be physically fit to wear an organic respirator. Each student will be required to obtain a note from a physician stating that the student is capable of wearing an organic respirator. There are many physical demands and hazards in the boat maintenance and repair industry and the program. These include, but are not limited to, occasional heavy lifting, bending, crouching, and working in a cramped position. There will be exposure to woodworking saw blades and cutters, rapidly moving parts, and live electrical circuits. There will also be exposure to resins, solvents, fuel, paints, exhaust fumes, and dust. Students may get cuts, abrasions, burns, aches, and pains.

Program Learning Outcomes (PLOs): Upon successful completion of the Small Vessel Fabrication and Repair/MARR program, students will be able to:

- Perform tasks in accordance with American Boat and Yacht Council (ABYC) Standards and best practices.
- Secure vessels, safely operate machinery and perform operations associated with dry-docking operations.
- Operate and maintain standard woodshop stationary and portable tools; sharpen, tune, and use standard woodworking hand tools; true wood stock accurately, safely, and efficiently; construct shop

SMALL VESSEL FABRICATION AND REPAIR

MARR

fixtures and jigs; and, read, interpret and create blueprints.

- Identify a variety of composite materials, formulate laminate schedules and demonstrate proficiency in laminating techniques, perform standard composite quality control tests, practice quality assurance and safety, and utilize the practical principals of composite-resin chemistry.

- Present a systematic approach to surveying damaged composite vessels and be able to execute marine-quality composite repairs.

- Perform pre-paint preparation and procedures, understand air compressor requirements, utilize common coating application systems, techniques and equipment, and understand and employ multi-component paint systems.

- Fabricate components necessary to build a boat hull from a lofting, practice principals of attaining quality molds, apply spray and manual mold release systems, and calibrate and operate a plural component "chopper gun".

- State the basic operational principals and maintenance of common marine propulsion systems, and perform basic service and troubleshooting of marine engines.

- Perform trouble-shooting and testing of marine circuits, perform installation of electrical components commonly found on a vessel, perform marine battery service, recharging and installation, and understand and employ corrosion control systems.

- Understand State and Federal wastewater discharge regulations and perform installation and maintenance of plumbing components commonly found on a vessel.

- Survey a sailboat's rig including running and standing rigging and perform installation and maintenance of systems commonly found on sailboats rigs.

PROGRAM REQUIREMENTS: Recommended Prep: IS 20

NOTE: RESPIRATOR USE CLEARANCE ALSO REQUIRED

First Semester	CA Credits	AAS Credits
MARR 120 - Introduction to Marine Technology	1	1
MARR 122 - Portable Hand Tools and Machinery	2	2
MARR 124 - Introduction to Composite Technology *	3	3
MARR 129 - Blueprint Reading for Marine Technicians	2	2
MARR 130 - Woodworking	3	3
MARR 142 - Introduction to Marine Propulsion	2	2
MATH 150 - Technical College Mathematics		3
	13	16

Second Semester	CA Credits	AAS Credits
MARR 133 - Marine Finish Systems	4	4
MARR 152 - Introduction to Marine Electrical Systems *	3	3
MARR 153 - Introduction to Marine Plumbing Systems*	3	3
MARR 154 - Sailboat Rigging	2	2
General Education Requirement – Humanities and Fine Arts **		3
	12	15

Third Semester	CA Credits	AAS Credits
MARR 221 - Boat Hauling Procedures		4
MARR 225 - Composite Repair Techniques		3
MARR 231 - Yacht Joinery		3
ENG 100 - Composition I or ENG 120 - Advanced Technical Writing		3
HWST 281 - Hoʻokele I: Hawaiian Astronomy and Navigation		3
HWST 281L - Hoʻokele I: Hawaiian Astronomy and Navigation Lab		1
		17

Fourth Semester	CA Credits	AAS Credits
MARR 240 - Marine Blueprint Reading and Lofting		3
MARR 241 - Mold Station Construction		2
MARR 243 - Composite Tooling		4
MARR 250 - Mold Fabrication		3
MARR 251 - Composite Production		3
PSY 180 - Psychology of Work		3
		18
Minimum Credits Required	**25**	**66**

*   Courses having ABYC curriculum (MARR 124, 152, 153) will allow students to sit for the particular ABYC certificate associated with that course.

**   General Education requirements for the AAS Degree are listed under *DEGREES & CERTIFICATES.*

COST OF TEXTBOOKS/SUPPLIES: The total cost of tools, textbooks, and supplies for the two-year program is approximately $2,200. Mandatory student membership in the American Boat and Yacht Council (ABYC) - Marine League of Schools, is $69.95 annually.

ADVISORY COMMITTEE:
Susan Boatman, Manager, Port Supply
Robin Bond, Hawai'i Ocean Safety Team
John Coon, Designer, Tradewinds Marine Services
Jim Maynard, Owner, Pacific Diversified Finishes
George Norcross, President, Epoxy Sales Hawai'i, Inc.
Chris Rauch, Manager, Applied Engineering Navatec
Dennis Smith, President, Marine Surveyors and Consultants
Larry Stenek, Owner, Art Nelson Sailmakers, Inc.

WELD - WELDING TECHNOLOGY

Liaison: Jeff Schultz (845-9486, jeff8@hawaii.edu)

Website: *www.honolulu.hawaii.edu/weld*

Faculty: Jeff Schultz, Alton Waiamau

Program Mission: The Welding Technology program's mission is to serve the community as a learning-centered, open door program that provides technical training to meet the demands of the welding industry and the needs of the individual. An open-exit option allows the students to identify their career objectives and participate in program exploration.

Program Description: The Welding curriculum is designed to meet the minimum skill standards established by the American Welding Society (AWS) for entry-level welders. Training is given in both theory and practical skills in the various phases of welding and cutting. This includes arc welding, plasma and air carbon arc cutting, oxyacetylene welding, TIG welding, MIG welding, gas metal and flux core arc welding, welding inspecting testing principles and fabrication techniques. Entry-level welders are employed in a wide range of industries that use welding and welding-related tasks. This range of industries includes small, medium, and large union and non-union facilities. Students have the option of pursuing a Certificate of Achievement or Associate of Applied Science degree.

Program Learning Outcomes (PLOs): Upon successful completion of the WELD program, students will be able to:

- Demonstrates integrity, motivation, dependability and reliability and willingness to learn.
- Demonstrates skills related to applied science, basic computers, applied mathematics/measurements, reading for information, business writing, listening and following directions, locating/using information and speaking/presentation.
- Demonstrates understanding of business fundamentals, teamwork, adaptability/flexibility, marketing and customer focus, planning and organizing, problem solving and decision-making and applied technology.
- Demonstrates competencies in manufacturing process development and design, production, maintenance installation and repair, supply chain logistics, quality assurance/continuous improvement and health and safety.
- Demonstrates welding fundamentals, processes and equipment, materials and metallurgy and welding safety.
- Demonstrates knowledge in safety and health, drawing and symbols, Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Flux Cored Arc Welding (FCAW), Gas Tungsten Arc Welding (GTAW), Thermal Cutting, Oxygen Fuel Cutting (OFC), Plasma Arc Cutting (PAC), Carbon Arc Cutting (CAC) and Inspection.
- Demonstrates competencies in SMAW, GMAW, FCAW, GTAW, thermal cutting, OFC, PAC, CAC and inspection.

Program Requirements:

Program Prerequisites: *Placement into ENG 100; MATH 50 OR Placement into MATH 150 or higher*

Recommended Prep: *IS 20*

First Semester	CA Credits	AAS Credits
WELD 52 - Introduction to Arc I	3	3
WELD 54 - Introduction to Arc II	2	2
WELD 56 - Introduction to Arc III	2	2
WELD 58 - Introduction to Arc IV	2	2
BLPR 22 - Blueprint Reading and Drafting	3	3
*General Education Requirements - Natural Science**		3-4
	12	15-16

WELDING TECHNOLOGY

WELD

Second Semester	CA Credits	AAS Credits
WELD 60 - Advanced Arc Welding I	2	2
WELD 62 - Advanced Arc Welding II	3	3
WELD 64 - Advanced Arc Welding III	3	3
WELD 66 - Plasma and Air Carbon Arc Cutting	1	1
WELD 21 - Shop and Hand Tools	2	2
WELD 68 - Blueprint Reading for Welders	3	3
MATH 150 - Technical College Mathematics		3
	14	17

Third Semester	CA Credits	AAS Credits
WELD 70 - Oxyacetylene Welding I		2
WELD 72 - Oxyacetylene Welding II		2
WELD 74 - TIG Welding I		2
WELD 76 - TIG Welding II		2
WELD 78 - Fabrication Techniques		4
ENG 100 - Composition I		3
		15

Fourth Semester	CA Credits	AAS Credits
WELD 80 - Gas Metal and Flux Cored Arc Welding		5
WELD 82 - Welding Inspection Testing Principles		1
WELD 84 - Advanced Fabrication Techniques		4
General Education Requirements *		6
		16

Minimum Credits Required	**26**	**63-64**

COST OF TEXTBOOKS/SUPPLIES: The cost for tools, books, and supplies is approximately $450.00. Purchases of additional tools and textbooks may be required each semester.

ADVISORY COMMITTEE:
Glenn Euginio, Training Coordinator, Ironworkers Training Office, Local Union 625
Melvin McDermott, Owner/Operator, Hawaiian Iron Craft
Eugene Paris, Business Manager, Ironworkers Union Local 803
Paul Remigio, Industrial Sales, Gaspro Welding

LIBERAL ARTS DEPARTMENTS, DISCIPLINES AND FACULTY

General Education in the Curriculum

Statement of Philosophy

Honolulu Community College believes in unlimited human potential. The General Education component in all programs is a part of the process that supports individuals by encouraging development in thought, communication, ethical deliberation, creativity, feeling, empathy, adaptability, and awareness by providing foundation skills necessary for successful living in an ever-changing, global environment.

In addition, General Education is a key to solving the problems of surviving and thriving for individuals, communities and nations because it provides a common basis of understanding that fosters collaboration and helps create a human community.

The Honolulu Community College General Education curriculum has comprehensive learning outcomes and ensures that students are able to meet those outcomes. These outcomes include the development of:

a) Understanding of the basic content and methodology of major areas of knowledge, including humanities and fine arts, natural sciences, and social sciences.

b) Skills necessary to be a productive individual and lifelong learner, which include oral and written communication, information competency, computer literacy, scientific and quantitative reasoning, critical analysis/logical thinking, and the acquisition of knowledge through a variety of means.

c) Qualities necessary to be an ethical human being and effective citizen. These include an appreciation of ethical principles, civility and interpersonal skills, respect for cultural diversity, historical and aesthetic sensitivity, and the willingness to assume civic, political and social responsibilities locally, nationally, and globally.

PROGRAM MISSION: The mission of the Liberal Arts department is to offer comprehensive educational programs that provide meaningful learning and excellent teaching. The diverse disciplines in Liberal Arts supports an environment that fosters lifelong learning for the success of the individual as well as the community.

Program Learning Outcomes (PLOs)

The University College Divisions of Honolulu Community College are committed to providing the first two years of a traditional baccalaureate education by offering high-quality general education in liberal arts and sciences.

The student will be able to:

1. Communicate effectively by means of listening, speaking, reading, and writing in varied situations.
2. Apply quantitative reasoning skills to solve problems, evaluate arguments and chains of reasoning, and interpret information.
3. Demonstrate an understanding of the life processes, individual development, thinking and behavior.
4. Demonstrate and understanding of the planet and learn to utilize natural resources sustainably.
5. Demonstrate a comprehension and skill with research methods and scientific inquiry.
6. Display knowledge of different groups and organizations in societies and respect for varied cultural values.

LIBERAL ARTS

LBRT

7. Demonstrate a greater ethical understanding and reasoning ability about contemporary ethical issues.
8. Identify and articulate in a reasoned manner the roots and causal basis of contemporary issues.
9. Demonstrate a knowledge of one or more art forms and the role that the arts play in history and culture.

Liberal Arts Departments

Humanities

DIVISION CHAIR: Karadeen Kam-Kalani (845-9208, kamkara@hawaii.edu)

FACULTY: Kara Kam-Kalani, Mieko Matsumoto, Chris Ann Moore, Sharleen Nakamoto-Levine, Mitchell Okamura, David Panisnick, Patrick Patterson, Ronald Pine, Cynthia Smith

EMERITUS FACULTY: Norman Hallett, Walter McGoldrick, Barbara Peterson, Marcia Roberts-Deustsch, Alan Yonan

The Humanities Department offers courses in American Studies, Art, Asian Studies, History, Humanities, Music, Philosophy, Religion, Speech and Theater.

Information and Computer Science

LIAISON: Vern Takebayashi (847-9849, takebaya@hawaii.edu)

FACULTY: Sandeep Chintabathina, Vern Takebayashi

Although the College does not offer a major in Computer Science, the ICS department offers ICS 101 to support Pre-Business students, ICS 110P and ICS 111 as introductory programming courses, and ICS 102 to support creative media students.

Kūlana Hawai'i (Hawaiian Programs)

DIVISION CHAIR: Mark Alapaki Luke, (844-2372, markluke@hawaii.edu)

FACULTY: Tiani Akeo-Basques, Paul Kalani Flores, Jacob Hau'oli Lorenzo-Elarco, Mark Alapaki Luke, Ka'iulani Murphy

Kūlana Hawai'i is comprised of the Nā Papa Hawai'i-Hawaiian Language and Hawaiian Studies Programs, and the Hulili Ke Kukui-Hawaiian Center. Nā Papa Hawai'i offers courses in Hawaiian Language, Hawaiian Studies, Hawaiian plants, Hawaiian Literature, and Voyaging. Hulili Ke Kukui provides comprehensive support services including the Po'i Nā Nalu Native Hawaiian Career & Technical Education Program which offers student success, career development, and cultural engagement support to Native Hawaiian students enrolled in CTE and STEM programs. Kūlana Hawai'i's mission is to perpetuate Hawaiian knowledge and traditional practices.

Language Arts

DIVISION CHAIR: Jeff Stearns (845-9276, stearns@hawaii.edu)

FACULTY: April Ching, Brenda Coston, Charlene Gima, Kym Hogan, Kalehua Kamakawiwoole, Brenda Kwon, Michael Leidemann, Chris McKinney, Conred Maddox, Derek Otsuji, Bed Paudyal, Kenneth Quilantang Jr., Jerry Saviano, Eric Shaffer, Jeff Stearns, Shioko Yonezawa

EMERITUS FACULTY: Gloria Hooper

The Language Arts Department offers non-credit and credit courses in Composition, Literature, Business Writing, Journalism, Linguistics, Languages, East Asian Languages, and Literature (EALL), and English as a Second Language (ESL). Languages offered include Japanese, Korean, Chinese, Spanish, and American Sign Language.

Mathematics

Division Co-Chair: Steven Madraccia (847-9807, smandrac@hawaii.edu)

Faculty: Sterling Foster, Michael Kaczmarski, Maureen Kearns, Prateek Kunwar, Ming Jing (Coco) Chi, Femar Lee, Sang (Mike) Lee, Steven Mandraccia, Elliot Ossanna, Gretel Sia

Emeritus Faculty: Alice Bertram, Jim Reeder

Students planning to take courses in Mathematics at Honolulu Community College should be aware that the courses are arranged in a definite sequence, with each course either serving as preparation for a succeeding course or as a final course in one part of the sequence. To help the student better visualize this sequence, a schematic is presented in the "Course Descriptions'' section of the catalog under Mathematics. Specific prerequisites also are listed in the Course Descriptions section. A grade of "C'' or higher in prerequisite courses is required.

Natural Sciences

Division Co-Chair: Mario Mediati (845-9201, mediati@hawaii.edu)

Faculty: Shidong Kan, Mario Mediati, Michelle Nathan, Gabriel Peckham, Brent Rubio, Paul Sherard, Kerry Tanimoto, Hsin-I Tong

The Natural Sciences Department offers courses in Astronomy, Atmospheric Sciences, Agriculture, Biochemistry, Biology, Botany, Chemistry, Civil Engineering, Electrical Engineering, Geology & Geophysics, Microbiology, Oceanography, Physics, Physiology, Science, and Zoology.

Social Sciences

Division Chair: Karadeen Kam-Kalani (845-9208, kamkara@hawaii.edu)

Faculty: John DeLay, Coty Gonzales, Lena Low

Emeritus Faculty: David Cleveland

The Social Sciences Department offers courses in Anthropology, Economics, Geography and Environment, Political Science, Psychology, Social Science, Sociology and Women's Studies.

Liberal Arts Degree Programs

HAWAIIAN STUDIES (HWST)

LIAISON: Mark Alapaki Luke (844-2372, markluke@hawaii.edu)

OFFICE: Building 7-517

FACULTY: Tiani Akeo-Basques, Paul Kalani Flores, Jacob Hauʻoli Lorenzo-Elarco, Mark Alapaki Luke, Kaʻiulani Murphy

PROGRAM MISSION: Provide an opportunity for students to gain an understanding and knowledge of the host culture of Hawaiʻi, the Native Hawaiian language, culture and values.

PROGRAM DESCRIPTION: The Hawaiian Studies Associate in Arts will provide pathways, support, and recognition for students who are pursuing an AA at Honolulu Community College which is a two-year liberal arts degree that provides students with, 1) skills and perspectives fundamental to undertaking higher education; and, 2) a broad exposure to different domains of academic knowledge. This program will also ensure that students will enter a baccalaureate Hawaiian Studies program with the skills and knowledge required to promote success in the Hawaiian Studies major. The AA in Hawaiian Studies has comparable foundation, and diversification requirements to the Honolulu CC AA in Liberal Arts. It includes an expanded set of graduation requirements that, 1) provides students with a foundational introduction to the study of Hawaiian knowledge, cultural understanding, and values through exposure to origins, language, environment, craft, history, politics and culture; and, 2) supports the development and training of students toward the use of Hawaiian based knowledge and methods in the workforce and other areas of inquiry such as science, humanities, the arts, social sciences, and other professional endeavors.

PROGRAM STUDENT LEARNING OUTCOMES (SLO): Upon successful completion of the AA in Hawaiian Studies, students will be able to:

- Demonstrate competency in spoken and written Hawaiian language and show a familiarity with the oral traditions and written literature of Hawaiʻi.
- Identify elements of the geology and geography of Hawaiʻi and the role of Hawaiian culture in understanding the ʻāina (land/earth).
- Recognize, analyze, evaluate and work to solve contemporary economic, political and social problems in Hawaiʻi and their impact on Native Hawaiians.
- Utilize the Hawaiian understanding of ethics, philosophy, religion, and the worldview in solving contemporary issues.

PROGRAM REQUIREMENTS: HAWAIIAN STUDIES AA DEGREE - ʻŌLELO HAWAIʻI CONCENTRATION

Program Prerequisites: *ENG 100 + ENG 100T or ESL 13 & 14, OR Placement in ENG 100 + ENG 100S or ESL 23, or higher*

Core Requirements ***:	Suggested Semester *				AA Credits
	1	2	3	4	
HAW 101 - Elementary Hawaiian I	✔				4
HAW 102 - Elementary Hawaiian II		✔			4
HAW 201 - Intermediate Hawaiian I			✔		4
HAW 202 - Intermediate Hawaiian II				✔	4
HWST 107 - Hawaiʻi: Center of the Pacific (DH)	✔				3
BOT 105 - Mea Kanu: Hawaiian Plants and Their Uses (DS) or HWST 105 - Mea Kanu: Hawaiian Plants and Their Uses (DS)		✔			3
HWST 270 - Hawaiian Mythology (DL)			✔		3
					25

HWST

HAWAIIAN STUDIES

	Suggested Semester *				
Electives ***:	1	2	3	4	AA Credits

Choose 4-5 credits from the following Electives: (Select two different elective courses)
- *HAW 261 - Hawaiian Literature in English (3) DL*
- *HWST 110 - Huakaʻi Waʻa: Introduction to Hawaiian Voyaging (3)*
    and HWST 110L - Waʻa Hoʻokele: Hawaiian Sailing Canoes Lab (1)
- *HWST 128 - Introduction to Hula Kahiko (3)*
- *HWST 129 - Introduction to Hula ʻAuana (3)*
- *HWST 135 - Kālai Lāʻau: Hawaiian Woodwork and Wood Carving (3)*
- *HWST 207 - Mālama Ahupuaʻa: Hawaiian Perspectives in Ahupuaʻa (3)*
- *HWST 228 - Hula Kahiko (3)*
- *HWST 229 - Hula ʻAuana (3)*
- *HWST 275 - Pana Oʻahu (A), (B), or (C) (3)*
- *HWST 281 - Hoʻokele I: Hawaiian Astronomy and Navigation (3) DP*
    and HWST 281L - Hoʻokele I: Hawaiian Astronomy and Navigation Lab (1) DY
- *HWST 282 - Hoʻokele II: Hawaiian Voyaging and Seamanship (3) DH*
    and HWST 282L - Hoʻokele II: Hawaiian Voyaging and Seamanship Lab (1)
- *HWST 284 - He Moku He Waʻa: The Island is a Canoe (3)*
- *HWST 285 - Laʻau Lapaʻau: Hawaiian Medicinal Herbs (4) DH*
- *BOT 130 - Plants in the Hawaiian Environment (3) DB*
    and BOT 130L - Plants in the Hawaiian Environment Laboratory (1) DY
- *GEO 122 - Geography of Hawaiʻi (3) DS*
- *GG 103 - Geology of the Hawaiian Islands (3) DP*
- *POLS 180 - Introduction to Hawaiʻi Politics (3) DS*

	Suggested Semester *				
Foundations Requirements ** :	1	2	3	4	AA Credits
ENG 100 - Composition I (FW)	✔				3
Quantitative Reasoning (FQ); 3 credits:		✔			3
Global & Multicultural Perspectives (2 courses) FG			✔	✔	6
					12

	Suggested Semester *				
Diversification Requirements **:	1	2	3	4	AA Credits

(Students may choose from the HWST AA Electives to fulfill Diversification requirements.)

	1	2	3	4	AA Credits
Choose 6 credits from 2 different groups:					
• *The Arts (DA)*					
• *Humanities (DH)*	✔	✔	✔	✔	6
• *Literature and Language (DL)*					
• *Speech (1 course required)*					
Choose 7 credits from 3 different groups:					
• *Natural Science: Biological Science (3) DB*					
• *Natural Science: Physical Science (3) DP*	✔	✔	✔	✔	7
• *Natural Science Laboratory (1) DY*					
Choose 6 credits from 2 different disciplines:					
• *Social Science (DS)*	✔	✔	✔	✔	6
Recommended Focus sections to include above:					
• *1 Writing Intensive (WI)*					
• *1 Contemporary Ethical Issues (HCC-E)*	✔	✔	✔	✔	
(i.e. PHIL 101, POLS 120, REL 151, WS 151)					
					19

Minimum Credits Required					**60-61**

*   Suggested courses for the first through the fourth semester are designated with a " ✔ ".

**   General Education Requirements for the AA degree are listed under *DEGREES AND CERTIFICATES*.

***   A grade of "C" or higher must be earned in all program- required courses and electives.

PROGRAM REQUIREMENTS: HAWAIIAN STUDIES AA DEGREE - HOʻOKELE CONCENTRATION

Program Prerequisites: *ENG 100 + ENG 100T or ESL 13 & 14, OR Placement in ENG 100 + ENG 100S or ESL 23, or higher*

	Suggested Semester *				
Core Requirements ***:	**1**	**2**	**3**	**4**	**AA Credits**
HAW 101 - Elementary Hawaiian I	✔				*4*
and HAW 102 - Elementary Hawaiian II		✔			
HWST 107 - Hawaiʻi: Center of the Pacific (DH)	✔				*3*
HWST 281 - Hoʻokele I: Hawaiian Astronomy and Navigation (3) DP					*3*
and HWST 281L - Hoʻokele I: Hawaiian Astronomy and Navigation Lab (1) DY					*1*
HWST 282 - Hoʻokele II: Hawaiian Voyaging and Seamanship (3) DH					*3*
and HWST 282L - Hoʻokele II: Hawaiian Voyaging and Seamanship Lab (1)					*1*
BOT 105 - Mea Kanu: Hawaiian Plants and Their Uses (DS) *or HWST 105- Mea Kanu: Hawaiian Plants and Their Uses (DS)*		✔			*3*
HWST 270 - Hawaiian Mythology (DL)			✔		*3*
					25

	Suggested Semester *				
Electives ***:	**1**	**2**	**3**	**4**	**AA Credits**

Choose 4-5 credits from the following Electives: (Select two different elective courses)
 • *HAW 201 - Intermediate Hawaiian I (4)*
 • *HAW 202 - Intermediate Hawaiian II (4)*
 • *HAW 261 - Hawaiian Literature in English (3) DL*
 • *HWST 110- Huakaʻi Waʻa: Introduction to Hawaiian Voyaging (3)*
   and HWST 110L - Waʻa Hoʻokele: Hawaiian Sailing Canoes Lab (1)
 • *HWST 128 - Introduction to Hula Kahiko (3)*
 • *HWST 129 - Introduction to Hula ʻAuana (3)*
 • *HWST 135 - Kālai Lāʻau: Hawaiian Woodwork and Wood Carving (3)*
 • *HWST 207 - Mālama Ahupuaʻa: Hawaiian Perspectives in Ahupuaʻa (3)*
 • *HWST 228 - Hula Kahiko (3)*
 • *HWST 229 - Hula ʻAuana (3)*
 • *HWST 275 - Pana Oʻahu (A), (B), or (C) (3)*
 • *HWST 284 - He Moku He Waʻa: The Island is a Canoe (3)*
 • *HWST 285 - Laʻau Lapaʻau: Hawaiian Medicinal Herbs (4) DH*
 • *BOT 130 - Plants in the Hawaiian Environment (3) DB*
    and BOT 130L - Plants in the Hawaiian Environment Laboratory (1) DY
 • *GEO 122 - Geography of Hawaiʻi (3) DS*
 • *GG 103 - Geology of the Hawaiian Islands 3) DP*
 • *POLS 180 - Introduction to Hawaiʻi Politics (3) DS*
			✔	✔	*4-5*

					4-5

	Suggested Semester *				
Foundations Requirements ** :	**1**	**2**	**3**	**4**	**AA Credits**
ENG 100 - Composition I (FW)	✔				*3*
Quantitative Reasoning (FQ); 3 credits		✔			*3*
Global & Multicultural Perspectives (2 courses) FG			✔	✔	*6*
					12

Diversification Requirements **:					
(Students may choose from the HWST AA Electives to fulfill Diversification requirements.)	1	2	3	4	**AA Credits**
Choose 6 credits from 2 different groups:					
• *The Arts (DA)*					
• *Humanities (DH)*	✔	✔	✔	✔	*6*
• *Literature and Language (DL)*					
• *Speech (1 course required)*					
Choose 7 credits from 3 different groups:					
• *Natural Science: Biological Science (3) DB*	✔	✔	✔	✔	*7*
• *Natural Science: Physical Science (3) DP*					
• *Natural Science Laboratory (1) DY*					
Choose 6 credits from 2 different disciplines:					
• *Social Science (DS)*	✔	✔	✔	✔	*6*
Recommended Focus sections to include above:					
• *1 Writing Intensive (WI)*					
• *1 Contemporary Ethical Issues (HCC-E)*	✔	✔	✔	✔	
(i.e. PHIL 101, POLS 120, REL 151, WS 151)					
					19

Suggested Semester *

Minimum Credits Required   **60-61**

*   Suggested courses for the first through the fourth semester are designated with a "a".

**   General Education Requirements for the AA degree are listed under DEGREES AND CERTIFICATES.

***   A grade of "C" or higher must be earned in all program- required courses and electives.

NATURAL SCIENCES (NS)

LIAISON: Mario Mediati (845-9201, mediati@hawaii.edu)

FACULTY: Liberal Arts Faculty in Math, Sciences and other disciplines

PROGRAM MISSION: The Associate of Science in Natural Sciences degree program will prepare students to transfer to baccalaureate STEM (Science, Technology, Engineering and Mathematics) programs with recognized and supported pathways.

PROGRAM DESCRIPTION: The Associate of Science in Natural Sciences (AS-NS) degree is designed for students planning to transfer to a science, technology, engineering or mathematics (STEM) baccalaureate degree program at a four-year institution in Hawai'i or on the U.S. mainland.

PROGRAM LEARNING OUTCOMES (PLOs): Upon successful completion of the AS in Natural Sciences, students will be able to:

- Analyze data effectively using the most currently available technology.

- Communicate scientific ideas and principles clearly and effectively.

- Analyze and apply fundamental mathematical, physical and chemical concepts and techniques to scientific issues.

- Apply fundamental concepts and techniques in their chosen field of study, such as biology, chemistry, geology, and engineering.

PROGRAM REQUIREMENTS: **NATURAL SCIENCE AS DEGREE - BIOLOGICAL SCIENCES CONCENTRATION**

Program Prerequisites: *ENG 100 or ESL 23, OR Placement in ENG 100; MATH 25 or Placement in MATH 103*

Recommended Prep: *Summer Bridge program to complete MATH 103 prior to program entry*

General Education Courses	AS Credits
Foundations Requirements **:	
ENG 100 - Composition I (FW)	*3*
MATH 241 - Calculus I (FQ)	*4*
Two courses from FGA, FGB, FGC	*6*
Diversification Requirements **:	
Select three Diversification courses below; two courses should also satisfy the Writing Intensive (WI) Focus Requirement, and one course should also satisfy the HAP Focus Requirement.	
Select an additional 3 credits if the DB/DP course is used to fulfill an Elective requirement, to satisfy the total minimum of 60 credits required for this degree.	
One course from DA, DH, DL	*3*
One course from DS	*3*
One course from DB or DP	*3*
	22

Core Requirements*	AS Credits
BIOL 171 - Introduction to Biology I	*3*
BIOL 171L - Introduction to Biology I Lab	*1*
BIOL 172 - Introduction to Biology II	*3*
BIOL 172L - Introduction to Biology II Lab	*1*
CHEM 161 - General Chemistry I	*3*
CHEM 161L - General Chemistry I Lab	*1*
CHEM 162 - General Chemistry II	*3*
CHEM 162L - General Chemistry II Lab	*1*
PHYS 151 - College Physics I * or PHYS 170 - General Physics I*	*3-4*
PHYS 151L - College Physics I Lab * or PHYS 170L - General Physics I Lab*	*1*
PHYS 152 - College Physics II * or PHYS 272 - General Physics II*	*3*
PHYS 152L - College Physics II Lab * or PHYS 272L - General Physics II Lab*	*1*
	24-25

NATURAL SCIENCES

NS

Electives*	AS Credits

Choose 13-14 credits from the following electives, appropriate to Degree Concentration and intended baccalaureate pathway:

- AG 100 - Introduction to Agricultural Sciences (3)
- AG 199 - Special Topics in Agriculture (1)
- BIOC 141 - Fundamentals of Biochemistry (3)
- BIOC 142 - Elements of Biochemistry (3)
- BIOL 123 - Hawaiian Environmental Science (3)
- BIOL 124 - Environment and Ecology (3)
- BIOL 124L - Environment and Ecology Lab (1)
- BOT 101 - General Botany (3)
- BOT 101L - General Botany Lab (1)
- BOT/HWST 105 - Mea Kanu: Hawaiian Plants and their Uses (3)
- BOT 130 - Plants in the Hawaiian Environment (3)
- BOT 130L - Plants in the Hawaiian Environment Lab (1)
- GEO 101 - The Natural Environment (3)
- GEO 101L - The Natural Environment Lab (1)
- GG 101 - Introduction to Geology (3)
- GG 101L - Introductory Geology Lab (1)
- GG 103 - Geology of the Hawaiian Islands (3)
- ATMO 101 - Introduction to Meteorology (3)
- ATMO 101L - Introduction to Meteorology Lab (1)
- MICR 130 - General Microbiology (3)
- MICR 140L - General Microbiology Lab (2)
- OCN 201 - Science of the Sea (3)
- OCN 201L - Science of the Sea Lab (1)
- ZOOL 101 - Principles of Zoology (4)
- ZOOL 200 - Marine Biology (3)
- ZOOL 200L - Marine Biology Lab (1)

13-14

13-14

Minimum Credits Required   60

* A grade of "C" or higher must be earned in all program-required courses and science electives; minimum 2.0 GPA.

** General Education Requirements for the AA degree are listed under *DEGREES AND CERTIFICATES*.

PROGRAM REQUIREMENTS: NATURAL SCIENCE AS DEGREE - PHYSICAL SCIENCES CONCENTRATION

Program Prerequisites: *ENG 100 or ESL 23, OR Placement in ENG 100; MATH 25 or Placement in MATH 103*

Recommended Prep: *Summer Bridge program to complete MATH 103 prior to program entry*

General Education Courses	AS Credits
Foundations Requirements **:	
ENG 100 - Composition I (FW)	3
MATH 241- Calculus I (FQ)	4
Two courses from FGA, FGB, FGC	6
Diversification Requirements **:	

Select three Diversification courses below; two courses should also satisfy the Writing Intensive (WI) Focus Requirement, and one course should also satisfy the HAP Focus Requirement.

Select an additional 3 credits if the DB/DP course is used to fulfill an Elective requirement, to satisfy the total minimum of 60 credits required for this degree.

One course from DA, DH, DL	3
One course from DS	3
One course from DB or DP	3
	22

Core Requirements*	AS Credits
CHEM 161 - General Chemistry I	*3*
CHEM 161L - General Chemistry I Lab	*1*
CHEM 162 - General Chemistry II	*3*
CHEM 162L - General Chemistry II Lab	*1*
MATH 242 - Calculus II	*4*
PHYS 151 - College Physics I *or PHYS 170 - General Physics I*	*3-4*
PHYS 151L - College Physics I Lab *or PHYS 170L - General Physics I Lab*	*1*
PHYS 152 - College Physics II *or PHYS 272 - General Physics II*	*3*
PHYS 152L - College Physics II Lab *or PHYS 272L - General Physics II Lab*	*1*
	20-21

Electives*	AS Credits

Choose 17-18 credits from the following electives, appropriate to Degree Concentration and intended baccalaureate pathway:

- *AG 100 - Introduction to Agricultural Sciences (3)*
- *AG 199 - Special Topics in Agriculture (1)*
- *ATMO 101 - Introduction to Meteorology (3)*
- *ATMO 101L - Introduction to Meteorology Lab (1)*
- *BIOC 141 - Fundamentals of Biochemistry (3)*
- *BIOC 142 - Elements of Biochemistry (3)*
- *BIOL 123 - Hawaiian Environmental Science (3)*
- *BIOL 124 - Environment and Ecology (3)*
- *BIOL 124L - Environment and Ecology Lab (1)*
- *BOT 101 - General Botany (3)*
- *BOT 101L - General Botany Lab (1)*
- *BOT/HWST 105 - Mea Kanu: Hawaiian Plants and their Uses (3)*
- *BOT 130 - Plants in the Hawaiian Environment (3)*
- *BOT 130L - Plants in the Hawaiian Environment Lab (1)*
- *GEO 101 - The Natural Environment (3)*
- *GEO 101L - The Natural Environment Lab (1)*
- *GG 101 - Introduction to Geology (3)*
- *GG 101L - Introductory Geology Lab (1)*
- *GG 103 - Geology of the Hawaiian Islands (3)*
- *MICR 130 - General Microbiology (3)*
- *MICR 140L - General Microbiology Lab (2)*
- *OCN 201 - Science of the Sea (3)*
- *OCN 201L - Science of the Sea Lab (1)*
- *ZOOL 101 - Principles of Zoology (4)*
- *ZOOL 200 - Marine Biology (3)*
- *ZOOL 200L - Marine Biology Lab (1)*

17-18

17-18

Minimum Credits Required　　　　　　　　　　**60**

*　　A grade of "C" or higher must be earned in all program-required courses and science electives; minimum 2.0 GPA.

**　　General Education Requirements for the AA degree are listed under *DEGREES AND CERTIFICATES*.

Cost of Textbooks/Supplies: The cost of textbooks and supplies is approximately $300 per semester for full-time students.

PROGRAM REQUIREMENTS: NATURAL SCIENCE AS DEGREE - ENGINEERING CONCENTRATION

Program Prerequisites: *ENG 100 or ESL 23, OR Placement in ENG 100; MATH 25 or Placement in MATH 103*

Recommended Prep: *Summer Bridge program to complete MATH 103 prior to program entry*

General Education Courses	AS Credits
Foundations Requirements **:	
ENG 100 - Composition I (FW)	3
MATH 241 - Calculus I (FQ)	4
Two courses from FGA, FGB, FGC	6
Diversification Requirements **:	
Select three Diversification courses below; two courses should also satisfy the Writing Intensive (WI) Focus Requirement, and one course should also satisfy the HAP Focus Requirement.	
Select an additional 3 credits if the DB/DP course is used to fulfill an Elective requirement, to satisfy the total minimum of 60 credits required for this degree.	
One course from DA, DH, DL	3
One course from DS	3
One course from DB or DP	3
	22

Core Requirements *	AS Credits
CHEM 161 - General Chemistry I	3
CHEM 161L - General Chemistry I Lab	1
CHEM 162 - General Chemistry II	3
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
CE 270 - Applied Mechanics I (Statics) (3) or EE 211 - Basics Circuit Analysis I (4)	3 or 4
	33-34
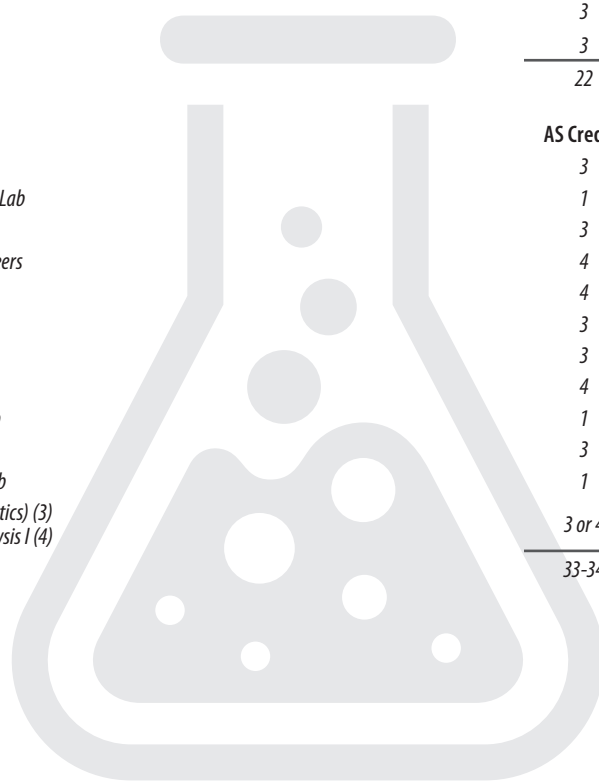
Electives*   **AS Credits**

Choose 4-5 credits from the following electives, appropriate to Degree Concentration and intended baccalaureate pathway: (*** indicates strongly recommended courses)

- *AG 100 - Introduction to Agricultural Sciences (3)*
- *ATMO 101 - Introduction to Meteorology (3)*
- *ATMO 101L - Introduction to Meteorology Lab (1)*
- *BIOC 141 - Fundamentals of Biochemistry (3)*
- *BIOC 142 - Elements of Biochemistry (3)*
- *BIOL 123 - Hawaiian Environmental Science (3)*
- *BIOL 124 - Environment and Ecology (3)*
- *BIOL 124L - Environment and Ecology Lab (1)*
- *BOT 101 - General Botany (3)*
- *BOT 101L - General Botany Lab (1)*
- *BOT/HWST 105 - Mea Kanu: Hawaiian Plants and their Uses (3)*
- *BOT 130 - Plants in the Hawaiian Environment (3)*
- *BOT 130L - Plants in the Hawaiian Environment Lab (1)*
- *CE 270*** - Applied Mechanics I (Statics) (3)*
- *CE 271*** - Applied Mechanics II (Dynamics) (3)*
- *EE 211*** - Basics Circuit Analysis I (4)*
- *EE 213*** - Basics Circuit Analysis II (4)*   *4-5*
- *EE 296*** - Sophomore Project (3)*
- *GEO 101 - The Natural Environment (3)*
- *GEO 101L - The Natural Environment Lab (1)*
- *GG 101 - Introduction to Geology (3)*
- *GG 101L - Introductory Geology Lab (1)*
- *GG 103 - Geology of the Hawaiian Islands (3)*
- *ICS 111 - Introduction to Computer Science I - Java (4)*
- *MICR 130 - General Microbiology (3)*
- *MICR 140L - General Microbiology Lab (2)*
- *OCN 201 - Science of the Sea (3)*
- *OCN 201L - Science of the Sea Lab (1)*
- *PHYS 151 - College Physics I (3)*
- *PHYS 151L - College Physics I Lab (3)*
- *PHYS 152 - College Physics II (3)*
- *PHYS 152L - College Physics II Lab (1)*
- *PHYS 274*** - General Physics III (3)*
- *ZOOL 101 - Principles of Zoology (4)*
- *ZOOL 200 - Marine Biology (3)*
- *ZOOL 200L - Marine Biology Lab (1)*

_____

4-5

MINIMUM CREDITS REQUIRED   **60**

*   A grade of "C" or higher must be earned in all program-required courses and science electives; minimum 2.0 GPA.

**   General Education Requirements for the AA degree are listed under *DEGREES AND CERTIFICATES*.

Liberal Arts Academic Subject Certificates

ASIAN STUDIES

Liaison: Patrick Patterson (845-9417, ppatters@hawaii.edu)

Description: Honolulu Community College offers students the opportunity to study the cultures of Asia in an interdisciplinary program leading to an Academic Subject Certificate in Asian Studies. This academic credential is included on student transcripts and can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Asia.

To receive this credential, the student must complete 30 credits of Asian Studies-related academic coursework. In addition, a student must show proficiency in an Asian language equivalent to or better than having finished the second semester of a first year college language course (i.e. JPN 102). A student can show proficiency through a transcript showing the student has finished the first year of an Asian Language course with a grade of "C" or higher, or by providing a certificate or letter showing the results of a placement test at a recognized university or college language testing facility. Native speakers of an Asian language can show proficiency by certifying their native speaker status. A grade of "C" or higher must be earned for all courses required in the certificate.

Requirements: Asian Studies Academic Subject Certificate *

General Education AA Foundation Requirements	ASC Credits
Written Communication	
ENG 100 - Composition (3)	*3*
Quantitative Reasoning	
MATH 100 - Survey of Mathematics (3)	
or MATH 115 - Introduction to Statistics and Probability (3)	
or MATH 135 - Precalculus: Elementary Functions (3)	
or MATH 140 - Precalculus: Trigonometry and Analytic Geometry (3)	*3-4*
or MATH 203 - Calculus for Business and Social Sciences (3)	
or MATH 241 - Calculus I (4)	
or PHIL 111 - Intro to Inductive Logic (3)	
Global and Multicultural Perspectives	
HIST 151 - World History to 1500 (3)	
HIST 152 - World History since 1500 (3)	*6*
REL 150 - Introduction to the World's Major Religions (3)	
	12-13

General Education AA Diversification Requirements	ASC Credits
Arts, Humanities, and Literatures	
ASAN 201 - Introduction to Asian Studies: East Asia (3)	*3*
ASAN 202 - Introduction to Asian Studies: South/South East Asia (3)	*3*
EALL 271 (ENG 271) - Japanese Literature in Translation (Traditional) (3)	
or EALL 272 (ENG 272) - Japanese Literature in Translation (Modern) (3)	*3*
or ENG 257M - Cross-Cultural Perspectives (3)	
ASAN 100 - Asian Perspectives (3)	*3*
Social Sciences	
ANTH 200 - Cultural Anthropology (3)	
or POLS 120 - Introduction to World Politics (3)	*3*
or SOC 212 - Introduction to the Sociology of Japan (3)	
	15

ASIAN STUDIES

ASAN

Electives: (Select 3 credits from the courses below)   **ASC Credits**

- *ASAN 250/ POLS 250 - Asian Politics Since 1900 (3)*
- *ASAN 296C - Asian Popular Culture (3)*
- *HIST 241 - Civilizations of Asia I (3)*
- *HIST 242 - Civilizations of Asia II (3)*
- *HIST 246 - The Vietnam War (3)*   *3*
- *PHIL 102 - Introduction to Philosophy: Asian Tradition (3)*
- *REL 203 - Understanding Chinese Religions (3)*
- *REL 204 - Understanding Japanese Religions (3)*
- *REL 207 - Understanding Buddhism (3)*

                                                                                                                             3

Minimum Credits Required: **30-31**

*   A grade of "C" or higher must be earned for all courses required in the certificate.

Note: Students must also show proficiency in an Asian language equivalent to or better than having finished the second semester of a second year college language course (i.e. JPN 202).

COMMUNICATION

LIAISON: Mitch Okamura (845-9470, mnokamur@hawaii.edu)

DESCRIPTION: Honolulu Community College offers its students the opportunity to study speech and interpersonal communication in a program leading to an Academic Subject Certificate in Communication. This academic credential is included on student transcripts and can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Speech and/or Communication.

To receive this credential, the student must complete courses in Speech. A grade of "C" or higher must be earned for all courses required in the certificate.

REQUIREMENTS: COMMUNICATION ACADEMIC SUBJECT CERTIFICATE *

Core Requirements	ASC Credits
SP 151 - Personal and Public Speech	3
SP 251 - Principles of Effective Public Speaking	3
	6

Electives	ASC Credits
Choose 6 credits from the following Electives:	
• SP 253 - Argumentation and Debate (3)	
• SP 290 - Interviewing (3)	6
• SP 170 - Introduction to Nonverbal Communication (3)	
• SP 181 - Introduction to Interpersonal Communication (3)	
	6

Minimum Credits Required: **12**

*   A grade of "C" or higher must be earned for all other courses required in the certificate.

PSYCHOLOGY

Liaison: Coty Gonzales (845-9252, coty@hawaii.edu)

Description: Honolulu Community College offers its students the opportunity to study Psychology in a program leading to an Academic Subject Certificate in Psychology. This academic credential is included on student transcripts and can be the first step toward employment in a variety of professional and academic fields related directly or indirectly to Psychology.

To receive this credential, students must complete Survey of Psychology, Survey of Research Methods, Statistical Techniques, and one course each from three of four Foundation areas: Experimental, Psychobiology, Developmental, and Social or Personality. In addition, students must complete one elective course in Psychology. A grade of "C" or higher must be earned for all courses required in the certificate

Requirements: Psychology Academic Subject Certificate *

Core Requirements	ASC Credits
PSY 100 - Survey of Psychology	3
PSY 212 - Survey of Research Methods	3
PSY 225 - Statistical Techniques	3
	9

One Course from three of four Psychology Foundation Areas:	ASC Credits
Experimental	
PSY 220 - Behavioral Psychology (3)	
Psychobiology	
PSY 230 - Introduction to Psychobiology (3)	
Developmental	9
PSY 240 - Developmental Psychology (3)	
Social or Personality	
PSY 250 - Social Psychology (3) or PSY 260 - Psychology of Personality (3)	
	9

Electives	ASC Credits
Choose 3 credits from the following Electives: (Elective courses may also include any Psychology course not taken to fulfill the Psychology Foundation Area requirement.)	3
• PSY 180 - Psychology of Work (3) • PSY 270 - Introduction to Clinical Psychology (3)	
	3

Minimum Credits Required:	**21**

* A grade of "C" or higher must be earned for all courses required in the certificate. At least 12 credits applied to the certificate must be completed at Honolulu Community College.

PSY PSYCHOLOGY

SUSTAINABILITY

Liaison: Cynthia Smith (845-9253, smithcyn@hawaii.edu)

Description: The Academic Subject Certificate in Sustainability requires a minimum 13 credits and maximum 15 credits, depending if students take lab classes. All courses must be Sustainability Focused (SF) to apply for certificate. Honolulu Community College currently offers a sufficient number and range of Sustainability Focused courses to provide an academically rigorous certificate. New courses are certified each academic year.

REQUIREMENTS: SUSTAINABILITY ACADEMIC SUBJECT CERTIFICATE

- 3 credits required in Natural Sciences

- 3 credits required in Hawaiian Studies

- 3 credits required from other disciplines (e.g. Humanities, Social Sciences, Language Arts, CTE programs)

- 3 credits – additional class from any of these three areas (this can also include an SF course from another UHCC campus)

- 1 credit – capstone experience

Some SF courses can be used to meet more than one of the categories (e.g. Humanities or Hawaiian Studies) but no course can be applied to two categories; in other words, a course counts only once in fulfilling certificate requirements.

The capstone component is 1 credit. There are three options:

* Research Projects. Students identify a research project and a faculty member who has experience teaching courses with any sustainability designation to oversee the work. These can be research projects related to an academic research topic, campus programs or campus operations.

* Service Learning Projects. Students create a service learning plan related to sustainability efforts on campus or in the community, and identify a faculty member to oversee the work.

* Internship. Students identify an internship commitment related to sustainability in Hawai'i, and a faculty member to oversee the work.

- All options require students to identify a faculty member to oversee their completion of the capstone experience. All three options must be approved either by the Sustainability Designation Review Committee or a Sustainability Coordinator.

- The 1 credit option will be pass/no pass; it will not be graded.

- Students must complete the capstone requirement after completing all other certificate requirements or during semester when last course requirement is taken.

Courses fulfilling S-Focus requirements can come from across the curriculum. Any course in the AA or AS degree curriculum can receive a Sustainability Focus designation, except for Foundations (FW, FQ, and FG) courses. Specific course sections are approved to receive an S-Focus designation by the Sustainability Designation Review Committee and are identified on the Honolulu CC website Class Availability link. S-Focus courses are designated with an S- before the course titles (e.g., GEO 101 S-The Natural Environment). The list of S Focus classes which can be applied to the ASC can be found on the College Sustainability site (https://www.honolulu.hawaii.edu/node/1784)

SUSTAINABILITY

SUSI

SUMMER ACTIVITIES

Summer Engineering Academy

Lawakua Cybersecurity Activity

Summer Auto Academy

Gen Cyber 2019

Kapolei H.S. Construction Academy visits

SPECIAL PROGRAMS & COURSES

APPRENTICESHIP & JOURNEYWORKER TRAINING

CONTINUING EDUCATION & TRAINING

COOPERATIVE EDUCATION

DISTANCE EDUCATION

EMERITUS COLLEGE

EXPERIMENTAL COURSES

FUJIO MATSUDA TECHNOLOGY TRAINING & EDUCATION CENTER

HONOLULU CC ENGLISH LANGUAGE LEARNER OPTIONS (HELLO)

JUMP START PROGRAM

LEARNING COMMUNITY

MARINE OPTION CERTIFICATE PROGRAM

PACIFIC CENTER FOR ADVANCED TECHNOLOGY TRAINING (PCATT)

PEARL HARBOR APPRENTICESHIP TRAINING

ROTC CLASSES

RUNNING START/DUAL ENROLLMENT

SERVICE LEARNING COURSES

SPECIAL STUDIES

SPECIAL PROGRAMS & COURSES
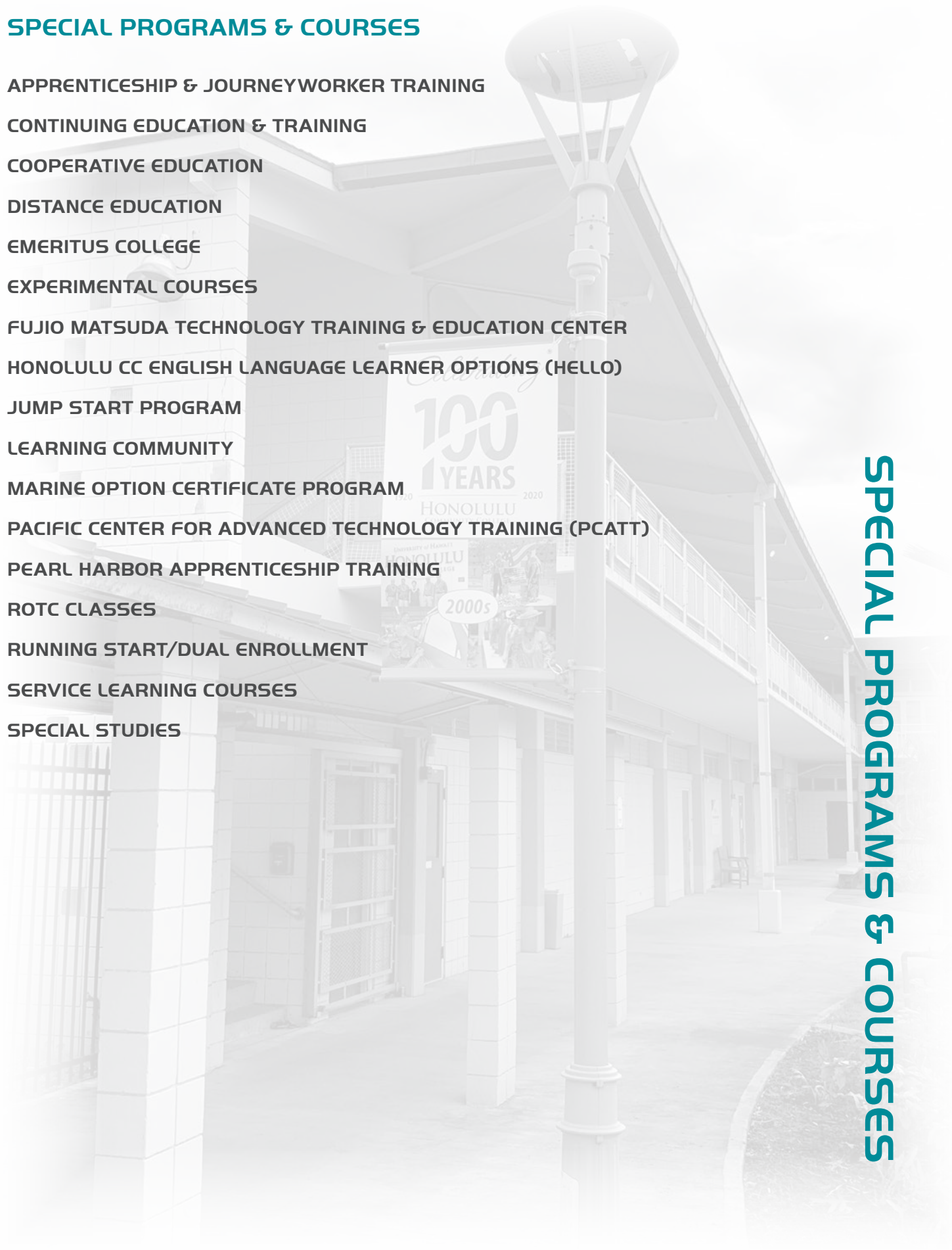
APPRENTICESHIP & JOURNEY WORKER TRAINING

COORDINATORS: James Niino (jniino@hawaii.edu)
Guy Shibayama (guyts@hawaii.edu)

PHONE: 845-9245
WEBSITE: *www.honolulu.hawaii.edu/apprenticeship*

The Apprenticeship Training program provides related instruction to those on Oʻahu who are apprenticing in various construction and mechanical trades. In addition, training opportunities may be offered to journey workers to upgrade their skills and obtain job-related certifications.

Upon completion of an approved apprenticeship program, work process and related instruction hours may be applied to an Associate degree. (See Applied Trades Program).

Courses are offered during weekday evenings and Saturday mornings in the following occupational areas:

Boilermaker	Drywall Taper	Painter
Bricklayer Mason	Electrician	Plasterer
Building Maintenance (Hotel Workers)	Elevator Constructor	Plumber
Carpenter	Fire Sprinkler Fitter	Refrigeration & Air Conditioning Fitter
Cement Finisher	Floor Layer	Roofer
Ceramic Tile Setter	Glazier	Sheet Metal Worker
City and County Water Supply	Heat/Frost Insulator & Allied Workers	Steam Fitter Welder
City and County Waste Water	Ironworker (Fabricator)	Telecommunications Installer/Technician
City and County Electrical Maintenance	Ironworker (Reinforcing Steel)	
Construction Craft Laborer	Ironworker (Structural)	
Drywall, Acoustic and Lathe Workers	Operating Engineer	

(See also Pearl Harbor Apprenticeship Training in this section)

COST OF TEXTBOOKS/SUPPLIES: Varies by apprenticeship program.

ADVISORY COMMITTEE:
Apprenticeship programs are guided by their individual Apprenticeship Committees. These committees identify the knowledge and skills needed in their career fields and specify on-the-job and classroom training requirements. Current Apprenticeship Committee membership lists are maintained by the State Department of Labor and Industrial Relations.

SPECIAL PROGRAMS & COURSES

CONTINUING EDUCATION & LIFELONG LEARNING

REGISTRATION AND INFORMATION: 845-9296
EMAIL: *honcet@hawaii.edu*
WEBSITE: *www.honolulu.hawaii.edu/cet*
ADDRESS: 874 Dillingham Blvd., Bldg. 2, Rm. 507

Continuing Education Staff: Emma Boc, Farah Doiguchi, Brandi Kadekaru, Rae Treinen

Continuing Education opportunities are available in a wide range of programs, courses, and services to meet the needs of business and industry as well as the community and special groups. Honolulu Community College has expertise in more than 25 specialty areas offered at the college. These topics can be delivered on-campus or on-site in short, flexible training units. Contracts can be arranged for customized training. Recent training delivered to businesses and organizations are as varied as business writing, marine welding, and introduction to Linux. Contact us and we will work with you to meet your training needs.

COST OF TEXTBOOKS/SUPPLIES: Varies, depending on the course.

COORDINATORS:
Farah Doiguchi, Emeritus College and Special Programs
Beryl Morimoto, Pacific Center for Advanced Technology Training/Computers and Technology
Cyndi Uyehara, Early Childhood Education
Preshess Willets-Vaquilar, Trades, Communications and Services Programs, New Initiatives
Jarret Yip, Summer School, Advanced Technologies, Special Programs

COOPERATIVE EDUCATION

LIAISON: Diane Caulfield (845-9413, dcaulfie@hawaii.edu)
WEBSITE: *www.honolulu.hawaii.edu/coop*
FACULTY: Diane Caulfield, Jeannie Shaw (Pearl Harbor, jeanshaw@hawaii.edu)

Photo by: Marshall Fukuki, U.S. Navy.

Cooperative Education provides students the opportunity to acquire on the job experience in conjunction with classroom and laboratory instruction. Cooperative Education is offered in both Career Technical Education and Liberal Arts areas. Written instructor approval is required for registration.

Cooperative Education is provided by Honolulu Community College and not by the officials of the field site. There is regular interaction between the Cooperative Education Coordinator and the student. Appropriate assignments, as determined by the Cooperative Education Coordinator, are required for completion of the course. A standard College grading system is utilized. Five hours per week or 75 hours of work per semester are required for each credit.

STUDENT LEARNING OUTCOMES: Upon completion of the Cooperative Education course, students will be able to:

1. Secure Job Placement. The student will obtain a position with a company that is related to his/her major and perform a minimum of 75 hours of work per semester for each credit. This learning outcome will be assessed by.

    a. Cooperative Education Student Application Form
    b. Resume, Cover letter, and list of potential employers
    c. Cooperative Education Agreement

2. Evaluate Personal Assessment. The student will demonstrate an understanding of personal abilities and skills with an awareness of the impact of abilities and skills on career development and academic achievement. This learning outcome will be assessed by:

   a. Mid Term Report
   b. Student Evaluation of Cooperative Education Experience
   c. Learning Outcome Paper(s)

3. Demonstrate Job Performance. As part of a team, the student will perform all duties required at the cooperative education work site, demonstrating positive work habits and using appropriate procedures, tools and equipment, consistent with all applicable standards and OSHA regulations. This learning outcome will be assessed by:

   a. Student Time Sheet
   b. Employment Supervisor's Evaluation of Cooperative Education

COOPERATIVE CAREER TECHNICAL EDUCATION will provide the student with the opportunity to acquire an on-the-job experience in conjunction with classroom and laboratory instruction. The relevance of classroom instruction to the real world is emphasized. The Cooperative Education Employer pays a fair wage for each hour of work performed in the program.

Courses available in Cooperative Career Technical Education are ABRP 93V, AEC 193V, AERO 93V, AJ 193V, AMT 93V, APTR 193V, CA 193V, CARP 93V, CSNT 290V, CSNT 293V, COSM 93V, DISL 93V, EIMT 93V, FIRE 193V, FT 93V, FT 193V, MARR 93V, OESM 193V, RAC 93V, SMP 93V, and WELD 93V. Students can enroll 4 times for credit up to a maximum of 12 credits.

Students accepted in a Federal Cooperative Education program, such as the Pearl Harbor Apprenticeship Program, may receive up to 12 credits in WORK 194V (WORK 194V is repeatable for credit with instructor approval). During the Work Cycle, students are assigned work experiences related to academic studies or career goals. Courses available in Cooperative Career Technical Education for the Pearl Harbor Apprenticeship Program Applied Trades A.A.S. degree are: AMST 202, ENG 100, IEDD 101, MATH 50, MATH 150, PHYS 105P, PSY 180, SP 251, and WORK 194V.

COOPERATIVE ARTS AND SCIENCES EDUCATION will provide practical work experience in specific liberal arts areas to investigate various types of jobs. Students are placed in employment situations in the private and public sectors of the business-industrial community. Emphasis is on job experience, but equal importance is attached to the development of social and personal habits, attitudes, and skills which are essential for job entry and advancement.

Courses available in Cooperative Arts and Sciences Education are HUM 193V, SCI 193V, and SSCI 193V which carry 1–4 credits per term. Students may enroll 4 times for a maximum of 12 credits. These courses do not fulfill General Education requirements for the A.S. degree nor do they fulfill A.A. core requirements.

DISTANCE EDUCATION

COORDINATOR: TBD
WEBSITE: *www.honolulu.hawaii.edu/distance*

Courses for credit may be taken from the convenience of home through online course offerings, thereby reducing or eliminating the need to be on campus. Distance education instructors use a variety of media to communicate with the student. Students enrolled in a Distance Education course must email their instructor by the end of the first day of the semester.

Students must have high-speed Internet access, laptop or desktop computer, up-to-date web browser (like Firefox or Safari), PDF reader software, and word processing software. Students should also have basic computer proficiency skills including word processing and file uploading/downloading to and from the Internet. Students must use their UH email account to communicate with their instructor. Interaction between student and faculty is primarily via Laulima *(www.laulima.hawaii.edu)* and email. Please refer to *www.honolulu.hawaii.edu/distance* for information and assistance.

EMERITUS COLLEGE

COORDINATOR: Farah Doiguchi
INFORMATION & REGISTRATION: 845-9296
EMAIL: honcet@hawaii.edu
WEBSITE: *pcatt.org/emeritus*
INSTRUCTORS: Stephen Chang, Eugene Kawamata, Keiko Nakajo, Greg Noji, Muriel Seo, Myron Yamashiro, Ed Yonemoto, Marion Yuen

The Emeritus College offers a wide-range of Continuing Education workshops in the area of electronic computerized education for adult learners age 55 and above. The Program, led by a Team of skilled volunteer instructors, accommodates both first-time users with little or no experience, as well as computer-savvy individuals who are interested in learning new skills. Workshops are held in the comfort of the Emeritus College Computer Lab, which boasts 23-inch monitors that feature cutting-edge touch technology. Course offerings include workshops that familiarize participants with introductory computer skills, such as Windows 10 and Microsoft Edge, and a variety of Specialty-type courses including the popular iPhone/iPad Basics class. Emeritus Club Members receive exclusive benefits that include access to the Open Computer Lab and the members-only iPhone/iPad App Club.

EXPERIMENTAL COURSES

Experimental courses are provisional courses offered on a trial basis, and are designated by the numbers 97, 98, 197, 198, 297, 298, 397, or 398. An experimental course can be offered for up to two years and shall expire after the two years unless a request to extend the course or grant permanent status has been approved. An experimental course may or may not be transferable.

FUJIO MATSUDA TECHNOLOGY TRAINING & EDUCATION CENTER

LIAISON: TBD (845-9187)

The Fujio Matsuda Technology Training and Education Center at Honolulu CC provides leadership and training in advanced technologies, such as in applied engineering, robotics and social media, while providing opportunities to partner with businesses for early stage entrepreneurship idea development. Its goal is to enhance the knowledge base of such advanced technology with students, faculty and staff, and the surrounding community.
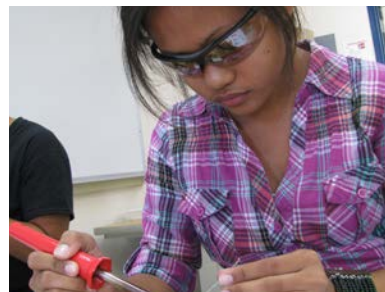
HONOLULU CC ENGLISH LANGUAGE LEARNER OPTIONS (HELLO)

LIAISON: Continuing Education Office
(845-9296, Building 2-507, honcet@hawaii.edu)
WEBSITE: *www.honolulu.hawaii.edu/hello*
FACULTY: Sharyn Klafehn

HELLO non-credit courses at two different levels are designed to help resident immigrants improve their language skills for college and/or work. Instruction in reading/vocabulary, writing/grammar, and listening/speaking is provided 15 hours weekly for 7 weeks.

JUMP START PROGRAM

LIAISON: Melodee Kawano
(845-9177, mhimuro@hawaii.edu, Building 6)
WEBSITE: *www.uhcc.hawaii.edu/jumpstart*

The goal of this program is to provide public high school seniors early access to career/technical education opportunities on a community college campus. Students will be enrolled at Honolulu Community College full-time and take coursework that meets the requirements for a two-year Career and Technical college degree as well as their high school diploma. Student's apply at their high school during their junior year. More details are available at: *www.uhcc.hawaii.edu/jumpstart*

LEARNING COMMUNITY

LIAISON: Ina Miller-Cabasug (844-2353, inamc@hawaii.edu)
WEBSITE: *www.honolulu.hawaii.edu/lc*

A Learning Community (LC) is the linking of two or more courses to encourage collaborative learning. Students and faculty become an 'Ohana that work closely together to foster a deeper mutual understanding of course content, and create an enhanced classroom learning environment that is more engaging academically and socially.

BENEFITS OF BEING A PART OF A LEARNING COMMUNITY: Students work closely with their classmates and develop lasting friendships. LC students complete courses and persist at a higher rate than students not in LC. LC students are more likely to become involved in organized activities and to talk informally with other students.

LEARNING COMMUNITY CLASSES: The Learning Community courses are co-requisites and must be taken during the same term. Students will not be able to take one course without the other.

For more information about the Learning Community contact Ina Miller-Cabasug (844-2353, inamc@hawaii.edu).

MARINE OPTION CERTIFICATE PROGRAM

LIAISON: Michelle Nathan (844-2316, mhw@hawaii.edu)

WEBSITE: *www.hawaii.edu/mop/site/*

Honolulu CC also participates in a System-wide undergraduate Marine Option Certificate Program (MOP). This program is designed to combine academic requirements with practical hands-on experience. MOP is open to any student regardless of major. Program requirements are: nine credits of course work in marine-related fields and a 2 credit- based marine skill project. Contact the program liason for more information.

PACIFIC CENTER FOR ADVANCED TECHNOLOGY TRAINING (PCATT)

DIRECTOR: TBD
PHONE: 845-9296
EMAIL: *pcatt@hawaii.edu*
WEBSITE: *www.pcatt.org*
PCATT STAFF: Jasper Green, Monir Hodges, Sun Kim, Wayne Lewis, Beryl Morimoto, Reid Nakaichi, Germaine Tsukamoto, Preshess Willets-Vaquilar, Jarret Yip

The Pacific Center for Advanced Technology Training (PCATT) is a consortium of the University of Hawai'i Community Colleges headquartered at Honolulu Community College. The mission of PCATT is to provide leadership and training in advanced technologies to enhance economic and workforce development programs and initiatives in the State of Hawai'i and Pacific Rim. Industry partnerships with Cisco, Microsoft, Oracle, and VMware provide certified, leading edge training in advanced technologies. Training in 3D printing, virtualized welding, mobile applications, and green technologies illustrate the breadth of expertise beyond IT. PCATT also offers customized training with regard to content and schedule.

Policy and Oversight Board:

Randall Cieslak, United States Pacific Command

Brook Conner, Office of Information Technology Services, Hawaii State Department of Education

Alan Ito, Hawaii Pacific Health

Mark Loughridge, Foundation 9 Entertainment

Christine Lanning, Integrated Security Technologies

Robbie Melton, Office of Economic Development, County of Kauai

Shawn Reese, General Dynamics & Kauai Economic Development Board

Doug Simons, Canada France Hawaii Telescope

Sam Sneed, ES&A Inc., A Law Corporation

Isla Young, K12 STEM Education and Women in Technology & Maui Economic Development Board

PCATT Professional Test Center

COORDINATOR: Rae Treinen
PHONE: 845-9296
EMAIL: *honcet@hawaii.edu*
WEBSITE: *pcatt.org/about*
The PCATT Professional Test Center offers services for professional and high stakes certification, licensure, and pre-employment screening for:

PEARSON VUE TESTING CENTER:
https://home.pearsonvue.com

PSI EXAMS:
https://candidate.psiexams.com

KRYTERION
https://www.kryteriononline.com

PROV
https://www.provexam.com

PEARL HARBOR APPRENTICESHIP TRAINING

COORDINATOR PEARL HARBOR EDUCATION:
Jeannie Shaw (845-9482 or 295-6893, jeanshaw@hawaii.edu)
WEBSITE: *https://acep.hawaii.navy.mil*
APPLICATION WEBSITE: *www.usajobs.gov*
(Pearl Harbor Apprenticeship positions are posted each year at www.usajobs.gov. The postings vary each year. Pearl Harbor Shipyard will advertise when positions are available.)

The primary purpose of the Pearl Harbor Naval Shipyard (PHNSY) Apprenticeship Program is to provide highly skilled journey workers and future leaders in government. Apprenticeships are available periodically as determined by employment needs.

PHNSY apprentices receive well-rounded academic study through Honolulu Community College held at the Pearl Harbor Naval Shipyard Training Facility, and paid structured work experience at the Shipyard which is applied toward an Associate in Applied Science (A.A.S.) degree. See Applied Trades.

Photo by: Kristin Ching, U.S. Navy.

PROFESSIONAL AND CAREER EDUCATION FOR EARLY CHILDHOOD (PACE)

COORDINATOR: Cyndi Uyehara (845-9496)
EMAIL: *pacehon@hawaii.edu*
WEBSITE: *https://www.honolulu.hawaii.edu/pace*

The Early Childhood option includes a non-credit program, PACE (Professional and Career Education for Early Childhood). PACE Workshops are geared to meet training and enrichment needs of early childhood practitioners on Oʻahu. These workshops may be used for CDA teacher training hours, DHS training hours, and when converted to credit may be used towards the Associate Degree in ECE.

ROTC CLASSES

ARMY ROTC: 956-7744, *www.hawaii.edu/armyrotc*
AIR FORCE ROTC: 956-7734, *www.hawaii.edu/aerospace*

Students have the convenience of registering for UH Mānoa Army ROTC (Reserve Officer Training Corps) and Air Force ROTC classes through Honolulu Community College. 100 and 200 level courses are available.

ROTC is an elective curriculum taken along with required college classes and students receive classroom instruction and field training to conduct missions as an Officer. ROTC offers many different scholarship opportunities for students.

COURSES:
Army ROTC - Military Science and Leadership (MSL)
Air Force ROTC - Aerospace Sciences (AS)

RUNNING START

Honolulu CC Counselor: Jean Maslowski (845-9278, maslowsk@hawaii.edu)
Website: *www.hawaii.edu/runningstart*

Running Start is a statewide program that provides an opportunity for academically qualified public high school juniors and seniors to enroll in college classes through the University of Hawai'i system and earn both high school and college credits. This program is a unique partnership between the Department of Education and eight UH campuses (UH Hilo, Hawai'i CC, UHWO, Honolulu CC, Kapi'olani CC, Kaua'i CC, Leeward CC, Maui CC and Windward CC). Running Start can provide enriching educational options for talented and motivated high school students.

SERVICE LEARNING COURSES

Some courses offer a service learning option. Service-Learning is a teaching and learning strategy that integrates meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and strengthen communities.

Service Learning:

- Is a method whereby students learn and develop through active participation in thoughtfully organized service that is conducted in and meets the needs of communities;

- Is coordinated with an elementary school, secondary school, institution of higher education, hospitals or community service program/agency and the community;

- Helps foster civic responsibility;

- Is integrated into and enhances the academic curriculum of the students, or the education components of the service programs in which the participants are engaged in; and,

- Provides structured time for students or participants to reflect on the service experience.

SPECIAL STUDIES

99V/199V/299V/399V Special Studies Classes (1–4 credits)

Special Studies classes offer students with special interest and abilities in subject areas an opportunity to meet with faculty members to discuss and investigate topics of particular interest. Problems and unit credit are worked out with and at the discretion of the instructor. Special Studies sections will be organized as needed in each department and identified by the discipline departmental name e.g., POLS 199V.

HAPPY BIRTHDAY HONOLULU COMMUNITY COLLEGE

On February 27th, Honolulu Community College kicked off their 100th anniversary party on the school mall with cupcakes, ice cream, coffee, activities & music.

COURSE DESCRIPTIONS

ACC	ACCOUNTING	EALL	EAST ASIAN LANGUAGE & LITERATURE	MSL	MILITARY SCIENCE & LEADERSHIP
AJ	ADMINISTRATION OF JUSTICE	ECED	EARLY CHILDHOOD EDUCATION	MUS	MUSIC
AERO	AERONAUTICS MAINTENANCE TECHNOLOGY	ECON	ECONOMICS	MELE	MUSIC & ENTERTAINMENT LEARNING EXPERIENCE
AS	AEROSPACE STUDIES	EIMT	ELECTRICAL INSTALLATION & MAINTENANCE TECHNOLOGY	OESM	OCCUPATIONAL & ENVIRONMENTAL SAFETY MGT.
AG	AGRICULTURE	ENG	ENGLISH		
ASL	AMERICAN SIGN LANGUAGE	ESL	ENGLISH AS A SECOND LANGUAGE	OCN	OCEANOGRAPHY
AMST	AMERICAN STUDIES			PHIL	PHILOSOPHY
ANTH	ANTHROPOLOGY	FT	FASHION TECHNOLOGY	PHYS	PHYSICS
APTR	APPLIED TRADES	FIRE	FIRE & ENVIRONMENTAL EMERGENCY RESPONSE	PHYL	PHYSIOLOGY
AEC	ARCHITECTURAL, ENGINEERING & CAD TECHNOLOGY	FSHN	FOOD SCIENCE & HUMAN NUTRITION	POLS	POLITICAL SCIENCE
				PSY	PSYCHOLOGY
ART	ART	GEO	GEOGRAPHY & ENVIRONMENT	RAC	REFRIGERATION & AIR CONDITIONING TECHNOLOGY
ASAN	ASIAN STUDIES	GG	GEOLOGY & GEOPHYSICS		
ASTR	ASTRONOMY			REL	RELIGION
ATMO	ATMOSPHERIC SCIENCES	HAW	HAWAIIAN	SCI	SCIENCE
ABRP	AUTO BODY REPAIR & PAINTING	HWST	HAWAIIAN STUDIES	SMP	SHEET METAL & PLASTICS TECHNOLOGY
AMT	AUTOMOTIVE TECHNOLOGY	HIST	HISTORY	MARR	SMALL VESSEL FABRICATION & REPAIR
		HDFS	HUMAN DEVELOPMENT & FAMILY STUDIES		
BIOC	BIOCHEMISTRY	HSER	HUMAN SERVICES	SSCI	SOCIAL SCIENCES
BIOL	BIOLOGY	HUM	HUMANITIES	SOSE	SOCIAL SERVICES
BLPR	BLUEPRINT READING	ICS	INFORMATION & COMPUTER SCIENCE	SW	SOCIAL WORK
BOT	BOTANY			SOC	SOCIOLOGY
BLAW	BUSINESS LAW	IS	INTERDISCIPLINARY STUDIES	SPAN	SPANISH
CARP	CARPENTRY TECHNOLOGY	JPN	JAPANESE	SP	SPEECH
CHEM	CHEMISTRY	JOUR	JOURNALISM	THEA	THEATRE
CHN	CHINESE	KLS	KINESIOLOGY & LEISURE SCIENCE	WELD	WELDING TECHNOLOGY
CE	CIVIL ENGINEERING			WS	WOMEN'S STUDIES
CA	COMMUNICATION ARTS	KOR	KOREAN	WORK	WORK CYCLE
CSNT	COMPUTING, SECURITY, & NETWORKING TECH.	LSK	LEARNING SKILLS	ZOOL	ZOOLOGY
COSM	COSMETOLOGY	LING	LINGUISTICS		
DISL	DIESEL MECHANICS TECHNOLOGY	MATH	MATHEMATICS		
		MICR	MICROBIOLOGY		

COURSE DESCRIPTIONS

This section provides course descriptions for all credit courses offered at Honolulu Community College. Courses are listed alphabetically according to discipline, with the exception of Special Studies and Experimental Courses which are described in *SPECIAL PROGRAMS & COURSES*. The first line in the course description identifies the **Course Alpha** (an abbreviation of the subject area), **Course Number**, **Course Title**, number of **Credits** (in parentheses), and **General Education Code**. Additional lines provide any **Course Requirement(s)** for enrollment, the **Course Description**, and **Hours**. Courses may not be offered every semester or every academic year. A schedule of courses offered each semester may be found on the Honolulu CC website (*www.honolulu. hawaii.edu)* Class Availability link. Further details are provided below.

Course Number:

NUMBERING SYSTEM FOR COURSES:

1-99 For classes numbered 1-99, credits generally do not transfer to baccalaureate degree colleges, but are transferable within the UH Community College System and may fulfill requirements for Certificates of Achievement, Competence, and Completion.

100-399 For classes numbered 100-399, credits are eligible for transferred to baccalaureate degree institutions including campuses within the University of Hawai'i System. (Transfer is subject to receiving institution's program requirements, therefore students are advised to plan accordingly as early as possible.)

COURSE NUMBERS THAT CONTAIN LETTERS:

CHEM 100L – "L" is a laboratory class that is companion to a lecture course bearing the same number. In this example, CHEM 100 is the lecture course.

ENG 257H – "H" is a variation of a course. Course numbers followed by an alpha suffix such as B-K, M-U, and, X-Z, are variations of a course, each having a distinctive content such that students may earn credit for each variation taken.

SCI 193V – "V" is a variable credit course. The number of credits is approved by the instructor prior to registration.

General Education Codes for AA Degree Requirements:

Courses that fulfill Foundation and Diversification requirements for the Associate in Arts (AA) Degree are identified by the following General Education Codes in the Course Descriptions. For lists of Foundation and Diversification courses, see *LIBERAL ARTS DEGREE*. The Honolulu CC Registration Guide website *(www. honolulu.hawaii.edu/registration)* lists Diversification and Foundation classes offered each semester.

AA DEGREE FOUNDATION REQUIREMENTS:

- FG - Global & Multicultural Perspectives (Group A, B, C)
- FQ - Quantitative Reasoning
- FW - Written Communications

AA DEGREE DIVERSIFICATION REQUIREMENTS:

ARTS, HUMANITIES & LITERATURE	NATURAL SCIENCES	SOCIAL SCIENCES
• DA - The Arts	• DB - Biological Sciences	• DS - Social Sciences
• DH - Humanities	• DP - Physical Sciences	
• DL - Literature & Language	• DY - Natural Science Lab	

Select course sections that fulfill Focus requirements for the Associate in Arts (AA) Degree are identified by the following codes in the Honolulu CC Registration Guide website *(www.honolulu.hawaii.edu/registration) each semester.*

AA DEGREE FOCUS REQUIREMENTS:

Focus Code	Course Title Code	Focus Description
HAP	H-	Hawaiian, Asian and Pacific Issues
HETH	HCC-E-	Contemporary Ethical Issues
WI	WI-	Writing Intensive

Course Requirements:

Some courses require that students meet certain conditions in order to be eligible to enroll. Explanations of the most common of these requirements follow. Additional requirements are listed as comments in the Catalog and on the Honolulu CC website Class Availability link. In exceptional cases, students may be able to enroll in a course even though their computerized record does not show that they meet a required condition. For questions regarding courses, qualifications to meet the prerequisites, co-requisites, etc., and special reasons for exceeding limits, students should see the instructor.

PREREQUISITE: Courses or other background that must be completed prior to enrollment. Prerequisites are REQUIRED for registration. Equivalent courses may also meet requirements (see *CREDITS, GRADES & EXAMINATIONS* for transfer and placement information). If the prerequisite is in ESL; ENG; or MATH, see the *ENGLISH, ESL* or *MATH SEQUENCE CHARTS* for more information on placement. Courses with higher numbers than the stated prerequisite are usually acceptable unless otherwise stated in the Catalog.

PREREQUISITE OR CO-REQUISITE: Courses that must be taken EITHER before the course or during the same term. REQUIRED for registration.

CO-REQUISITE: Courses that must be taken during the same term. REQUIRED for registration.

RECOMMENDED PREPARATION (RECOMMENDED PREP): Courses or other background recommended for success in a course.

INSTRUCTOR APPROVAL REQUIRED: Courses that require a signed Instructor Approval Card prior to registration. REQUIRED for registration.

MAJORS ONLY: Courses that are restricted to declared majors, and usually those who have met program prerequisites. REQUIRED for registration.

Course Description Definitions:

CROSS-LISTING: Courses with the same content and which meet the requirements of different disciplines/programs. The course number is usually the same, but the course alphas are different. Example: ASAN 241 and HIST 241 Civilizations of Asia. Unless otherwise specified, cross-listed courses count as repeats of one another.

REPEATABLE: Courses that may be taken again after the first successful completion. If the course can be repeated for additional credit, credits will appear on official transcripts up to the limit listed in the course description. Example: "Students may enroll 3 times for a maximum of 9 credits". Students will not be permitted to exceed the credit limit at registration. Also see *REPEATING A COURSE.*

CREDIT/NO-CREDIT (CR/N): Courses that are graded on the CR/N system will appear as "Satisfactory Completion" or "No Grade" on transcripts, and grade points will not be computed. Some courses allow students to choose between the CR/N and Letter Grade systems.

HOURS: Course hours are expressed according to the time frame in which the course is most commonly offered (For example, hours per week, hours per term or total hours in an 8-week period). Hours specified are weekly unless otherwise stated. The same course may be offered in several different formats, e.g. ENG 100 is offered 3 hours per week for a Fall/Spring term, 48 hours condensed into 6 weeks for a Summer term, and 10 weeks for an Off-Campus Education Program term.

More Course Options:

Courses may also be offered with the following options that are identified on the Honolulu CC website (*www.honolulu.hawaii.edu)* Class Availability link.

- **COOPERATIVE EDUCATION COURSES:** provide on the job experience in conjunction with classroom and laboratory instruction. (See also *COOPERATIVE EDUCATION*.)

- **DISTANCE EDUCATION COURSES:** offer delivery options including cable, online, and a combination of both. Distance Education courses are identified with Room designations "CABLE" or "WWW" in the Honolulu CC Class Availability website. (See also *DISTANCE EDUCATION*.)

- **LEARNING COMMUNITY COURSES:** provide shared learning support for 1st year students by combining two or more courses with a common cohort of students. (See also *LEARNING COMMUNITY.*)

- **SERVICE LEARNING COURSES:** combine service to the community with student learning. (See also *SERVICE LEARNING COURSES*.)

ACCOUNTING (ACC)

ACC 201 Intro to Financial Accounting (3)
Prerequisite: Placement in ENG 100
An introduction to accounting principles and practices used to record and communicate financial information. Analyze methods for valuing assets, liabilities, and equity of an organization. (3 hrs. lect. per week)

ACC 202 Intro to Managerial Accounting (3)
Prerequisite: "C" or higher in ACC 201
An introduction to managerial accounting methods for evaluating performance including cost accounting, budgeting, break-even analysis, ratio analysis, standard cost systems, and reporting for internal decision making. (3 hrs. lect. per week)

ADMINISTRATION OF JUSTICE (AJ)

AJ 101 Introduction to Administration of Justice (3)
Prerequisite: Placement in ENG 100
This is a comprehensive course on crime and its causes including the history and philosophy of the administration of justice in America, the development of the criminal justice system, identification of the various subsystems, role expectations and their interrelationships. Theories of crime, punishment, adjudication and rehabilitation and training for professionalism in the entire system are also explored. (3 hrs. lect. per week)

AJ 103 Criminal Investigation (3)
Prerequisite or Co-requisite: AJ 101
This course covers the basic principles of criminal investigation including: the human aspects of dealing with the public, case preparation, the collection and preservation of physical evidence, crime scene search, fingerprinting, casts, photographs and laboratory assistance. (3 hrs. lect. per week)

AJ 137 Patrol Procedures (3)
Prerequisite or Co-requisite: AJ 101
This course will cover the duties and responsibilities of the patrol divisions of law enforcement agencies. The organization, operation and effectiveness of patrol will be examined and evaluated. The student will become familiar with the various methods departments use to accomplish the patrol mission such as team policing, beat plans and unique solutions like bicycles, all terrain vehicles and aircraft. (3 hrs. lect. per week)

AJ 138 Criminal Justice System Reports and Communications (3)
Prerequisite or Co-requisite: AJ 101
This course will introduce the student to the methods of producing accurate, concise and detailed reports, the processing and the study of communications common to the administration of justice practitioner. This course will involve critical thinking and evaluative writing. (3 hrs. lect. per week)

AJ 139 Computer Application in Criminal Justice (3)
Prerequisite or Co-requisite: AJ 101
The student will become familiar with the modern technological advances and applications of the computer relative to investigation, record keeping, crime analysis, trends and patterns. The importance and significance of statistics is stressed and computer aided dispatch is examined. (3 hrs. lect. per week)

AJ 150 Correctional Process (3)
Prerequisite or Co-requisite: AJ 101
Provides an overview of the historical development of corrections and the philosophy of punishment. Current correctional institutions such as prisons, detention facilities, and community-based programs and their management and effectiveness will be examined. (3 hrs. lect. per week)

AJ 180 Introduction to Homeland Security (3)
Prerequisite or Co-requisite: AJ 101
This course provides a history of terrorism, focusing on the terrorists, their motivations and ideologies, and how they operate and execute terrorist attacks. The course examines the current responses to domestic and international terrorism along with analyzing future trends within the global war on terrorism. The course will discuss the theoretical perspectives of terrorism within criminology, criminal justice, sociology, and psychology. The course will present the use of the Internet, improvised explosives, and religious extremism found within modern terrorism. (3 hrs. lect. per week)

AJ 193V Cooperative Education (1–4)
Prerequisite: Placement in ENG 100
Instructor approval required.
AJ majors only
This course provides students with the opportunity to acquire on-the-job experience related to classroom instruction in Administration of Justice. Students may enroll 4 times for a maximum of 12 credits. Four (4) credits can be applied to AJ elective requirements. (5 hours work experience per week per credit)

AJ 200 Principles of Hawaiʻi Justice System (3)
Prerequisite or Co-requisite: AJ 101
This course provides an examination of the basic Fourth, Fifth, and Sixth Amendment procedural principles that govern the interaction of the police and suspects in the investigation of crime. Beginning with the initial encounter, the course will examine the constitutional guidelines developed to regulate police behavior in the areas of investigatory stops, searches and seizures, arrests, interrogations, *Miranda*, and electronic surveillance. The effects of failing to follow these judicially mandated guidelines will also be explored. (3 hrs. lect. per week)

AJ 208 Criminology (3)
Prerequisite or Co-requisite: AJ 101
The course will explore theories of crime causation, its measurement and impact, and overall societal reaction to crime and offenders. The focus is the exploration of possible programs and policies to achieve a

ACC

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - AERO

combination of crime reduction and social justice. May be taken on a CR/N basis. (3 hrs. lect. per week)

AJ 210 Juvenile Justice (3)
Prerequisite or Co-requisite: AJ 101
This course provides the administration of justice student with a basic and practical understanding of the legal principles involved in juvenile delinquency problems. Analysis of legislative and judicial responses to juvenile behavioral problems provide realistic and meaningful insights into the functioning of the juvenile justice processes. (3 hrs. lect. per week)

AJ 220 Constitutional Law (3)
Prerequisite or Co-requisite: AJ 101
This course provides an overview of the development of the doctrines of federalism, separation of powers, and checks and balances theories as well as judicial review. Specific topics include sources of federal legislative power, commerce, taxing, spending, presidential and military powers, power of states to regulate and tax interstate commerce, preemption, the due process clause of the Fourteenth Amendment, equal protection, and First Amendment rights. Selected Supreme Court cases interpreting the U.S. Constitution are also examined. (3 hrs. lect. per week)

AJ 221 Criminal Law (3)
Prerequisite or Co-requisite: AJ 101
This course examines society's control of unwanted behavior through law. The particular focus is on the general principles of substantive criminal law. Topics include principles of criminal liability - *actus reus, mens rea*, causation, uncompleted crimes, and criminal defenses. General elements of crimes are covered including crimes against persons, habitation, property, and public order and morals. Applicable provisions of the Hawai'i Penal Code will also be discussed. (3 hrs. lect. per week)

AJ 224 Rules of Evidence (3)
Prerequisite or Co-requisite: AJ 101
This course is a thorough study of evidence rules with specific emphasis on the application of these rules in preparing and presenting evidence. This includes a discussion of the history and approach to the study of evidence, proof by evidence and substitutes. General admissibility tests, evidence by witness testimony, documents and real evidence are examined. (3 hrs. lect. per week)

AJ 230 Principles of Police Supervision (3)
Prerequisite or Co-requisite: AJ 101
This course will cover such essentials as the function of the supervisor in organization and management, elements of leadership, the training function, instructional process, personnel evaluation systems, and personnel complaint investigation and techniques. (3 hrs. lect. per week)

AJ 233 Police Organization and Management (3)
Prerequisite or Co-requisite: AJ 101
The principles of organization and administration in the law enforcement community are examined along with such topics as organizational structures, managerial philosophies, personnel issues and leadership. (3 hrs. lect. per week)

AJ 234 Police and Community Relations (3)
Prerequisite or Co-requisite: AJ 101
This course acquaints the student with the role of law enforcement in government and the critical importance of effective community relations. The dynamics of race relations and other current social problems directly related to the law enforcement community are explored. This course focuses on attitudes of the public and the law enforcement officer, why these attitudes exist and what can be done to improve the situation. (3 hrs. lect. per week)

AJ 235 Ethics in the Criminal Justice System (3)
Prerequisite or Co-requisite: AJ 101
An identification and analysis of the diverse ethical issues encountered in the Criminal Justice System. Traditional ethical theories will be examined and applied to such topics as discretion, plea bargaining, bail, wiretapping, privacy, punishment, and prisoners' rights. (3 hrs. lect. per week)

AJ 280 Current Issues in the Administration of Justice (3)
Prerequisite or Co-requisite: AJ 101
This course is an exploration of issues related to the study of the administration of justice. Students will define, select, research, and examine these issues, then discuss the various viewpoints thereby conducting a thorough probe of important and controversial issues facing the justice professions. (3 hrs. lect. per week)

AJ 283 Substance Abuse in Society (3)
Prerequisite or Co-requisite: AJ 101
This course covers the historical development of drug enforcement in relation to changing social mores. Emphasis is placed on the detection and identification of illegal drugs and their suppression through enforcement and investigation. Tactics of enforcement will be presented along with a study of pertinent statutory and case law. The effects of rehabilitation and treatment will be explored. May be taken on a CR/N basis. (3 hrs. lect. per week)

AERONAUTICS MAINTENANCE TECHNOLOGY (AERO)

AERO 93V Cooperative Education (1-4)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25 OR Placement in MATH 103
Instructor approval required.
AERO majors only.
This course provides students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Aeronautics Maintenance. Students may enroll 4 times for a maximum of 12 credits. (5 hrs. of work experience per week per credit)

AERO

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

AERO 130 General Aircraft Maintenance I (7)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 103
Co-requisite: AERO 131
AERO majors only.
Blueprint reading, mechanical drawing, non-destructive testing, basic heat treating, aircraft ground handling, cleaning and corrosion control, fundamentals of applied mathematics, use of technical manuals and other maintenance functions as specified by Federal Aviation Regulation Part 147.
(250 hrs. lect./lab. over 8 weeks)

AERO 131 Advanced General Aircraft Maintenance II (7)
Prerequisite or Co-requisite: "C" in AERO 130
AERO majors only.
Fundamentals of direct and alternating current electricity, and fundamentals of applied physics; calculate and measure electrical power volts, amps, and resistance; use electrical diagrams; perform weight and balance operations in accordance with Federal Aviation Regulation Part 147.
(250 hrs. lect./lab. over 8 weeks)

AERO 132 Powerplant Maintenance I (7)
Prerequisite: "C" in AERO 130 and in 131
Co-requisite: AERO 133
AERO majors only.
Fundamentals of piston engine construction and operation and basic powerplant indicating systems; inspect and repair opposed and radial piston engines; perform powerplant inspections; inspect engine indicating systems as specified by Federal Aviation Regulation Part 147. (250 hrs. lect./lab. over 8 weeks)

AERO 133 Airframe Maintenance I (7)
Prerequisite: "C" in AERO 130 and in 131
Co-requisite: AERO 132
AERO majors only.
Principles of aircraft sheetmetal structures; identification of aircraft fasteners, aircraft sheetmetal layout and fabrication; install special rivets and fasteners; inspect and repair sheetmetal structures; fabricate tubular structures and other aircraft structural maintenance functions as specified by Federal Aviation Regulation Part 147.
(250 hrs. lect./lab. over 8 weeks)

AERO 134 Powerplant Maintenance II (7)
Prerequisite: "C" in AERO 130 and in 131 and in 132
Co-requisite: AERO 135
AERO majors only.
Fundamentals of turbine engine construction and operation, piston and turbine engine fuel metering systems; inspect and service turbine engines, repair engine fuel metering components as specified in Federal Aviation Regulation Part 147.
(250 hrs. lect./lab. over 8 weeks)

AERO 135 Airframe Maintenance II (7)
Prerequisite: "C" in AERO 130 and in 131 and in 133
Co-requisite: AERO 134
AERO majors only.
Principles of construction of aircraft wooden structures and repair of aircraft synthetic material; principles of rigging fixed and rotary winged aircraft; application of aircraft covering material, aircraft painting, rig rotary and fixed winged aircraft as specified by Federal Aviation Regulation Part 147.
(250 hrs. lect./lab. over 8 weeks)

AERO 136 Powerplant Maintenance III (7)
Prerequisite: "C" in AERO 130 and in 131 and in 132 and in 134
Co-requisite: AERO 137
AERO majors only.
Theory and operation of engine fire detection and control systems, theory of operation and construction of aircraft propellers and related components; inspect and repair engine exhaust and cooling systems, repair and balance propellers as specified in Federal Aviation Regulation Part 147. (250 hrs. lect./lab. over 8 weeks)

AERO 137 Airframe Maintenance III (7)
Prerequisite: "C" in AERO 130 and in 131, 133 and in 135
Co-requisite: AERO 136
AERO majors only.
Theory of operation of aircraft hydraulic, pneumatic, oxygen and auto-pilot systems; inspect and repair aircraft hydraulic, fuel, pneumatic and instrument systems and other aircraft components as specified by Federal Aviation Regulation Part 147.
(250 hrs. lect./lab. over 8 weeks)

AEROSPACE STUDIES (AS)

Office: 1460 Lower Campus Drive, UH Mānoa, Phone: 956-7734

AFROTC is a nationwide program that allows students to pursue commissions (become officers) in the United States Air Force (USAF) while simultaneously attending college. Three and four year programs available. College students enrolled in the AFROTC program (known as "cadets") who successfully complete both AFROTC training and college degree requirements will graduate and simultaneously commission as Second Lieutenants in the Active Duty Air Force.

On Oahu, the AFROTC program is currently offered at University of Hawaii at Manoa, AFROTC Detachment 175. Students may register through Honolulu CC via normal course registration processes.

For more information on the AFROTC program, please visit www.manoa.hawaii.edu/undergrad/aerospace/.

AS 101 Foundations of the United States Air Force (1)
Tuition is waived, classes are held at UH Mānoa. For more information call AFROTC at 956-7734/7762.
Study of the total force structure, strategic offensive and defensive, general purpose, and aerospace support forces of the Air Force in the contemporary world. A-F only. (1 hr. lect. per week)

AS 101L Initial Military Training I (1)
Supplement to AS 101. Tuition is waived, classes are held at UH Mānoa. For more information call AFROTC at 956-7734/7762.

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - AG

Laboratory consists of activities that focus and promote the Air Force way of life. Instruction will include leadership and followership development, teamwork, physical fitness training, and activities designed to build camaraderie and espirit de corps. Course is open to all majors. Graded on a CR/N basis. (2 hrs. lab. per week and two 1 hr, sessions of Physical Training, total 4 hrs. per week)

AS 102 Foundations of the United States Air Force (1)
Tuition is waived, classes are held at UH Mānoa. For more information call AFROTC at 956-7734/7762.
Continuation of 101. A-F only. (1 hr. lect. per week)

AS 102L Initial Military Training II (1)
Supplement to AS 102, continuation of AS 101L. Tuition is waived, classes are held at UH Mānoa. For more information, call AFROTC at 956-7734/7762.
Laboratory consists of activities that focus and promote the Air Force way of life. Instruction will include leadership and followership development, teamwork, physical fitness training, and activities designed to build camaraderie and espirit de corps. Course is open to all majors. Graded on a CR/N basis. (2 hrs. lab. per week and two 1 hr, sessions of Physical Training, total 4 hrs. per week)

AS 201 Evolution of USAF Air and Space Power (2)
Tuition is waived, classes are held at UH Mānoa. For more information, call AFROTC at 956-7734/7762.
Study of Air Force heritage, Quality Air Force principles, ethics, and an introduction to leadership and group leadership problems. Application of written and verbal communication skills is included. A-F only. (2 hr. lect. per week)

AS 201L Field Training Preparation I (1)
Instructor approval required.
Supplement to AS 201. Tuition is waived, classes are held at UH Mānoa. For more information, call AFROTC at 956-7734/7762.
Laboratory consists of preparing second-year AFROTC cadets with the skills needed to successfully complete AFROTC Field Training. Students will learn basic military skills, Field Training skills, and participate in physical fitness training. Graded on a CR/N basis. (2 hrs. lab. per week and two 1 hr. sessions of Physical Training, total 4 hrs. per week)

AS 202 Evolution of USAF Air and Space Power (2)
Tuition is waived, classes are held at UH Mānoa. For more information, call AFROTC at 956-7734/7762.
Continuation of 201. A-F only. (2 hr. lect. per week)

AS 202L Field Training Preparation II (1)
Instructor approval required.
Tuition is waived, classes are held at UH Mānoa. For more information, call AFROTC at 956-7734/7762.
Continuation of 201L.
Graded on a CR/N basis.
(2 hrs. lab. per week and two 1 hr, sessions of Physical Training, total 4 hrs. per week)

AS 251L Leadership Laboratory (1)
Co-requisite: AS 101 and AS 201; or consent
Tuition is waived, classes are held at UH Mānoa. For more information, call AFROTC at 956-7734/7762.
Laboratory on the basic skills of leadership and followership. Lab includes application of leadership/followership skills, various field trips to military installations, group projects, and physical training. Repeatable one time. CR/NC only.
(Fall only)

AGRICULTURE (AG)

AG 100 Introduction to Agricultural Sciences (3) (DB)
Recommended Prep: High School Biology
Introduction to diverse disciplines of agricultural sciences, industry, and contemporary issues in agriculture. (3 hrs. lect. per week)

AMERICAN SIGN LANGUAGE (ASL)

ASL 101 Elementary American Sign Language I (4)
Prerequisite: Placement in ENG 100
This course is an introduction to American Sign Language communication. Students will acquire basic proficiency in receptive and expressive signing skills through a linguistic, communicative, and cultural approach. (4 hrs. lect. per week)

ASL 102 Elementary American Sign Language II (4)
Prerequisite: "C" or higher in ASL 101
This course continues the introduction of American Sign Language communication. Students will acquire further proficiency in receptive and expressive signing skills through a linguistic, communicative, and cultural approach. (4 hrs. lect. per week)

ASL 201 Intermediate American Sign Language I (4)
Prerequisite: "C" or higher in ASL 102
This course further develops American Sign Language skills, expanding communication to the intermediate level. Students will acquire further proficiency in receptive and expressive signing skills through a linguistic, communicative, and cultural approach. (4 hrs. lect. per week)

ASL 202 Intermediate American Sign Language II (4)
Prerequisite: "C" or higher in ASL 201
This course further develops American Sign Language skills, expanding communication in the intermediate level. Students will acquire further proficiency in receptive and expressive signing skills through a linguistic, communicative, and cultural approach. (4 hrs. lect. per week)

AMERICAN STUDIES (AMST)

AMST 150 America And The World (3)
Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ENG 100
Examines America's role in world history and the influence of world affairs on U.S. culture and society.

AG

Course Descriptions - ANTH

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Focuses on U.S. interdependence with Africa, European, Native American, Asian, and Polynesian civilizations, from 1492 to present. (3 hrs. lect. per week)

AMST 201 THE AMERICAN EXPERIENCE: INSTITUTIONS AND MOVEMENTS (3) (DH)
Prerequisite: Placement in ENG 100 + ENG 100S
Interdisciplinary course that examines diversity and changes in American values and institutions-political, economic, legal and social. (3 hrs. lect. per week)

AMST 202 AMERICAN EXPERIENCE: CULTURE AND THE ARTS (3) (DH)
Prerequisite: Placement ENG 100 + ENG 100S
Interdisciplinary course that examines diversity and changes in American values and culture-literature, film, visual arts, and architecture. (3 hrs. lect. per week)

ANTHROPOLOGY (ANTH)

ANTH 135 PACIFIC ISLAND PEOPLES (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
Introduction to the peoples and cultures of the Pacific Islands. Emphasis is on cultural change and comparisons with Hawaiian ancient and modern cultures. Cross-listed as SSCI 125.
(3 hrs. lect. per week)

ANTH 150 HUMAN ADAPTATIONS (3) (DS)
Recommended Prep: Placement in ENG 100 + ENG 100S
Human variation, physical and cultural, examined for its possible survival value under particular conditions from prehistoric times to present. How various ways of life and physical characteristics are adaptive or maladaptive. Implications for the future.
(3 hrs. lect. per week)

ANTH 151 EMERGING HUMANITY (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
Introduction to the paleontology of human biological evolution and the archaeology of culture in the world prior to AD 1500. (3 hrs. lect. per week)

ANTH 152 CULTURE AND HUMANITY (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
Introduction to cultural anthropology. How humans create, understand, order, and modify their natural, social, supernatural, and physical environments, and make meaning and order. (3 hrs. lect. per week)

ANTH 200 CULTURAL ANTHROPOLOGY (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
This course is concerned with the nature of culture; an introduction to basic concepts of analyzing cultural behavior; patterning, integration, and dynamics of culture; culture and the individual and cultural change. (3 hrs. lect. per week)

APPLIED TRADES (APTR)

APTR 193V COOPERATIVE EDUCATION (1-6)
Instructor approval required.
This course provides students with an opportunity to gain work experience related to the program major. This course was created according to an agreement between the Department of Navy and Honolulu CC for students under the SCEP Program through the Office of Personnel Management (OPM). Students must be recommended by the work supervisor in order to enroll. Students may enroll 4 times for a maximum of 16 credits.
(75 hrs. of supervised work experience per credit)

ARCHITECTURAL, ENGINEERING AND CAD TECHNOLOGIES (AEC)

AEC 101 CONSTRUCTION GRAPHICS AND CONVENTIONS (3)
Prerequisite or Co-requisite AEC 110
Recommended Prep: "C" or higher in a high school CAD drafting course, or equivalent CAD training/experience. AEC majors only.
Introduction to graphic communication and conventions as it is applied to drawing and reading construction plans using hand sketching, various computer-aided design and construction administration software. Techniques for measuring items of construction work from plans and specifications, layout, terminology, graphic standards and drafting fundamentals. Emphasis on how to locate information and cross reference with details, schedules, and specifications for clarification. Some computer architectural 3D modeling using SketchUp or similar software will be introduced.
(3 hrs. lect. per week)

AEC 110 BASIC AUTOCAD (4)
Prerequisite or Co-requisite AEC 101 and AEC 118
Recommended Prep: "C" or higher in a high school CAD drafting course, or equivalent CAD training/experience. AEC majors only.
The foundation AutoCAD course in the Architectural, Engineering and CAD Technologies program. Basic commands and operations from 2D drawing and editing tools to creating solid models and rendering. 2D drawing, text, dimensions, blocks, hatching, reference files, sharing data, 3D drawing, plotting, and more. Designed to qualify students for Autodesk certification. This course also available non-credit in four modules. (4 hrs. lect. per week)

AEC 111 INTRODUCTION TO PROFESSIONAL ETHICS (1)
Prerequisite or Co-requisite: ENG 100
AEC majors only.
This course is designed for students preparing for employment or further training in architecture, engineering, or a related professional field and who will at some point work with others – colleagues, supervisors, clients, or the general public. Solving ethical problems is often more difficult than applying technical or other specialized skills that the greatest amount of time is spent on in training. The course makes solutions of issues and dilemmas easier, which leads to greater success both on and off the job. Its focus is principally on applied ethics with minimum theoretical terminology, that is very practical – and comes with a lifetime benefit guarantee.
(1 hr. lect. per week)

ANTH

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - AEC

AEC 118 Construction Materials (3)
(Formerly CMGT 114)
Prerequisite or Co-requisite: ENG 100 and AEC 110
AEC majors only.
A broad survey of materials and products used in the building industry, their nature, characteristics, variety and uses. Concrete, masonry, wood, metals, conveying systems, electrical and mechanical systems, and other topics based on the CSI format. Emphasis on materials and construction in Hawai'i. An interactive Internet course—not a CAD or project-based course.
(3 hrs. lect. per week)

AEC 160 Construction Detailing (3)
(Formerly AEC 120 or CMGT 122)
Prerequisite: "C" or higher in AEC 110 and AEC 118
AEC majors only.
A core AEC course in basic building construction and common construction drawing details. Foundations, framing, doors and windows, cornices, roofs—architectural dimensions, materials symbols, drawing conventions, construction conceptualization, and more. A CAD software course that applies procedures from AEC 110 with materials information from AEC 118.
(3 hrs. lect. per week)

AEC 161 Building Information Modeling Software (3)
(Formerly AEC 124 or CMGT 123)
Prerequisite: "C" or higher in AEC 101 and in AEC 118
AEC majors only.
This course provides students with the opportunity to work on a medium-size modeling/drafting project using the latest architectural software. Emphasis is on the three-dimensional drawing tools of the Revit software. Architectural models, rendering, and animation are important elements of the course. Students create photo realistic computer images of buildings, components, and the project site.
(3 hrs. lect. per week)

AEC 163 Construction Law (3)
(Formerly CMGT 216)
Prerequisite: "C" or higher in AEC 101
Construction Management focus AEC *majors only.*
This course focuses on understanding the relationship between contract documents and the construction process. Students will explore contractual relationships, legal roles and responsibilities, and contract types. General condition clauses that affect levels of decision making authority, project close-out, and the superintendents role as an agent of the contractor will be studied. Students will study legal issues that often result in construction disputes including differing site conditions, time and schedule impacts, change orders, and changed conditions. Students will also study contract dispute resolution including negotiations, alternatives dispute resolutions, and litigation of dispute.
(3 hrs. lect. per week)

AEC 164 Residential Planning and Design (3)
(Formerly AEC 123)
Prerequisite: "C" or higher in AEC 101

Architectural Tech focus AEC majors only.
A design fundamentals, development, and presentation course that precedes the project-based working drawings courses (AEC 101 and 110. Application of AEC 101 techniques to preliminary board designs of increasing complexity. Architectural design concepts and principles, application of AutoCAD and SketchUp, study models, rendering, group and juried presentations.
(3 hrs. lect. per week)

AEC 165 Construction Administration (3)
(Formerly CMGT 220)
Prerequisite: "C" or higher in AEC 101
Construction Management focus AEC majors only
Proper construction documentation is essential to an economical and effective system for planning, operating, and controlling a construction project. This course will guide the student in proper forms, form development, and how to adapt forms for your organization. How to write and prepare the various plans required by government agencies is also covered. (3 hrs. lect. per week)

AEC 193V Cooperative Education (1–4)
Prerequisite: Placement in ENG 100
Instructor approval required.
AEC majors only.
This course provides students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Architectural, Engineering and CAD Technologies. Students may enroll 4 times for a maximum of 12 credits.
(5 hrs. work experience per week per credit)

AEC 209 Planning and Scheduling (3)
(Formerly CMGT 226)
Prerequisite: "C" or higher in AEC 165
Construction Management focus AEC majors only.
The theory and practice of planning, scheduling, and reporting for a project through the use of bar chart and Critical Path Methodology. The course provides students with a thorough understanding of project planning and scheduling principles in the construction industry. It introduces various planning and control techniques in an integrated planning and control system. It helps students develop understanding of time, cost, and resource management principles as well as the ethical issues involved. The course also provides an overview of advanced project planning concepts.
(3 hrs. lect. per week)

AEC 210 Residential Working Drawings (4)
(Formerly AEC 130)
Prerequisite: "C" or higher in AEC 160 and in AEC 161
Co-requisite: AEC 213 or instructor approval
Architectural Tech focus AEC majors only.
A core course in the advanced study and application of materials and methods of construction specifically related to two-story dwellings. Projects utilize light wood, steel, and/or masonry construction principles and practices. Basic residential planning, drafting

Course Descriptions - AEC

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

expressions, architectural details, and complete working drawings. All drawing is done using computer-aided design (CAD) software.
(4 hrs. lect. per week)

AEC 211 Construction Estimating and Bidding (3)
(Formerly AEC 138 or CMGT 228)
Prerequisite: AEC 118; "C" or higher in AEC 160; "C" or higher in ENG 100
AEC majors only.
This course introduces students to construction contracts, types of estimates, construction costs, cost accounting, purposes and functions. Students also gain experience in generating material quantity takeoffs from construction drawings.
(3 hrs. lect. per week)

AEC 213 Construction Codes (3)
(Formerly AEC 131)
Prerequisite: "C" or higher in AEC 160: "C" or higher in ENG 100
Co-requisite: AEC 210
AEC majors only.
This course explores the ramifications of codes on building projects. Students apply the material of the course relating to zoning, building, and accessibility requirements to drawing projects in the co-requisite course, AEC 210. This is a lecture-discussion-exercise course.
(3 hrs. lect. per week)

AEC 217 Structural Drawing (3)
(Formerly AEC 136)
Prerequisite: "C" or higher in AEC 160; and in MATH 150/140 or higher, OR Placement in MATH 241
Recommended Prep: AEC 118
AEC majors only.
Introduction to structural drawing for building construction—to load analysis, concrete and steel plan and detail drawing, and wood frame design and drawing with CAD software. Emphases on roof framing, lintels and beams, and posts and columns. The goal is develop in students a "sense" and basic understanding of structure in building construction.
(3 hrs. lect. per week)

AEC 236 Introduction to Sustainability (3)
Introduction to Sustainability provides a comprehensive overview of the interdisciplinary field of sustainability. The focus is on furnishing solutions and equipping the student with both conceptual understanding and technical skills for the workplace. We will explore one aspect of the field each week, first introducing relevant theory and presenting issues, then supplying tools for working towards solutions. Elements of sustainability will be examined, and exploration of ecosystems, social equity, environmental justice, food, energy, product life cycles, cities, and more. Techniques for management and measurement as well as case studies from around the world will be discussed. Open to non-majors.
(3 hrs. lect. per week)

AEC 237 Introduction to the Built Environment (3)
(Formerly AEC 135)
Prerequisite: "C" or higher in ENG 250-257(A-Z)
This course explores the evolution of society's physical fabric as revealed by place, climate, culture, technology and time. The work of several well-known architects will be examined to study the impact of scientific knowledge and architectural design theory on history, culture, sociology and built form. Students will prepare several oral presentations to validate their understanding of the course content. Fall semester only. Open to non-majors. (3 hrs. lect. per week)

AEC 239 Field Shadow Experience (1)
(Formerly AEC 139)
Prerequisite: "C" or higher in AEC 160: "C" or higher in ENG 250-257(A-Z)
Architectural Tech focus AEC majors only
Students individually shadow an architect, engineer, or other industry professional for two hours per week (7 times) at times arranged. Three group meetings with all instructors for orientation and to share experiences. Placement tailored to student needs and interests. Students may enroll 2 times for credit.
(2 hrs. field experience per week for 7 weeks)

AEC 260 Commercial Working Drawings (4)
(Formerly AEC 140)
Prerequisite: "C" or higher in AEC 209 or 210
Co-requisite: AEC 261
AEC majors only.
A core course that includes the theory and practice involved in producing and organizing working drawings using computer-aided design techniques for multi-family and commercial projects. Students are exposed to design, layout, and construction methods used in steel, concrete, masonry, and wood systems. Independent research emphasized. All drawing is done using computer-aided (CAD) software.
(4 hrs. lect. per week)

AEC 261 Building Services (3)
(Formerly AEC 141 or CMGT 214)
Co-requisite: AEC 260 or instructor approval
Recommended Prep: AEC 118
AEC majors only.
Preliminary and detail planning of service and mechanical equipment and facilities in multi-family, commercial, industrial, and municipal buildings. Topics include energy, thermal control, acoustics, large capacity plumbing and electrical systems, fire protection equipment, vertical transportation equipment, security systems, and service accesses.
(3 hrs. lect. per week)

AEC 263 Virtual Construction (3)
Prerequisite: "C" or higher in AEC 161 and AEC 209
Construction Management focus AEC majors only
This course introduces the student to Building Information Modeling in the context of project management and the lean construction process. The focus of this course is to provide knowledge and hands-on experience with state-of-the-art

AEC

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - ART

construction management systems and principles, such as 5D modeling strategies (the implementation and analysis of 5D-models for quantity take-off), location based production planning, and activity based planning using CAD software such as Autodesk Revit and NavisWorks.
(3 hrs. lect. per week)

AEC 264 Advanced Modeling and Presentation (3)
(Formerly AEC 146)
Prerequisite: "C" or higher in AEC 110 and in AEC 161 Architectural Tech focus AEC Majors only.
Advanced 3D modeling and rendering techniques using a high-end computer modeling program aimed primarily at building design. Topics include the user interface, basic modeling concepts, scene creation, object creation, material rendering, and, lighting. Students construct several 3D computer models. This course also available non-credit.
(3 hrs. lect. per week)

AEC 265 Construction Inspection (3)
Prerequisite: "C" or higher in AEC 165 and AEC 213 Construction Management focus AEC majors only
This course will cover building codes and standards applicable towards building construction and the inspection processes.
(3 hrs. lect. per week)

AEC 277 Land Surveying I (3)
(Formerly CMGT 211)
Prerequisite: "C" or higher in ENG 100 Construction Management focus AEC majors only
This course is a basic course on land surveying. It provides the basic skills of plane surveying, using instruments for distance measurements, angular measurements, and determining elevations. The course provides experience with completing closed traverses and topographic surveying. Computer spreadsheets are utilized to facilitate common calculations associated with plane surveying.
(2 hrs. lect.; 3 hrs. lab. per week)

AEC 278 Land Surveying II (3)
Prerequisite: "C" or higher in AEC 277 Construction Management focus AEC majors only
This course is designed to build upon the skills attained in the Land Surveying I course and prepares individuals interested in taking the Certified Surveying Technician (CST) exam. (2 hrs. lect.; 3 hrs. lab. per week)

AEC 280 Site Modeling (3)
(Formerly AEC 148)
*Prerequisite: "C" or higher in AEC 209 or AEC 210, and in MATH 150/140 or higher, OR Placement in MATH 241-244
Prerequisite or Co-requisite: AEC 210 or AEC 277
AEC majors only.*
Introduction to civil engineering with site modeling and drawing using various 2D, 3D CAD and scanning technologies. A look at maps, surveys, scales and conventions, contours and profiles, site plans, site utilities, topographic models, excavation, retaining walls, highway layout, subdivision and block plans.
(3 hrs. lect. per week)

AEC 289 Preparation for Employment in the AEC Industry (2)
(Formerly AEC 149)
Prerequisite or Co-requisite: "C" or higher in AEC 264 Architectural Tech focus AEC majors only.
A course in preparation for employment in the architectural, engineering, and construction industry. Half of the course is devoted to the AEC job market, job search strategies, resume writing, interviewing, and succeeding on the job. The other half of the course is devoted to designing and creating a professional portfolio. (2 hrs. lect. per week)

ART (ART)

ART 101 Introduction to the Visual Arts (3) (DA)
Prerequisite: Placement in ENG 100 + ENG 100S
Nature of visual art and its expression in various forms. Lectures, demonstrations. (3 hrs. lect. per week)

ART 107D Introduction to Digital Photography (3) (DA)
Recommended Prep: Placecment in ENG 100 + ENG 100S; ART 112
Students are required to have access to a working digital camera (10+ MP, SLR preferred) plus their camera's operating instructions and application CD.
This course covers the basic history and practice of digital photography. Students will learn basic camera techniques, the specific features of their own camera, and how to convert their images to digital formats. The course will provide students with basic aesthetic principles as well as specific practical techniques needed for artistic expression and/or entry into the photographic workplace. Students may enroll 2 times for a maximum of 6 credits. (3 hrs. lect./lab. per week)

ART 111 Introduction to Watercolor Painting (3) (DA)
Recommended Prep: Placement in ENG 100 + ENG 100S
ART 111 provides a foundation in the materials and techniques of Watercolor Painting through lectures, field trips, demonstrations and in-class paining sessions. May be taken on a CR/N basis. (6 hrs. lect./lab. per week)

ART 112 Introduction to Digital Art (3) (DA)
Recommended Prep: ICS 100; Placement in ENG 100 + ENG 100S
Introduction to the technology, vocabulary, and procedures of computer produced images; the use of computer graphics as an artist's tool. Students may enroll 2 times for a maximum of 6 credits.
(2 hrs. lect.;4 hrs. lab. per week)

ART 113 Introduction to Drawing (3) (DA)
Prerequisite: Placement in ENG 100 + ENG 100S
Two-dimensional visualization and rendering of forms, spaces, and ideas through a variety of approaches and media. (2 hrs. lect.; 4 hrs. lab. per week)

ART 115 Introduction to 2D Design (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
Basic design concepts, elements and principles of organization. Emphasizes problem-solving and

ART

Course Descriptions - ASAN

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

technical skills with introduction to computer.
May be graded on a CR/N basis.
(2 hrs. lect.; 4 hrs. lab. per week)

ART 123 Introduction to Painting (3) (DA)
Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ART 113
Theory and practice of painting; basic material and technical procedures will be addressed.
(2 hrs. lect.; 4 hrs. lab. per week)

ART 196 Sustainable Art and Design (3) (DA)
Prerequisite: Placement in ENG 100 + ENG 100S
This course introduces students to the concepts of sustainability as it relates to Art and Design. Artists and designers who consciously implement sustainability practices will be explored, with an attention to historical context and the larger cultural meaning. Students will complete basic studio art projects that relate to sustainability. (3 hrs. lect. per week)

ART 213 Intermediate Drawing (3) (DA)
Prerequisite: ART 113
Extension of ART 113; drawing concepts unique to this century. (2 hrs. lect.; 4 hrs. lab. per week)

ART 214 Life Drawing (3)
Prerequisite: ART 113 or 213 or instructor approval
Study of the figure. Repeatable once for credit.
(2 hrs. lect.; 4 hrs. lab. per week)

ART 223 Intermediate Painting (3)
Prerequisite: ART 123
Survey of late 19th and 20th century studio practice with emphasis on abstraction and non-representational painting. (2 hrs. lect.; 4 hrs. lab. per week)

ASIAN STUDIES (ASAN)

ASAN 100 Asian Perspectives (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
The purpose of this course will be to raise the student's awareness and understanding of the operation and composition of non-American cultures and societies. The skills of observation and analysis that students will acquire through this course should enable them to confront and interact with any other nonAmerican culture. (3 hrs. lect. per week)

ASAN 201 Introduction to Asian Studies: East Asia (3) (DH)
Understanding East Asia through multidisciplinary approaches. Examines the interrelationship of policies, economy, literature, religion, the arts, and history as the basis for such an understanding. May be taken by Credit by examination or audited.
(3 hrs. lect. per week)

ASAN 202 Introduction to Asian Studies: South/South East Asia (3) (DH)
Understanding East Asia through multidisciplinary approaches. Examines the interrelationship of policies, economy, literature, religion, the arts, and history as the basis for such an understanding.
May be taken by Credit by examination or audited.
(3 hrs. lect. per week).

ASAN 241 Civilizations of Asia I (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
Historical survey of major civilizations of Asia from earliest times: East Asia, Southeast Asia, and South Asia. Cross-listed as HIST 241. (3 hrs. lect. per week)

ASAN 242 Civilizations of Asia II (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
Continuation of ASAN 241. Cross-listed as HIST 242.
(3 hrs. lect. per week)

ASAN 250 Asian Politics Since 1900 (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
This course will focus on ten Asian countries with the largest economics and populations, in order to familiarize students with the development of their politics, economics, and society. Cross-listed as POLS 250. (3 hrs. lect. per week)

ASAN 296C Asian Popular Culture (3) (DH)
Recommended Prep: ASAN 201, 202
Comment: No knowledge of Asian languages are required for the course. No prior knowledge or experience with Asian popular culture is necessary.
ASAN 296C is the study of Asian popular culture and of theoretical systems used for analyzing popular culture including, but not limited to, Manga, Anime, Television Drama, Music, and Film from Asia. The course will use popular culture as a means to understand Asian societies, business, cultural practices, and beliefs. Students will gain analytical skills and knowledge of Asian cultures and markets that can be used to begin working toward careers in or related to Asian popular media and culture. (3 hrs. lect. per week)

ASTRONOMY (ASTR)

ASTR 110 Survey of Astronomy (3) (DP)
Survey of the nature of the astronomical universe for non-science majors, with emphasis on scientific method and development of scientific thought.
(3 hrs. lect. per week)

ASTR 110L Survey of Astronomy Laboratory (1) (DY)
Prerequisite: "C" or higher in MATH 24 OR placement in MATH 25. Prerequisite or Co-requisite: ASTR 110 or consent of instructor .
Demonstration of astronomical principles through laboratory observations and analysis of astronomical data. Not required for ASTR 110. May be taken on a CR/N basis. (3 hrs. lab. per week)

ATMOSPHERIC SCIENCES (ATMO)

ATMO 101 Introduction to Meteorology (3) (DP) (Formerly MET 101)
Prerequisite: Placement in ENG 100 + ENG 100S or ESL 23
This is an introductory course intended for the non-science majors, prospective science teachers and prospective science majors. This course will include an overview of basic atmospheric physics, sun-Earth-atmosphere interrelations, pollution, major weather systems, weather forecasting, and weather in Hawai'i.
(3 hrs. lect. per week)

ASAN

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - ABRP

ATMO 101L Introduction to Meteorology Lab (1) (DY) (Formerly MET 101L)

Prerequisite or Co-requisite: ATMO 101

This introductory course is intended to accompany ATMO 101 and involves exercises with meteorological data and measurement systems, with particular focus on the characteristics of weather in Hawai'i.
(3 hrs. lab. per week)

AUTO BODY REPAIR AND PAINTING (ABRP)

ABRP 73 Collision Prep and Panel Alignment (4)

Co-requisite: ABRP 75
ABRP majors only.

This course will introduce students to the auto body collision repair environment. The focal point of instruction will involve the unibody of the late model collision damaged vehicle and preparation of the vehicle for collision repair. Other areas of instruction will introduce students to the theory and practice of the adjustment and alignment of door, hood, decklid, etc. (120 hrs. total. 6 hrs. lect.; 18 hrs. lab. per week over 5 weeks)

ABRP 75 Door Skin Alignment and Replacement (2)

Co-requisite: ABRP 73
ABRP majors only.

This course will cover fundamental procedures in the removal, reinstallation, and adjustment of movable door glass. Major emphasis on the theory of removing and replacing door outer skins will also be included. (60 hrs. total. 6 hrs. lect.; 18 hrs. lab. per week over 2.5 weeks)

ABRP 78 Collision Damage Analysis (3)

Co-requisite: ABRP 79, 80
ABRP majors only.

Specific areas to be covered relate to the identification and analysis of damage through visual inspection and measuring techniques. Emphasis will be placed on the ability to identify quick telltale signs of damage. Students will also move from basic structural measuring principles, techniques, and equipment to various types of state-of-the-art frame measuring equipment. The unibody of the late model vehicle will be the focal point of instruction.
(90 hrs. total. 6 hrs. lect.; 18 hrs. lab. per week over 3.75 weeks)

ABRP 79 Structural Straightening Techniques (3)

Co-requisite: ABRP 78, 80
ABRP majors only.

Students will learn, practice, and demonstrate their skills as they relate to different anchoring systems, and their set-up. This course will further introduce students to the theory and practice of various straightening techniques and systems.
(90 hrs. total. 6 hrs. lect.; 18 hrs. lab. per week over 3.75 weeks)

ABRP 80 Panel Replacement (6)

Co-requisite: ABRP 78, 79
ABRP majors only.

This course will expose students to factory attachment methods of structural/non-structural components and the proper procedures for replacing these components. The method of sectioning structural/non-structural components will also be explored. (180 hrs. total. 6 hrs. lect.; 18 hrs. lab. per week over 7.5 weeks)

ABRP 93V Cooperative Education (1–4)

Respirator use clearance and valid driver's license.
ABRP majors only.

This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Auto Body Repair and Painting. Students may enroll 4 times for a maximum of 12 credits. (5 hrs. work experience per week per credit.)

ABRP 101 Foundations to Auto Body Repair (12)

Prerequisite: Respirator use clearance and valid driver's license.
Recommended Prep: Industrial Arts, Mechanical Drawing, Mathematics, Physical Science, Communication Skills - reading and speaking.
ABRP majors only

This course design is to introduce the student to the safe practices in the shop environment while developing an understanding and skill level that is pertinent to entry-level skills needed to be productive in the industry. The student will develop skills that are necessary to repair minor damages to the vehicle. The student will gain an understanding of the safe operation, proper use and general maintenance of tools and equipment required of entry-level technicians. (6 hrs. lect.; 18 hrs lab per week)

ABRP 102 Intermediate Auto Body Repair (12)

Prerequisite: ABRP 101; Respirator use clearance and valid driver's license.
Recommended Prep: Industrial Arts, Mechanical Drawing, Mathematics, Physical Science, Communication Skills - reading and speaking.
ABRP majors only

This course will further strengthen the student's ability to do minor metalwork and body filling while progressing them into the repair of advanced damages of the modern vehicle. The student will be introduced into the safe operation and maintenance of intermediate equipment commonly used in the repair shop. Topics of new discovery will include: composite repair; understanding the fundamentals of an equipment estimate and work order; process of full and partial panel replacement of commonly replaced components; proper vehicle pre-delivery processes. Students will be introduced to the safe handling and repair of aluminum components with an introduction to higher end welding techniques.
(6 hrs lect.; 18 hrs. lab per week)

ABRP

ABRP 103 TRANSITIONING CLASS TO INDUSTRY (4)
Prerequisite: ABRP 101, ABRP 102; Respirator use clearance and valid driver's license.
Recommended Prep: Industrial Arts, Mechanical Drawing, Mathematics, Physical Science, Communication Skills - reading and speaking.
ABRP majors only
This course is a culmination of a student's knowledge and skill development, it will give them real life experiences in the day-to-day operation of the industry. Students will be required to intern at various businesses within the State while still attending class. It is designed to hone their school training to further meet industry demands and give them an insight to the many career paths within the industry. Students will intern 5 days a week for 4 hours a day at arranged businesses by the student, instructor and business owner. Placements are based on student interest in conjunction with the fulfillment of program objectives. Students will also be required to attend class 5 days a week for 4 hours a day to further their study of the industry. (5 hrs lect.; 15 hrs. lab per week over 6 weeks)

AUTOMOTIVE TECHNOLOGY (AMT)

AMT 93V COOPERATIVE EDUCATION (1–4)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 50 OR Placement in MATH 150 or higher
Valid driver's license
Instructor approval required.
AMT majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Automotive Mechanics Technology. Students may enroll 4 times for a maximum of 12 credits.
(5 hrs. work experience per week per credit.)

AMT 121 INTRODUCTION TO AUTOMOTIVE MECHANICS (2)
(FORMERLY AMT 20)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 50 OR Placement in MATH 150 or higher
Valid driver's license
Co-requisite: AMT 153 and AMT 155.
AMT majors only.
This course exposes students to the policies and procedures of the Automotive Mechanics Technology (AMT) program. Students will have an opportunity to learn about various positions in the automotive field, understand and apply shop safety, identify and explain issues related to hazardous materials, identify systems and components of an automobile, reference technical manuals appropriately, identify and use basic hand tools and precision measuring equipment, perform fastener repair and identification and understand the importance of maintenance scheduling.
(60 hrs. lect./lab. per term)

AMT 122 SURVEY OF AUTOMOTIVE TECHNOLOGY (4)
(FORMERLY AMT 22)
Prerequisite: Valid driver's license
Recommended Prep: Auto Academy Participant

Administrative approval required.
This course covers content similar to AMT 121 - Introduction to Automotive Mechanics, but includes an internship and an overview of automotive technology. This course exposes students to the policies and procedures of the Automotive Mechanics Technology (AMT) program. Students will have an opportunity to learn about various positions in the automotive field, understand and apply shop safety, identify and explain issues related to hazardous materials, identify systems and components of an automobile, reference technical manuals appropriately, identify and use basic hand tools and precision measuring equipment, perform fastener repair and identification and understand the importance of maintenance scheduling. Students will also have an opportunity to learn about the eight general areas of automotive technology which include, Steering and Suspension, Brakes, Manual Drive Train and Axles, Automatic Transmissions and Transaxles, Electrical and Electronic Systems. Engine Repair, Heating and Air Conditioning, and Engine Performance. (20 hrs. lect./lab. per week)

AMT 130 ENGINES (8)
(FORMERLY AMT 30)
Prerequisite: AMT 153 and AMT 155
Co-requisite: AMT 140
Recommended Prep: Employed in the automotive industry
AMT majors only.
This course will cover shop safety, tools and all components found in the modern internal combustion engine. The course is designed to provide students with an understanding of the fundamental operation and construction of internal combustion engines. Instruction will include theory and laboratory (shop) activities in which students will learn how to inspect, service, maintain, diagnose, and repair automobile engine malfunctions. Course includes live work.
(240 hrs. lect./lab. per term)

AMT 140 ELECTRICAL SYSTEMS I (4)
(FORMERLY AMT 40)
Prerequisite: AMT 153 & 155
Co-requisite: AMT 130
Recommended Prep: Employed in the automotive industry
AMT majors only.
This course will cover shop safety, applicable tools and equipment. It is designed to provide students with the essential theories and practical skills to service and repair battery, starting, charging, and lighting systems. Diagnostic procedures using wiring diagrams and electrical test equipment to locate shorts, grounds, opens and resistance problems will also be covered. Course includes live work. (120 hrs. lect./lab. per term)

AMT 142 ELECTRICAL SYSTEMS II (8)
(FORMERLY AMT 42)
Prerequisite: AMT 146 and AMT 151
Co-requisite: AMT 143
AMT majors only.
This Electrical Systems II course deals with the

AMT

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - BIOC

systematic approach to diagnosing and repairing electrical, electronic, and ignition systems. The course focuses on small motor devices, relay controls, instrument clusters, and ignition systems found in the modern vehicle. Students will be introduced to common symptoms and pinpoint test procedures used to evaluate various circuits. They will demonstrate awareness of the safety aspects, operation, and characteristics of Hybrid/Electric Vehicles. Other subject areas include basic electrical repairs, shop safety, and the proper utilization of tools and equipment. Course may include live work. (240 hrs. lect./lab. per term)

AMT 143 Air Conditioning (4)
(Formerly AMT 43)
Prerequisite: AMT 146 and AMT 151
Co-requisite: AMT 142
Recommended Prep: Employed in the automotive industry
AMT majors only.
This course covers shop safety, training in specialty tools and equipment. Included are fundamental theories, diagnosis, and repair practices to automotive air conditioning systems. Presented in the course are the operation and function of the vacuum, electrical, refrigeration circuits, along with computer controlled climate control systems. Course includes live work. (120 hrs. lect./lab. per term)

AMT 146 Powertrain and Manual Transmissions (5)
(Formerly AMT 46)
Prerequisite: AMT 130 and AMT 140; PHYS 100 & 100L or PHYS 104
Co-requisite: AMT 151
AMT majors only.
In this class, students will learn shop safety, proper use of related tools and equipment. The various designs of manual transmissions, differentials, and transaxles are covered in this course along with the many drive line components found in the undercarriage of the automobile. Each major component is covered in detail, including such topics as purpose, application, operation, inspection, diagnosis, and repair. Course includes live work. (150 hrs. lect./lab. per term)

AMT 151 Automatic Transmissions/Transaxles (7)
(Formerly AMT 50)
Prerequisite: AMT 130 and AMT 140
Co-requisite: AMT 146
Recommended Prep: Employed in the automotive industry
AMT majors only.
This course explains the fundamental principles of automatic transmission designs and operations found on both Front Wheel Drive (FWD) and Rear Wheel Drive (RWD) vehicles. Service and overhaul procedures are given on various import and domestic automatic transmissions according to the manufacturer's standards. Introduction to Electronically Controlled Automatic Transmissions (ECAT) also included. (210 hrs. lect./lab. per term)

AMT 153 Brakes (5)
(Formerly AMT 53)
Prerequisite or Co-requisite: AMT 121
Co-requisite: AMT 155
AMT majors only.
This course covers shop safety, related tools, fundamental principles of operation and practical application needed to perform repairs to automotive braking systems. Various mechanical, hydraulic, vacuum, electrical, and computer devices incorporated in the automobile's braking system will be covered. They include an introduction to Anti-lock Braking Systems manufactured by Teves, Bosch, Delco, and Kelsey-Hayes along with established troubleshooting and service procedures. Course includes live work. (150 hrs. lect./ lab. per term)

AMT 155 Suspension and Steering (5)
(Formerly AMT 55)
Prerequisite or Co-requisite: AMT 121
Co-requisite: AMT 153
AMT majors only.
This course covers the need of today's automotive suspension system specialist. Fundamental information, repair procedures and current service practices are included. Various types of suspension and steering components found in the modern automobile are covered with steering geometry and wheel alignments of 2 and 4 wheel steering automobiles. An introduction to Supplemental Restraint Systems (air bags) also included. (150 hrs. lect./lab. per term)

AMT 167 Engine Performance (12)
(Formerly AMT 67)
Prerequisite: AMT 121, 130, 140, 142, 143, 146, 151, 153, 155
AMT majors only.
This course will deal with the systematic diagnostic approach to isolate malfunctions for computerized engine control systems. Students will be introduced to various components and their relationship to others in system functions. The course covers service codes, analysis of drivability symptoms, and pin-point test procedures using modern diagnostic strategies and various state-of-the-art equipment. (360 hrs. lect./lab. per term)

BIOCHEMISTRY (BIOC)

BIOC 141 Fundamentals of Biochemistry (3) (DP)
(Formerly BIOC 241)
Prerequisite: MATH 25
Biological chemistry stressing integration of concepts of general, inorganic, and biochemistry and applications to life chemistry. (3 hrs. lect. per week)

BIOC 142 Elements of Biochemistry (3) (DP)
(Formerly BIOC 251)
Prerequisite: BIOC 141 or CHEM 151
Biochemical principles and concepts as applied to living systems. Includes sufficient organic chemistry to understand these principles. (3 hrs. lect. per week)

BIOC

BIOLOGY (BIOL)

BIOL 100 Human Biology (3) (DB)
An introduction to the structure and function of cells, tissues, organs, and organ systems of the body. In addition, there will be selected topics on nutrition, infectious diseases and immunity, the nature of cancer, reproductive biology, and human genetic disorders. (3 hrs. lect. per week)

BIOL 101 Biology and Society (3) (DB)
Recommended Prep: ENG 100 or a higher-level English course; and CHEM 100 or a higher-level Chemistry course
Comment: Recommended concurrent enrollment in BIOL 101L
This course introduces non-science majors to biological science and its relevance in daily life, including cell structure and function, genetics, evolutionary theory, plant and animal structure and function, and ecology. (3 hrs. lect. per week)

BIOL 101L Biology and Society Lab (1) (DY)
Prerequisite or Co-requisite: BIOL 101
Laboratory to accompany BIOL 101 Biology and Society.
This course introduces the scientific approach to problem-solving to students not majoring in natural sciences, and enhances understanding of major concepts in biology through experimentation. Lab topics include cell structure and functions, genetics, evolutionary theory, plant and animal structure and function, and ecology. (3 hrs. lab. per week)

BIOL 123 Hawaiian Environment Science (3) (DB)
Characteristics of science and interaction with society illustrated by topics in geology, astronomy, oceanography, and biology of Hawaiian Islands. (3 hrs. lect. per week)

BIOL 124 Environment and Ecology (3) (DB)
Co-requisite: BIOL 124L
Biological and physical principles affecting human/environment interaction; impact of science, technology, value and perceptions on global society and ecology; projections and options about human ecology. (3 hrs. lect. per week)

BIOL 124L Environment and Ecology Lab (1) (DY)
Co-requisite: BIOL 124
Laboratory experiments, field surveys/studies, demonstrations and projects illustrating topics in human ecology. (3 hrs. lab. per week)

BIOL 171 Introduction to Biology I (3) (DB)
Prerequisite or Co-requisite: CHEM 151 or CHEM 161 or Instructor Approval
Co-requisite: BIOL 171L
Recommended Prep: High School Biology
Introductory biology for all life science majors. Cell structure and chemistry; growth, reproduction, genetics, evolution, viruses, bacteria and simple eukaryotes. (3 hrs. lect. per week)

BIOL 171L Introduction to Biology I Lab (1) (DY)
Prerequisite or Co-requisite: CHEM 151L or CHEM 161L or Instructor Approval

Co-requisite: BIOL 171 or Instructor Approval
Recommended Prep: High School Biology
Laboratory to accompany BIOL 171. (3 hrs. lab. per week)

BIOL 172 Introduction to Biology II (3) (DB)
Prerequisite: BIOL 171 and 171L or Instructor Approval
Co-requisite: BIOL 172L or Instructor Approval
Recommended Prep: High School Biology and college level reading and writing skills
Introduction to biology for all life science majors. Continuation of BIOL 171. Exploration of biology with emphasis on biological diversity, anatomy and physiology of plants and animals, ecology and the biosphere. (3 hrs. lect. per week)

BIOL 172L Introduction to Biology II Lab (1) (DY)
Prerequisite: BIOL 171 and 171L or Instructor Approval
Co-requisite: BIOL 172 or Instructor Approval
Recommended Prep: High School Biology and college level reading and writing skills
Laboratory to accompany BIOL 172. (3 hrs. lab. per week)

BLUEPRINT READING (BLPR)

BLPR 22 Blueprint Reading (3)
A basic course designed primarily for students in the construction trades. Topics include principles of graphic representation, basic building construction, interpretation of working drawings, and building specifications. (3 hrs. lect. per week)

Boat Maintenance and Repair
(See Small Vessel Fabrication and Repair)

BOTANY (BOT)

BOT 101 General Botany (3) (DB)
Co-requisite: BOT 101L
This course will cover introduction to plant biology; structures and functions of plant cells, tissues, and organs such as roots, stems, leaves and flowers; concepts of biological evolution and classification; the diversity of plants; genetics; ecology; and current topics of interest: biotechnology, agriculture and pollution effects on plants. (3 hrs. lect. per week)

BOT 101L General Botany Laboratory (1) (DY)
Co-requisite: BOT 101
Laboratory sessions will involve specific application of lecture material. Laboratory observations, experiments and field trips will illustrate the basic principles of plant biology, plant propagation and environmental issues affecting plant growth. Students will be exposed to diverse farming technologies for sustainable food production. (3 hrs. lab. per week)

BOT 105 Mea Kanu: Hawaiian Plants & Their Uses (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
This course explores the cultural uses of plants by

BIOL

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - BLAW

humans in the Hawaiian archipelago and elsewhere in Polynesia. Focus will be upon those plants that were originally found in Hawai'i when early settlers came and those plants that were brought by them. Cross-listed as HWST 105. (3 hrs. lect. per week)

BOT 130 PLANTS IN THE HAWAIIAN ENVIRONMENT (3) (DB)
Co-requisite: BOT 130L
This course is a study of some of the plants which grow in Hawai'i. Plants will be identified and discussed in regard to their form and structure. Evolution and ecology of the plants will also be considered. (3 hrs. lect. per week)

BOT 130L PLANTS IN THE HAWAIIAN ENVIRONMENT LABORATORY (1) (DY)
Co-requisite: BOT 130
Laboratories will involve specific application of lecture material and several field trips to various parts of O'ahu. (3 hrs. lab. per week)

BUSINESS LAW (BLAW)

BLAW 200 LEGAL ENVIRONMENT OF BUSINESS (3)
Prerequisite: ENG 100 or Placement in ENG 201-296; MATH 25 or Placement in MATH 100 or higher
Introduction to the legal environment of business operations with particular attention to principles of law relating to contracts, agency, partnerships, and corporations. May be taken on a CR/N basis. (3 hrs. lect. per week)

CARPENTRY TECHNOLOGY (CARP)

CARP 20 CARPENTRY BASICS (3)
Prerequisite: Placement in ENG 100 ; MATH 50 or Placement in MATH 150 or higher.
Co-requisite: CARP 26 and CARP 30.
CARP majors only.
This course provides an overview of the tools, materials, and safety practices currently used in the industry. The safe use, care and maintenance of hand and power tools is emphasized. (6 hrs. lect./lab. per week)

CARP 22 CONCRETE FORM CONSTRUCTION (11)
CARP majors only.
This course is designed to familiarize students with concrete form construction. Topics include the construction terms, materials, methods used in construction, techniques in heavy concrete construction, uses of the builder's transit for leveling, setting grade lines, sighting overhead points, and plumbing columns. (5 hrs. lect.; 18 hrs. lab. per week)

CARP 26 CARPENTRY I (9)
Co-requisite: CARP 20 and CARP 30
This course provides students with an opportunity to acquire basic skills required for success in the Carpentry Trade. Students will complete projects using appropriate tools, materials, procedures and safety practices currently used in the industry. (18 hrs. lect./lab. per week)

CARP 30 BLUEPRINT READING FOR CARPENTERS (3)
Co-requisite: CARP 20 and CARP 26
CARP majors only.
The interpretation of symbols, conventions, legends, abbreviations, dimensioning techniques, visualization of subject projects, techniques and procedures for extraction from a set of construction drawings, information for accurate construction and the preparation of necessary drawings and sketches as required by the carpenter. (3 hrs. lect. per week)

CARP 41 ROUGH FRAMING AND EXTERIOR FINISH (11)
Co-requisite: IS 106
CARP majors only.
This course is designed to show students the basics of good house construction. Topics include layout and construction techniques of the various parts of a building—footings, foundations, wall and roof framings, roofings, exterior sidings, and door and window frames. City and County of Honolulu and Uniform Building Code regulations are introduced. (5 hrs. lect.; 18 hrs. lab. per week)

CARP 42 FINISHING (11)
CARP majors only.
This course is designed to show students the methods and materials used to finish the interior of a house. Topics include the reading of plans, preparation and application of the various ceiling materials, partition layout, wall and partition panels, door frames, hanging doors, closets, bathroom linings, kitchen cabinets, interior trims, finishing hardware, and material estimating. (5 hrs. lect.; 18 hrs. lab. per week)

CARP 93V COOPERATIVE EDUCATION (1–4)
Prerequisite: Placement in ENG 100; MATH 50, OR Placement in MATH 150 or higher.
Instructor approval required.
CARP majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in carpentry. Students may enroll 4 times for a maximum of 12 credits. (5 hrs. work experience per week per credit)

CHEMISTRY (CHEM)

CHEM 100 CHEMISTRY AND SOCIETY (3) (DP)
Co-requisite: CHEM 100L
A non-mathematical descriptive overview designed to give the non-science major a basic understanding of chemistry, particularly as it relates to problems of society and the environment. The course includes topics such as atomic structure, chemical bonding, nuclear power and energy sources, air and water pollution, pesticides, drugs, plastics, soaps and detergents, and nutrition. (3 hrs. lect. per week)

CHEM 100L CHEMISTRY AND SOCIETY LABORATORY (1) (DY)
Co-requisite: CHEM 100
Experiments illustrating the role of chemistry in society to the nonscientist. (3 hrs. lab. per week)

BLAW

CHEM 105 Environmental Chemistry (4) (DP) + (DY)
*Prerequisite: ENG 100 + ENG 100T OR ESL 13 & 14 OR Placement in ENG 100 + ENG 100S or ESL 23;
Placement in MATH 24 or higher or Completion of MATH 50*
OESM and FIRE majors (LBRT: Request Instructor Approval)
Introductory chemistry course covering basic and applied chemistry necessary for understanding toxicological and environmental effects of chemicals. Coordinated lecture and laboratory activities in basic chemistry, hazardous materials, applied biochemistry, and environmental chemistry.
(3 hrs. lect.; 3 hrs. lab. per week)

CHEM 105C Cosmetic Chemistry (3) (DP)
*Co-requisite: COSM 30, COSM 31, COSM 32, and COSM 33
COSM majors only.*
Application of chemical principles to cosmetology. The course content will include: atomic structure, chemical bonding, acids and bases, hair structure, shampoos, bleaches and tints, waving and hair straightening.
(3 hrs. lect. per week)

CHEM 131 Preparation for General Chemistry (3)
Prerequisite: MATH 25 OR Placement in MATH 103
For students lacking preparation in chemistry. Provides background in algebra and elementary concepts of chemistry in preparation for entering the General Chemistry sequence. May be taken on a CR/N basis. (3 hrs. lect. per week)

CHEM 151 Elementary Survey of Chemistry (3) (DP)
Prerequisite: MATH 25 OR Placement in MATH 103
Intended to provide the beginning student with a non-rigorous, but adequate, background in the fundamentals of chemistry. Suitable for students preparing for training in the life sciences and for those seeking a practical approach to chemistry.
(3 hrs. lect. per week)

CHEM 151L Elementary Survey of Chemistry Laboratory (1) (DY)
*Prerequisite: MATH 25 OR Placement in MATH 103
Co-requisite: CHEM 151*
Experiments introducing laboratory techniques and illustrating chemical principles.
(3 hrs. lab. per week)

CHEM 161 General Chemistry I (3) (DP)
*Prerequisite: MATH 103, OR Placement in MATH 135
Co-requisite: CHEM 161L*
Basic principles of chemistry including stoichiometry. Introduction to solution phase chemistry. Gas phase chemistry. Introduction to thermodynamics, including enthalpies of formation and reaction. Introduction to atomic structure, periodic trends, chemical bonding, molecular structure. (3 hrs. lect. per week)

CHEM 161L General Chemistry I Laboratory (1) (DY)
*Prerequisite: MATH 103, OR Placement in MATH 135
Co-requisite: CHEM 161*
Laboratory experiments illustrating concepts of chemistry discussed in CHEM 161.
(3 hrs. lab. per week)

CHEM 162 General Chemistry II (3) (DP)
*Prerequisite: CHEM 161 and MATH 135 OR Placement in MATH 140
Co-requisite: CHEM 162L*
(Continuation of CHEM 161) Liquids and solids. Solutions and colligative properties. Continuation of thermodynamics, including entropy and free energy. Principles and applications of chemical equilibrium, including acid-base chemistry (titrations, buffers). Kinetics. Redox reactions and electrochemistry.
(3 hrs. lect. per week)

CHEM 162L General Chemistry II Laboratory (1) (DY)
*Prerequisite: CHEM 161L and MATH 135 OR Placement in MATH 140
Co-requisite: CHEM 162*
Laboratory experiments illustrating concepts of chemistry discussed in CHEM 162.
(3 hrs. lab. per week)

CHINESE (CHN) *

CHN 101 Elementary Mandarin I (4)
Prerequisite: Placement in ENG 100 OR "C" or higher in ENG 100 OR Instructor Approval
This course is the first half of Elementary Chinese that teaches basic listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

CHN 102 Elementary Mandarin II (4)
Prerequisite: CHN 101
This course is the second half of Elementary Chinese that teaches basic listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

* Native speakers may not take language courses for credit.

CIVIL ENGINEERING (CE)

CE 270 Applied Mechanics I (3)
Prerequisite: PHYS 170
The study of equilibrium of rigid bodies under the action of forces and the application of the principles of mechanics to solve static problems in engineering. Vectors, force systems, friction, centroids and moment of inertia. (3 hrs. lect. per week)

CE 271 Applied Mechanics II (3)
Prerequisite: "C" or higher in CE 270 and in MATH 242
Dynamics of particle and rigid bodies; force-acceleration; impulse-momentum; work-energy.
(3 hrs. lect. per week)

COMMUNICATION ARTS (CA)

CA 100 Survey of Graphic Styles (3)
Prerequisite: Placement in ENG 100
The history, theory and criticism of communication arts since the industrial revolution, including how

CHN

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - CA

technology has been integrated into its production. The course will include an overview of production methods used in the communication arts today. (3 hrs. lect. per week)

CA 101 Power of Advertising (3)
Prerequisite: Placement in ENG 100
A look at the world of mass communications and its interrelationship to our culture. This course studies the impact and relevance of mass media on our society as technology moves us even farther into the information age. Emphasis is on how media affects and manipulates popular culture today through the understanding of the relationship between mass communication and culture. (3 hrs. lect. per week)

CA 121 Art and Media Preparation I (4)
CA majors only.
Art and Media Preparation I focuses on the preparation and the creation of media assets of art work for printing and web delivery. Emphasis is on Illustrator and PhotoShop for direct and indirect input to include drawing, tracing, manipulating, and motion imaging for importing/exporting. (4 hrs. lect./demo. per week)

CA 122 Copy Preparation (4)
CA majors only.
Copy Preparation focuses on preparing text for print production and web delivery using appropriate programs in combination with applicable hardware. Emphasis is on skill development in typesetting to include understanding type fundamentals, fonts, typographic imaging for special effects, as well as type for the web. (4 hrs. lect./demo. per week)

CA 123 Color Theory and Issues (4)
CA majors only.
Color is the study of basic color theories that focuses on understanding hue, value and saturation as it applies to the perception of color and color mixing to control contrasts, illusions, and spatial effects. Some of the issues include: digital color and its differences from pigment-based color; color spaces; hexadecimal colors on through digital display concerns on resolution and its effect on color. (4 hrs. lect. per week)

CA 125 Beginning Graphic Design (4)
CA majors only.
An introductory course in graphic design solutions, to include the application of art and communication skills to problem solve for visual solutions for business and industry needs. Emphasis is on design fundamentals; communicative concepts, strategy, and problem solving processes; typography; as well as various delivery formats. Students may enroll 2 times for a maximum of 8 credits. (4 hrs. lect. per week)

CA 131 Art and Media Preparation II (4)
Prerequisite: CA 121
Art and Media Preparation II focuses on the preparation and the creation of media assets of art work for printing and web delivery. Emphasis is on digital photographs and basic video editing to prepare

video clips for use as assets in other media. Topics to also include color and color correction, calibration and compression issues. (4 hrs. lect. per week)

CA 132 Page Composition (4)
Prerequisite: CA 121 and CA 122
CA majors only.
Page Composition is a design and layout course for preparing digital files primarily for offset print production while addressing web layout differences. Emphasis is on composing layouts for brochures, newspaper ads and other print formats incorporating special effects, as well as single, spot and full color separations and trapping. (4 hrs. lect. per week)

CA 134 Digital Photography (4)
Introduction to digital photography. Emphasis on tools, techniques, and software used to acquire and manipulate digital images. Digital camera required. (4 hrs. lect. per week)

CA 135 Typographic Design (4)
Prerequisite: CA 122
Prerequisite or Co-requisite: CA 125
CA majors only
A design course emphasizing the function of type to convey a message, establish a mood, attract attention, and/or create emphasis through typographic design projects that use type as the primary element in composition. Topics to include historical and contemporary type issues as well as web specific issues. Students may enroll 2 times for a maximum of 8 credits. (4 hrs. lect./demo. per week)

CA 142 Page and Web Layout (4)
Prerequisite: CA 131 and CA 132
CA majors only.
A composing course for preparing and managing digital media assets and layouts for web delivery and print production. Emphasis is on multiple deliveries and encompasses understanding of internet technologies and services. (4 hrs. lect. per week)

CA 143 Prepress and Digital Printing (4)
Prerequisite: CA 123 and CA 132
CA majors only.
Prepress and Digital Printing focuses on correcting and printing composited page layout files. Emphasis is on the preparation of the mechanical to successfully output to a digital device. Topics include color management, preflighting, printing, line conversion, full color separation, as well as hard and soft proofing. Students may enroll 2 times for a maximum of 8 credits. (4 hrs. lect. per week)

CA 145 Graphic Design (4)
Prerequisite: CA 100, 101, 123, 132, 135
CA majors only.
An advanced course in design solutions for various print related needs such as posters, brochures, publications, symbols and corporate systems. Topics to include web design principles as well.

Communication skills to include oral, written and visual presentation. Students may enroll 2 times for a maximum of 8 credits. (4 hrs. lect. per week)

CA 146 Advertising Design (4)
Prerequisite: CA 100, 101, 123, 132, 135
CA majors only.
An advanced design course for planning and producing promotional and advertising material primarily for print media in consumer advertisements, direct advertising, point of purchase and public relations. Emphasis is on art direction and techniques used in the development of an ad campaign. Topics will include web and social media issues. Students may enroll 2 times for a maximum of 8 credits. (4 hrs. lect. per week)

CA 150 Special Projects (4)
Prerequisite: CA 132
CA majors only.
An advanced course that provides students with on-the-job experience in a classroom environment. Emphasis is on producing posters, brochures, and other publications from conception to finish printed material. Extensive use of computer and other media skills. (4 hrs. lect. per week)

CA 152 The Business of Advertising (4)
Prerequisite: CA 101
Prerequisite or Co-requisite: CA 145 or CA 146
CA majors only.
Overview of the structure of the advertising industry including an in-depth look at current business practice and employment in the various areas of the industry. (4 hrs. lect. per week)

CA 155 Portfolio Presentation and Review (4)
Prerequisite: CA 145
CA majors only.
Preparation, presentation, and review of a professional visual portfolio as required for employment in Communications Art and related fields. Emphasis on developing a cohesive presentation format of projects reflecting various skills. (4 hrs. lect. per week)

CA 193V Cooperative Education (1-4)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 24 OR Placement in MATH 25 or higher
Instructor approval required.
CA majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Communication Arts. Students may enroll 4 times for a maximum of 12 credits. (5 hrs. work experience per week per credit)

COMPUTING, SECURITY, AND NETWORKING TECHNOLOGY (CSNT)

[Formerly Computing, Electronics, and Networking Technology (CENT)]

(See also Information and Computer Science)

CSNT 110 Introduction to Information Systems (3) (Formerly CENT 110)
Prerequisite: Placement in ENG 100; Placement in MATH 103 or MATH 135 or higher; and ICS 100 or ICS 101
This course provides an overview of Information Technology and introduces Internet resources and the fundamental concepts and skills of software development. Topics related to Internet resources include terminology, file formats, naming conventions, and current issues related to the Internet. Students will also learn basic programming skills and software development including discussion of compilers, interpreters, clients and servers, naming issues, programming languages and syntax. Another course may be substituted if ICS 111 has already been completed. Cross-listed as ICS 110P. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 116 Security Awareness Concepts and Principles (1) (Formerly CENT 116)
Prerequisite: ICS 100 or ICS 101
This course provides a basic survey of IT security awareness and data confidentiality, using a broad, easy to understand approach that explains the value of securing data, both for individuals and organizations. The class provides an overview of legislation, local, state, and federal privacy policies and liability of individuals and institutions related to data confidentiality and integrity. The course introduces risk management, security policies, and common threats and countermeasures. The course also presents best practices in access control and password policies. (1 hr. lect. per week)

CSNT 132 ICT Support (4) (Formerly CENT 132)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 103 or MATH 135 or higher; AND ICS 100 or ICS 101
This course will provide the student with an introduction to Information and Communication Technology (ICT) support. The student will learn how to install, configure and maintain devices, PCs and software. Additional topics in wired and wireless networking, security and troubleshooting are also covered in this course. This course is based upon ICT industry certification standards. (3 hrs. lect.; 3 hrs. lab. per week)

CSNT 140 Computer Networking I (4) (Formerly CENT 140)
Prerequisite: CSNT 132
This course introduces the OSI and TCP/IP models, industry standards, commonly used network topologies, IPv4 and IPv6 addressing, basic network copper cabling, routing and switching concepts, VLANs, distance vector routing protocols, ACLs, DHCP, NAT, and the configuration and use of routers and switches in the network. This course helps to prepare the student for the Cisco Certified Entry Networking Technician (CCENT) exam. (2 hrs. lect.; 6 hrs. lab. per week)

CSNT

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - CSNT

CSNT 180 Introduction to Data Analytics (2)
Prerequisite: Placement in ENG 100; Placement in MATH 103 or MATH 135 or higher; ICS 100 or ICS 101
ICS 101 meets a prerequisite for transferring to the Shidler College of Business at UH Manoa.
This course provides an overview of changes in technology and culture driving the development of new data science and analytics occupational areas, the data analytics process lifecycle, and tools and resources available for analytics projects. Students will use spreadsheets, analytics systems, or other online resources to obtain, explore, model, and visualize data.
(1 hr. lect.; 3 hrs. lab. per week)

CSNT 181 Analytics Systems I (2)
Prerequisite: Placement in ENG 100; Placement in MATH 103 or MATH 135 or higher; ICS 100 or ICS 101
This course will introduce students to using industry developed and supported data analytics systems. Students will work with actual industry data analytics platforms and will perform the typical functions of a data practitioner. Activities include defining the project, sourcing and entering data into the system, as well as analyzing and visualizing the data. Possible industry data solution providers include Splunk, Microsoft Azure, Nvidia and AWS.
(1 hr. lect.; 3 hrs. lab. per week)

CSNT 184 Machine Learning (2)
Prerequisite: CSNT 110
Recommended Prep: CSNT 180
This course introduces fundamental concepts and applications of machine learning. Students will learn how to build machine learning solutions to commercial, scientific, or everyday problems. They will be exposed to various machine learning algorithms while understanding the advantages and shortcomings of each. They will learn how to handle and represent data processed by these algorithms and use visualization tools to determine which aspects of data to emphasize. (1 hr. lect.; 3 hrs. lab. per week)

CSNT 185 Analytics Systems II (2)
Prerequisite: CSNT 181
CSNT 185 is a continuation of CSNT 181 Analytics Systems I. Students will again work with actual industry data analytics platforms. In this course, students will gain more in-depth experience in participating in a data analytics project and applying the skills of a data practitioner. Basic data analytics solutions and advanced industry data solutions in Machine Learning, Deep Learning and Artificial Intelligence will be explored. Possible industry data solution providers include Splunk, Microsoft, Nvidia and AWS. (1 hr. lect.; 3 hrs. lab. per week)

CSNT 227 Networking with TCP/IP (4)
(Formerly CENT 227)
Prerequisite: CSNT 140
This course covers the essentials of networking computers using the TCP/IP protocol. Students examine the OSI model layers 2 through 7 in great detail. Lab work includes using a protocol analyzer to view and analyze network traffic.
(3 hrs. lect.; 3 hrs. lab. per week)

CSNT 228 System Administration & TCP/IP Networking with Unix/Linux (4)
(Formerly CENT 228)
Prerequisite: CSNT 110
Prerequisite or Co-requisite: CSNT 140
The System Administration component of this course uses the Linux operating systems to introduce essential knowledge and skills for maintaining a computer that uses UNIX or Linux operating system. Students install the operating system, maintain user accounts, manage file systems and processes, install and configure software, and perform routine system maintenance and backup functions. The TCP/IP Networking with Unix/Linux component of the course examines protocols commonly used in TCP/IP networks. Students will use a protocol analyzer to examine data packets at the bit level for a various protocols including Ethernet, Address Resolution Protocol (ARP), Internet Control Messaging Protocol (ICMP), the User Datagram Protocol (UDP), Transmission Control Protocol (TCP), and the Domain Name System (DNS). (3 hrs. lect., 3 hrs. lab. per week)

CSNT 231 Telecommunications (4)
(Formerly CENT 231)
Prerequisite or Co-requisite: CSNT 240
Recommended Prep: PHYS 105
This course provides an introduction to telecommunication systems with an emphasis on digital data communication. Topics include transmission techniques, transmission media, the public switched telephone system, digital encoding schemes, and the emerging technologies of data communication. (3 hrs. lect.; 3 hrs. lab. per week)

CSNT 240 Computer Networking II (4)
(Formerly CENT 240)
Prerequisite: CSNT 140
This is an intermediate course in computer networking. Hierarchical and scalable network design concepts are introduced. Topics include LAN design and redundancy; link aggregation and first hop redundancy protocols; EIGRP and OSPF routing protocols; WAN technologies; point to point connections; broadband remote access technology options; remote access connections, VPNs, and tunneling; BGP; access control lists; network security and monitoring; quality of service; cloud and network virtualization; Internet of Things; and network troubleshooting. This course helps to prepare the student for the Cisco Certified Network Associate (CCNA) Routing and Switching exam.
(3 hrs. lect.; 3 hrs. lab. per week)

CSNT 253 System Administration with Unix/Linux I (4)
(Formerly CENT 253)
Prerequisite: CSNT 132, CSNT 110
Prerequisite or Co-requisite: CSNT 140
This course uses the Linux operating system

CSNT

to introduce essential knowledge and skills for maintaining a computer that uses a UNIX or Linux operating system. Students install the operating system, maintain user accounts, manage file systems and processes, install and configure software and hardware, and perform routine system maintenance and backup functions. Students learn accepted practices and responsibilities of system administrators.
(3 hrs. lect.; 3 hrs. lab. per week)

CSNT 270 Network Operating Systems I (4)
(Formerly CENT 270)
Prerequisite: CSNT 140
This course covers the installation, configuration and administration of a network server and the deployment and administration of workstation machines. This course also introduces the student to the management of a Computer Network.
(3 hrs. lect.; 3 hrs. lab. per week)

CSNT 275 Security Essentials (3)
(Formerly CENT 275)
Prerequisite: CSNT 228 or CSNT 253
Prerequisite or Co-requisite: CSNT 240 and CSNT 270
This course will provide the student an introduction to the basics of information security. Topics include risk identification and mitigation; security controls used to maintain confidentiality, integrity and availability; and the identification of appropriate technologies and products used to secure an information system. Awareness of applicable policies, laws and regulations, infrastructure, application, and information security are also discussed in this course.
(2 hrs. lect.; 3 hrs. lab. per week)

CSNT 280 Database Systems I (3)
(Formerly CENT 280)
Prerequisite: CSNT 110/ICS 110P and CSNT 132
CSNT 280 is a prerequisite for the CSNT APC Program
CSNT (formerly CENT), ISA and ICS majors only
This course will introduce the student to the field of database systems. Students will learn concepts, principles, and types of database models including: flat file, relational, object relational and object-oriented. Extensive coverage of modeling and design of common database systems like relational databases will be the major focus of this course. Students will learn concepts and principles of database query languages, such as structured query language (SQL).
(2 hrs. lect.; 3 hrs. lab. per week)

CSNT 285 Introduction to Internet Applications/Web Applications (3)
(Formerly CENT 285)
Prerequisite: ICS 111 and CSNT 280
This course will introduce the student to the fields of Internet applications and Web applications. Students will learn concepts, technologies, and principles that support these applications including the development of an application architecture, an interface design, implementation of business rules and storage of data necessary for modern interactive applications. Students will also become familiar with special

considerations to be accounted for when developing these types of applications including performance, security and other related issues.
(2 hrs. lect.; 3 hrs. lab. per week)

CSNT 290V CSNT Internship (1-4)
(Formerly CENT 290V)
Prerequisite: CSNT 140
Instructor approval required.
CSNT majors only.
CSNT Internship provides instruction and hands-on work experience related to the major field of interest, under the guidance of an Honolulu CC faculty member and a work site supervisor. The semester's study should be comprehensive, covering as many aspects of the career field as possible. Emphasis is placed on integrating classroom and laboratory instruction with real world experience. In addition to work production and technical skills, particular attention will be directed towards workplace ethics and the student's ability to demonstrate positive work habits. Under special circumstances, and with prior approval, CSNT 290V/293V may be repeated for up to 8 credits. However, only 3 credits can be applied toward CSNT program requirements.
(5 hrs. work experience per week per credit)

CSNT 293V Cooperative Education (1-4)
(Formerly CENT 293V)
Prerequisite: CSNT 140
Instructor approval required.
CSNT majors only.
Cooperative Education provides instruction and paid hands-on work experience related to CSNT, under the guidance of an Honolulu CC faculty member and a work site supervisor. The semester's study should be comprehensive, covering as many aspects of the career field as possible. Emphasis is placed on integrating classroom and laboratory instruction with real world experience. In addition to work production and technical skills, particular attention will be directed towards workplace ethics and the student's ability to demonstrate positive work habits. Under special circumstances, and with prior approval, CSNT 290V/293V may be repeated for up to 8 credits. However, only 3 credits can be applied toward CSNT program requirements.
(5 hrs. work experience per week per credit)

CSNT 305 Information Systems Security (3)
(Formerly CENT 305)
Prerequisite or Co-requisite: CSNT 275
This course is designed to introduce students to the fundamental concepts of information systems security. Students will learn the basics of developing a security policy, network security, security software tools, layered security, incident handling, intrusion detection and legal issues. Network security devices such as firewalls and packet filters will also be featured.
(3 hrs. lect. per week)

CSNT

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions -CSNT

CSNT 310 NETWORK SECURITY (3)
(FORMERLY CENT 310)
Prerequisite or Co-requisite: CSNT 275
This course introduces the student to the various methodologies for defending a network. Security is presented from the perspective of Defense in Depth. The students will be exposed to information system vulnerabilities and threats along with various methods of mitigation. The student will be introduced to the concepts, principles, types and topologies of firewalls including: packet filtering, proxy firewalls, application gateways, and stateful inspection. This course will expose the student to the various defense methodologies associated with Virtual Private Networks (VPN), Host Intrusion Detection Systems (HIDS) and Network Intrusion Detection Systems (NIDS). The student will also be introduced to securing wireless, voice, and video systems. Securing Internet and collaborative applications will also be discussed. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 315 NETWORK MANAGEMENT (3)
(FORMERLY CENT 315)
Prerequisite or Co-requisite: CSNT 275
This course is designed to introduce students to the basics of managing a computer network. This course will cover the role of the network manager in developing and maintaining a computer networking environment. Concepts such as network planning, network administration, traffic monitoring, and network performance will be covered. Students will learn how to use network management tools. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 330 ETHICAL HACKING (3)
(FORMERLY CENT 330)
Prerequisite: CSNT 275
This course will provide the student with an overview of common methods and techniques used by attackers to penetrate and exploit a network or information system. Also featured in this course are the protocols and technologies used to build networked systems and the methods and controls which can be used to protect them. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 331 TELECOMMUNICATIONS II (3)
(FORMERLY CENT 331)
Prerequisite: CSNT 231 and CSNT 140
Recommended Prep: CSNT 345
This course will provide the student with a foundation in connection-oriented networks. SONET, ATM, MPLS and Carrier Ethernet are the featured technologies of this course. Traffic Engineering, Quality of Service, Virtual Private Networks and Transitional Technologies are also covered in this course. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 336 MALWARE ANALYSIS (3)
Prerequisite: CSNT 275
Recommended Prep: CSNT 330
This course will introduce students to modern malware analysis techniques using industry tools and techniques. Students will work with malicious artifacts and will perform analysis of malware typical of what is seen in modern intrusions. Activities include analyzing code, reverse engineering functionality, understanding persistence, and defending against malicious code. Industry tools such as NSA's Ghidra and IDAPro will be used along with deploying defensive measures such as YARA and Snort. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 340 ADVANCED ROUTING (3)
(FORMERLY CENT 340)
Prerequisite: CNST 240
Recommended Prep: CCNA
CSNT 340 focuses on advanced routing concepts for enterprise networks including connectivity for remote sites; routing protocols for IPv4 and IPv6 networks including RIPng, EIGRP, OSPF, and BGP; managing routing updates; path control; options for enterprise network connectivity; and securing routers and routing protocols. This course prepares the student for the CCNP ROUTE certification exam. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 345 MULTILAYER SWITCHING (3)
(FORMERLY CENT 345)
Prerequisite: CSNT 240
This course covers the features and operation of multilayer switching. Topics include: VLANs, VTP, STP, InterVLAN routing, Multilayer switching features, redundancy, QoS, and LAN security. This course is designed to help prepare the student for the Multilayer Switching CCNP Certification exam. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 350 JUNOS ROUTING (3)
(FORMERLY CENT 350)
Prerequisite: CSNT 240
This course will introduce the student to the Junos Operating System. Routing protocols such as OSPF and BGP, as well as routing instances are featured in this course. Routing policies, filters and class of service are also covered in this course. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 370 INTEGRATED NETWORK APPLICATIONS (3)
(FORMERLY CENT 370)
Prerequisite or Co-requisite: CSNT 275
This course provides an introduction to installing, configuring, and administering various network applications using a variety of network operating systems, such as Windows and Linux. Examples of network applications include messaging systems, naming systems, and other network management systems. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT 372 NETWORK OPERATING SYSTEMS II (3)
(FORMERLY CENT 372)
Prerequisite: CSNT 270
This course covers the installation, configuration and administration of a Network Infrastructure. Various network services and applications that enhance the administration, management and performance of a Computer Network are featured. Window server operating systems are emphasized. (2 hrs. lect.; 3 hrs. lab. per week)

CSNT

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

CSNT 375 Virtualization (3)
(Formerly CENT 375)
Prerequisite: CSNT 240 and CSNT 270
This course will provide the student with a foundation in server and client virtualization The student will install, configure and manage a server virtual environment. Virtual machines, live motion, monitoring, resource management, virtual networking, data recovery, high availability and fault tolerance are also covered in this course. Data center storage is also a featured topic of this course. Students may enroll 2 times for a maximum of 6 credits.
(2 hrs. lect.; 3 hrs. lab. per week)

CSNT 377 Cloud Infrastructure and Services (3)
(Formerly CENT 377)
Prerequisite: CSNT 240 and CSNT 270
This course will provide the student with an introduction to the technologies used to support traditional, virtualized, and cloud data center environments. Cloud deployment and service models, cloud infrastructure, and the key considerations in migrating to a cloud environment, are covered in this course. Backup/recovery, business continuity, security, and management of cloud environments are topics also covered in this course.
(2 hrs. lect.; 3 hrs. lab. per week)

CSNT 390 Special Topics in CSNT (3)
(Formerly CENT 390)
Prerequisite or Co-requisite: ENG 209 or 210 or 200; AND MATH 103 or 135 or higher
Instructor approval required.
This course will provide the student with the opportunity to develop skills in a specialized field of Information Technology. The content of this course will change as technology changes. The student should check with the instructor beforehand to determine the specific content of this course. May be taken twice for a maximum of 6 credits.
(2 hrs. lect.; 3 hrs. lab. per week)

COSMETOLOGY (COSM)

COSM 20 Elementary Cosmetology Theory (3)
Prerequisite: High School diploma or equivalent
Co-requisite: COSM 21, 22, 23 and HDFS 296
Recommended Prep: Placement in ENG 100 and MATH 100
COSM majors only.
Covers basic theory in hygiene and personal grooming; safety and infection control, salon ecology, design decisions, the law of color, the structure, diseases and disorders of hair, skin and nails. The Hawaii Revised Statutes 438 and 439; Hawaii Administrative Rules, Title 16, Chapter 78; Title 11, Board of Health Chapter 11.
(3 hrs. lect. minimum per week)

COSM 21 Elementary Natural Hair Services (6)
(Formerly COSM 21L)
Prerequisite: High School diploma or equivalent, Placement in ENG 100

Co-requisite: COSM 20, 22, 23 and HDFS 296
Recommended Prep: ENG 100 and MATH 100
COSM majors only.
Comment: Students must purchase a basic Cosmetology Kit and textbooks on the first day of class. Students are required to wear a uniform for safety while in the program; covered soft sole shoes (protects feet from chemical splashes, injury, and slipping on wet surfaces). Full length solid black pants or slacks (to protect legs from chemical spills and the color black will hide stains). Black "polo" type shirt with no logos (the "polo" style shirt is a unisex style for comfort). A black smock is also for protection and comfort. Elementary natural hair services will look at the use of art and science for hair sculpting and design. This course will introduce you to the "how" and "why" of hair sculpture and hair design. The students will learn how using procedural steps to achieve predictable results in hair services. After the introduction and demonstration of each area the students will be performing the techniques focusing on accuracy of each hair sculpture and hair design under the supervision of an instructor.
(3 hrs. lect. and 9 hrs. lab = 12 hrs. min. per week)

Additional Course Information: The National Industry Skills Standards for cosmetology abilities: problem sensitivity, arm-hand steadiness, finger dexterity, near vision, visualization , manual dexterity, depth perception, oral comprehension, and oral expression. As a salon professional you will be spending long hours standing, bending, reaching and repeating the same motions. "Cosmetology Fundamentals a Designer's Approach" By Pivot Point International

COSM 22 Elementary Chemical Hair Services (4)
Prerequisite: High School Diploma or equivalent; Placement in ENG 100
Co-requisite: COSM 20, 21, 23 and HDFS 296
Recommended Prep: ENG 100 and MATH 100
COSM majors only.
Comment: Students must purchase a basic Cosmetology kit and textbooks on the first day of class. Students are required to wear a uniform for safety while in the program; covered soft sole shoes (protects feet from chemical splashes, injury, and slipping on wet surfaces). Full length solid pants or slacks (to protect legs from chemical spills and the color black will hide stains). Black "polo" type shirt with no logos (the "polo" style is a unisex style for comfort). A black smock is also for protection and comfort. Elementary chemical hair services looks at the use of art, science and math for hair color, and texture services. Understanding the procedures and application techniques to achieve predictable results in hair color and hair texture services. After the introduction and demonstration of each area of hair color and texture services the students will be given the opportunity to practice, focusing on accuracy in various hair color applications and hair texture services using chemicals under the supervision of an instructor.
(12 hrs. lab min. per week)

Additional Course Information: The National Industry Skills Standards for cosmetology abilities; problem sensitivity, arm-hand steadiness, finger dexterity,

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - COSM

near vision, visualization, manual dexterity, depth perception, oral comprehension and oral expression. As a salon professional you will be spending long hours standing, bending, reaching and repeating the same motion. "Cosmetology Fundamentals a Designers Approach" By Pivot Point International

COSM 23 Basic Hair, Skin and Nail Care Skills (2)
Prerequisite: High School diploma or equivalent
Co-requisite: COSM 20, 21, 22 and HDFS 296
Recommended Prep: Placement in ENG 100 and MATH 100
COSM majors only.
Basic hair and nail care takes a closer look into Tricology, Dermatology and Onycology. The introduction of why and how to perform maintenance services for promoting healthy hair, skin and nails. This course will include the safety and infection control measures necessary for the industry.
(9 hrs. lect./lab per week)

COSM 30 Intermediate Cosmetology Theory (3)
Prerequisite: "C" or higher in COSM 20, 21, 22, 23
Co-requisite: COSM 31, 32, 33, and CHEM 105C
COSM majors only.
Students will be introduced to theory of anatomy, electricity, and Hawaii Revised Statutes, Hawaii Administrative Rules, and Board of Health laws that govern the Cosmetology industry. Subjects of chemical hair texture, hair color, and hair design will also be reviewed.
(3 hrs. lect. minimum per week)

COSM 31 Intermediate Cosmetology Clinic (5)
(Formerly COSM 31L)
Prerequisite: "C" or higher in COSM 20, 21, 22, 23
Co-requisite: COSM 30, 32, 33 and CHEM 105C
COSM majors only.
Comment: Students must have tools and implements required for the Cosmetology program and for the Intermediate courses. Students are required to have the proper dress requirements for safety and professional guidelines for the Cosmetology industry.
The students engage in practice of the skills they have acquired in their training on guests from the community in a beauty salon atmosphere. Students develop product recommendation skills in retailing.
(20 hrs. lab. minimum per week)

COSM 32 Intermediate Cosmetology skills (6)
Prerequisite: "C" or higher in COSM 20, 21, 22, 23
Co-requisite: COSM 30, 31, 33 and CHEM 105C
COSM majors only.
Comment: Student must have tools and implements required for the Cosmetology program and for the Intermediate courses. Students are required to have the proper dress requirements for safety and professional guidelines for the Cosmetology industry.
Intermediate cosmetology skills takes an up close and personal look at the art and sciences in the area of European type of skin care treatment, men's hair sculpting, men's color design, spa nail treatments, advanced chemical texturizing, makeup techniques, and advanced wet and thermal hair design. A design connection of art principals and elements are used to

see the overall bigger picture of what can be achieved. After the introduction and demonstration of each area, the student will be performing the techniques, focusing on accurate application to produce predictable results.
(3 hrs. lect.; 9 hrs. lab. minimum per week)

COSM 33 Life Skills for Cosmetology (1)
Prerequisite: "C" or higher in COSM 20, 21, 22, 23
Co-requisite: COSM 30, 31, 32 and CHEM 105C
COSM majors only.
This course contains the content of essential life skills that will create a personal foundation for learners. As a salon professional dealing with the public every day, these skills are particularly important. Students will have the opportunities to practice and refine these skills on the clinic floor, which will elevate the impact of their performance when relating to guests visiting the clinic and eventually the salon. Skills for character development, interpersonal relationships, professional communication, career planning and self-management are imparted.
(1 hr. lect. per week)

COSM 40 Advanced Cosmetology Theory (3)
Prerequisite: "C" or higher in COSM 30, 31, 32, 33
Co-requisite: COSM 41, 42, 43, and PHIL 101
COSM majors only.
Students will be introduced to the theory of salon business and management, and chemistry. Students will also review hair texture, hair color, nails, skin and the Hawai'i Revised Statutes, Hawai'i Administrative Rules, and Board of Health laws that govern the cosmetology industry.
(3 hrs. lect. minimum per week)

COSM 41 Advanced Cosmetology Clinic (5)
(Formerly COSM 41L)
Prerequisite: "C" or higher in COSM 30, 31, 32, 33
Co-requisite: COSM 40, 42, 43, and PHIL 101
COSM majors only.
Comment: Students must have tools and implements required for the Cosmetology program and for the Advanced courses. Students are required to have the proper dress requirements for safety and professional guidelines for the Cosmetology industry.
Students engage in practice of the advanced skills they have acquired in their training on guests from the community in a beauty salon atmosphere. The students continue their product recommendation skills in retailing. (20 hrs. lab. minimum per week)

COSM 42 Advanced Cosmetology (6)
Prerequisite: "C" or higher COSM 30, 31, 32, 33
Co-requisite: COSM 40, 41, 43, and PHIL 101
COSM majors only.
Comment: Students must have tools and implements required for the Cosmetology program and for the advanced courses. Students are required to have the proper dress requirements for safety and professional guidelines for the Cosmetology industry.
Advanced cosmetology skills looks at the art and sciences of using combinations of skills learned

COSM

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

in previous courses to created new hair sculpting, advanced hair care treatments, long hair designs, special hair color effects, advanced hair relaxing services, nail enhancements, skin care treatments , wigs and hair additions. Using art principles and elements, students see the overall picture of what can be achieved. Advanced procedural steps are applied to hair services to achieve a finished look in preparation for the entry level in the industry. After the introduction and demonstration of each area, the student will be performing the techniques focusing on accurate application under the supervision of the instructor. (3 hrs. lect., 9 hrs. lab. per week minimum)

COSM 43 Salon Management (1)
Prerequisite: "C'' or higher in COSM 30, 31, 32, 33
Co-requisite: COSM 40, 41, 42, and PHIL 101
COSM majors only.
The students engage in the understanding of salon management skills, with the emphasis on how to build and maintain a clientele necessary to become successful in the cosmetology industry.
(1 hr. lect. per week)

COSM 50V Cosmetology Theory and Practice (2–12)
Prerequisite: "C'' or higher in COSM 40, 41, 42, 43
Instructor approval required.
COSM majors only.
Continuation of cosmetology theory and lab. Hours attended apply toward the 1800 hours required to qualify for the Cosmetology Licensing State Board Examination. Students may enroll 2 times for a maximum of 12 credits.
(33 hrs. lect./lab. minimum per week)

COSM 80V Cosmetology Instructor Training (1–13)
Prerequisite: Valid Cosmetology license, one year Cosmetology full-time work experience and meet all the Hawai'i State Cosmetology Board Teacher Training requirements; AND Placement in ENG 100.
Instructor approval required.
COSM majors only.
The application of teaching principles in the area of cosmetology with the development of communication skills in theoretical and technical knowledge acquired from experience in the field of cosmetology. Techniques of individual and group instruction in laboratory and related classes; evaluation of various methods. Student may meet criteria to take Hawai'i State Cosmetology Board Teacher's Exam for license. Repeatable until 13 credits are earned.
(40 hrs. lect./lab. maximum per week)

COSM 93V Cooperative Education (1-4)
Prerequisite: "C" or higher in COSM 20, 21, 22, 23 and COSM 30, 31, 32, 33; 1200 clock hours in Cosmetology; Proof of medical insurance.
Instructor approval required.
COSM majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Cosmetology. Students may enroll 2 times for a maximum of 4 credits.
(5 hrs. work experience per week per credit)

DIESEL MECHANICS TECHNOLOGY (DISL)

(Course hours are expressed as total hours for a term.)

DISL 20 Technical Practices (2)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Co-requisite: DISL 22, DISL 24, DISL 27
DISL majors only.
Classroom instruction and laboratory training in the identification, selection, safety procedures, use, and maintenance of protective hardware; lubricants and sealants; hand power tools; cleaning and lifting equipment; and precision measuring tools. The course also discusses hazardous waste.
(60 hrs. lect./lab. per term)

DISL 22 R & R Components (3)
Prerequisite: DISL 20
Co-requisite: DISL 24, DISL 27
DISL majors only.
Classroom instruction and hands-on training in the safe and proper techniques for the removal and replacement of S-Cam brakes, spring brake chamber, diaphragm, and wedge brakes; differentials, transmissions, and clutch assemblies; axle shafts, wheel bearings, and wheels (tire and rim assembly); front and rear spring assemblies, spring center bolts; walking beams; torque arms; drive shafts; and batteries, starters, fan belts, headlight and stop light bulbs. Adjustment of brakes, clutches, torque arms, wheel bearings, fan belts, and headlights follows manufacturer's specifications.
(90 hrs. lect./lab. per term)

DISL 24 Operator Orientation (2)
Co-requisite: DISL 20, DISL 22, DISL 27
DISL majors only.
Classroom instruction and laboratory training in safely moving a diesel truck in and out of a work stall. Instruction includes pre-trip inspection procedures; use of mirrors, guide persons, monitor gauges; starting and stopping the engine; applying service and parking brakes; moving forward and backward in a straight line, stopping on command, and turning in a forward and backward direction. Training also includes hoisting, tilting, and stacking pallets with a forklift. This course develops some of the competencies required for a CDL license. (60 hrs. lect./lab. per term)

DISL 27 Preventative Maintenance (5)
Co-requisite: DISL 20, DISL 22, DISL 24
Classroom instruction and laboratory training in correct procedures and practices of medium/heavy duty truck inspection. Students will learn to perform entry-level technician inspection tasks.
(150 hrs. lect./lab. per term)

DISL 31 Drive Train (4)
Prerequisite: DISL 20
Co-requisite: DISL 41
Classroom instruction and laboratory training covering both standard (single and multiple countershaft)

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

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manual transmissions. Specifically, through the disassembly, inspection, assembly, and adjustment of transmissions, a foundation will be provided for an understanding of the operating principles, basic components, and proper rebuilding and trouble shooting methods for transmissions. Also included will be Classroom instruction and laboratory training covering the disassembly, inspection, identification, and adjustment of several different models of differentials. Specifically, work stations will include: single reduction, two speed planetary reduction, and double reduction and interaxle differentials. Course exit competencies will include the ability to: disassemble and assemble; inspect parts; set bearing preload, backlash, and endplay; identify tooth contact pattern; and check gear runout and torque fasteners. All of these tasks will be performed to the required manufacturer specifications as found in the component manuals. (120 hrs. lect./lab. per term)

DISL 34 Brakes - Air and Hydraulic (5)
Prerequisite: DISL 20
Co-requisite: DISL 36, DISL 56
DISL majors only.
Classroom instruction and laboratory training covering air and hydraulic brake systems utilizing cutaways, training boards, components, and truck systems. Instruction in air brakes will include the assembly of a complete working system, followed by troubleshooting problems in the system. Also included will be proper brake adjustments and system testing, as well as repairs and safety when working with compressed air and spring brake chambers. Instruction in hydraulic brakes will include brake components, systems, troubleshooting and repairs, cutting drums and discs, and brake adjustments. Instruction will also include Air and Hydraulic Antilock Brake Systems (ABS) and Automatic Traction Control (ATC).
(150 hrs. lect./lab. per term)

DISL 36 Suspension and Steering (5)
Prerequisite: DISL 20
Co-requisite: DISL 34, DISL 56
DISL majors only.
Classroom instruction and laboratory training in suspension and steering component names and functions; frame inspection and repair; alignment of all axles; proper jacking and support of frame; overhaul of steering gear box and king pins; inspection of springs and hangars; driveline angle; checking and adjustment to front end caster, camber, toe, height, and tire balance; KPI and centering of gear box. Laboratory instruction will also include the disassembly, inspection, assembly, and adjustment of actual truck suspension systems, and computerized wheel alignment. (150 hrs. lect./lab. per term)

DISL 41 Diesel Engines (8)
Prerequisite: DISL 20
Co-requisite: DISL 31
Instruction will center around the theory and operation of two and four cycle diesel engines. Instruction will include the disassembly, reassembly, maintenance, and repair of Detroit Diesel, Cummins

Diesel, Caterpillar Diesel, and International Diesel engines. Cooling systems, lubrication, air and exhaust systems, fuel delivery and injection systems, and starting systems will also be covered.
(240 hrs. lect./lab. per term)

DISL 52 Electrical/Electronic Systems (8)
Prerequisite: DISL 20
Prerequisite or Co-requisite: PHYS 100 & 100L, or PHYS 104
Co-requisite: DISL 61
DISL majors only.
Classroom instruction and laboratory training covering the purpose, design, theory, and operating principles of electrical/electronic systems. Special emphasis will be placed on developing the skills required to test, service, and repair electrical/electronic components and associated systems. (240 hrs. lect./lab. per term)

DISL 56 Hydraulics (2)
Prerequisite: DISL 20
Co-requisite: DISL 34, DISL 36
DISL majors only.
Instruction beginning with the fundamentals of hydraulic theory followed by instruction in the service, repair, and overhaul of the hydraulic circuits used on both stationary and mobile machinery.
(60 hrs. lect./lab. per term)

DISL 61 Heating, Ventilation, and Air Conditioning (4)
Prerequisite: DISL 20
Co-requisite: DISL 52
This course covers shop safety, training in specialty tools and equipment. Included are fundamental theories, diagnosis, and repair practices to automotive air conditioning systems. Presented in the course are the operation and function of the vacuum, electrical, and refrigeration circuits, along with computer controlled climate control systems.
(120 hrs. lect./lab. per term)

DISL 93V Cooperative Education (1–4)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Instructor approval required.
DISL majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Diesel Mechanics Technology. Students may enroll 4 times for a maximum of 12 credits.
(5 hrs. work experience per week per credit)

EARLY CHILDHOOD EDUCATION (ECED)

ECED 105 Introduction to Early Childhood Education (3)
Prerequisite: Placement in ENG 100
Introduces and explores the nature of the field of early childhood education and care. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED

ECED 110 Developmentally Appropriate Practices (3)
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. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 115 Health, Safety and Nutrition for the Young Child (3)
(Formerly ECED 215)
Prerequisite: Placement in ENG 100
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. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 127 Issues in Diversity (3)
Prerequisite: Placement in ENG 100
This course compares and analyzes the dynamic interaction of race, culture, gender and class as it relates to the education of children from diverse populations. Students contrast cultural and historical perspectives of various groups to increase knowledge, attitudes and skills necessary to educate children in a multicultural and pluralistic society. Barriers that interfere with working effectively with diverse families or groups are addressed. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 131 Early Childhood Development: Theory into Practice (3)
Prerequisite: Placement in ENG 100
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. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 140 Guiding Young Children in Group Settings (3)
Prerequisite: Placement in ENG 100; "C" or higher in ECED 131
Addresses positive ways to support children's social-emotional development. Focuses on adult-child and child-child interactions and relationships. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 151F Field Experience Practicum #1 in Early Childhood (3)
(Formerly ECED 191)
Prerequisite: Placement in ENG 100; "C" or higher in ECED 110 and in ECED 131 or HDFS 230
Prerequisite or Co-requisite: ECED 140
Co-requisite: ECED 151S
Instructor approval required.
A field-based practicum that serves as a mid-program supervised work experience in an early childhood education and care setting. It is designed to support students in integrating content knowledge with practice. May be taken on a CR/N basis. Students must be concurrently enrolled in ECED 151S. (15 hrs. practicum per week)

ECED 151S Field Experience Practicum #1 in Early Childhood Education Seminar (1)
(Formerly ECED 151)
Prerequisite: Placement in ENG 100; "C" or higher in ECED 110 and in ECED 131 or HDFS 230
Prerequisite or Co-requisite: ECED 140
Corequisite: ECED 151F
Instructor approval required.
A discussion seminar designed to accompany ECED 151F and to support students as they integrate content knowledge with practice. May be taken on a CR/N basis. Students must be concurrently enrolled in ECED 151F. (1 hr. lect. per week)

ECED 152 Early Literacy Development (3)
Prerequisite: Placement in ENG 100
This course begins with a survey of the history and contemporary issues and trends in early literacy development. It includes an in-depth exploration of how young children learn to read and write and what teachers and caregivers need to know and be able to do to support literacy development from birth through the primary years. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 155 Creative Art for Young Children (3)
Prerequisite: Placement in ENG 100; "C" or higher in ECED 110
Principles and practices in planning, implementation and assessment of appropriate creative art and aesthetics experiences in early childhood settings. Students will experience diverse art and aesthetics activities that are appropriate for young children. Individual and as a group, the students will then develop appropriate activities and experiences for young children. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 156 Music and Movement for Young Children (3)
Prerequisite: Placement in ENG 100; "C" or higher in ECED 110
Principles and practices in planning, implementation and assessment of appropriate music and creative movement experiences in early childhood settings. Students will experience diverse activities that are appropriate for young children. Individually and as a group, the students will then develop appropriate activities and experiences for young children. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 157 Puppetry for Young Children (3)
Prerequisite: Placement in ENG 100; "C" or higher in ECED 110
This course introduces making and using puppets with children for curriculum enhancement and promotion of children's skills in language and literacy, reasoning, problem solving, and expression of feelings. It includes designing meaningful puppetry activities and evaluating those activities when implemented. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - ECED

ECED 158 The Hawaiian Culture for Young Children (3)
Prerequisite: Placement in ENG 100; "C" or higher in ECED 110
This course gives an overview of the culture of Hawai'i that can be brought into the preschool classroom. Students will explore and study different aspects of the culture to identify understandings of the culture that are appropriate for young children. Individually and as a group, the students will develop appropriate activities and experiences for young children. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 170 Introduction to Working with Infants and Toddlers (3)
Prerequisite: Placement in ENG 100
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. May be taken on a CR/N basis.
(3 hrs. lect. per week)

ECED 234 Observation and Assessment (2)
Prerequisite: ENG 100; "C" or higher in ECED 105, and in ECED 131
Advanced skills in methods of observing and recording behavior and assessing children. May be taken on a CR/N basis. (2 hrs. lect. per week)

ECED 245 Child, Family and Community (3)
Prerequisite: ENG 100; "C" or higher in ECED 105
Develops communication skills and other strategies for building effective relationships with diverse families and relevant community members. Introduces students to the local resources available for family referral. May be taken on a CR/N basis.
(3 hrs. lect. per week)

ECED 257 Early Mathematical Development (3)
Prerequisite: Placement in MATH 75X or higher; "C" or higher in ECED 110
This course gives an overview of the theoretical foundations and contemporary practices that support mathematical thinking in young children. The Principles and Standards for School Mathematics by the National Council of Teachers of Mathematics (2000) serve as a guide for the content and inquiry processes that are essential to an effective mathematics curriculum. May be taken on a CR/N basis.
(3 hrs. lect. per week)

ECED 263 Language and Creative Expression Curriculum (3)
Prerequisite: ENG 100; "C" or higher in ECED 110 and ECED 131
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. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 264 Inquiry and Physical Curriculum (3)
Prerequisite: ENG 100; "C" or higher in ECED 110 and ECED 131
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.
May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 265 Children's Literature for Early Childhood Teachers (3)
Prerequisite: ENG 100; "C" or higher in ECED 110
A survey of literature for young children with a focus on presenting picture books in early childhood classrooms. This course will provide an overview of exemplary authors and illustrators of children's literature, picture book genres, storytelling, and ways to incorporate literature throughout the early childhood curriculum. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 269 Integrated Curriculum in Early Education (3)
Prerequisite: ENG 100
Prerequisite or Co-requisite: ECED 263 or ECED 264
Foundations and practice in designing, planning, implementing and evaluating integrated curriculum for preschool and young primary children. This course also includes an introduction to the social studies curriculum. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 274 Infant-Toddler Environments and Relationships (3)
Prerequisite: ENG 100; "C" or higher in ECED 170
Focuses on the inter-relatedness of and the connections between the care and education environment, teaching and caregiving styles, personal and professional development, curriculum and relationships with parents, families, and co-workers. Current issues and trends in the field of infant and toddler education and care are examined. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 275 Including Children with Special Needs (3)
Prerequisite: ENG 100; "C" or higher in ECED 131
Recent legislation, including the Americans with Disabilities Act and research pertaining to early childhood services suggest a growing emphasis in full inclusion of children with special needs in all early childhood settings (family childcare, preschools, kindergarten, etc.). The research indicates that inclusion with their typically developing peers has significant benefits for young children who are at-risk or demonstrate developmental delays and disabilities. Early childhood personnel are key persons in identifying children who may have developmental delays and disabilities and seeing that they have

ECED

Course Descriptions - EALL

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

developmentally appropriate early education experiences similar to those provided to their typically developing peers. May be taken on a CR/N basis. (3 hrs. lect. per week)

ECED 296B Infant-Toddler Seminar: Field Experience in Early Childhood Education II (2)
Prerequisite: ENG 100; "C" or higher in ECED 131 or HDFS 230, and in ECED 151F, ECED 151S, and ECED 170
Prerequisite or Co-requisite: ECED 263 or ECED 264, and ECED 274
Co-requisite: ECED 296I
Recommended Prep: ECED 115 and ECED 245
Instructor approval required.
Seminar for the Infant/Toddler Advanced Field Experience class which provides a culminating supervised work experience in an early childhood education and care setting with infants and toddlers. It is designed to support students in integrating content knowledge with practice. May be taken on a CR/N basis. (2 hrs. lect. per week)

ECED 296C Preschool Seminar: Field Experience in Early Childhood Education II (2)
Prerequisite: ENG 100; "C" or higher in ECED 131 or HDFS 230, and in ECED 151F, and ECED 151S
Prerequisite or Co-requisite: ECED 263 and ECED 264
Co-requisite: ECED 296P
Recommended Prep: ECED 115 and ECED 245
Instructor approval required.
Seminar to accompany the Preschool Laboratory Field Experience II class which is the culminating supervised work experience in an early childhood education and care setting. The seminar is designed to support students in integrating content knowledge with practice. May be taken on a CR/N basis.
(2 hrs. lect. per week)

ECED 296I Infant-Toddler Laboratory: Field Experience in Early Childhood Education II (2)
Prerequisite: ENG 100; "C" or higher in ECED 131 or HDFS 230, and in ECED 151F, ECED 151S, and ECED 170
Prerequisite or Co-requisite: ECED 263 or ECED 264, and ECED 274
Co-requisite: ECED 296B
Recommended Prep: ECED 115 and ECED 245
Instructor approval required.
Provides a culminating supervised work experience in an early childhood education and care setting with infants and toddlers. It is designed to support students in integrating content knowledge with practice. May be taken on a CR/N basis. (6 hrs. lab. per week)

ECED 296P Preschool Laboratory: Field Experience in Early Childhood Education II (2)
Prerequisite: ENG 100; "C" or higher in ECED 131 or HDFS 230, and in ECED 151F and ECED 151S
Prerequisite or Co-requisite: ECED 263 and ECED 264
Co-requisite: ECED 296C
Recommended Prep: ECED 115 and ECED 245
Instructor approval required.
Provides a culminating supervised work experience in an early childhood education and care setting.

It is designed to support students in integrating content knowledge with practice. May be taken on a CR/N basis. (6 hrs. lab. per week)

EAST ASIAN LANGUAGE AND LITERATURE (EALL)

EALL 271 Japanese Literature in Translation (Traditional) (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
No knowledge of Japanese language is required.
Survey of traditional Japanese literature from ancient times to the mid-nineteenth century. Cross-listed as ENG 271. (3 hrs. lect. per week)

EALL 272 Japanese Literature in Translation (Modern) (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
No knowledge of Japanese language is required.
Survey from mid-nineteenth century to the present. Major emphasis on fiction. Cross-listed as ENG 272. (3 hrs. lect. per week)

ECONOMICS (ECON)

ECON 120 Introduction to Economics (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S; Placement in MATH 100 or higher
A broad introduction to understanding the functioning of economic systems and the problems of national economic performance in the United States. The problems of resource allocation in a market economy are also considered. Maximum of 6 credits transferable to UH Mānoa for any 2 of the following 3 courses: ECON 120, 130, 131. Note: This course does not satisfy requirements for Economics or Business majors at UH Mānoa. (3 hrs. lect. per week)

ECON 130 Principles of Economics I: Microeconomics (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S; Placement in MATH 100 or higher
Economic behavior of individuals and of business firms in a market economy. Analysis of how commodity and factor prices are determined. Examination of current problems in resource allocation. Maximum of 6 credits transferable to UH Mānoa for any 2 of the following 3 courses: ECON 120, 130, 131. Note: This course satisfies requirements for Economics and Business majors at UH Mānoa. (3 hrs. lect. per week)

ECON 131 Principles of Economics II: Macroeconomics (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S; Placement in MATH 100 or higher
Analysis of economic systems with emphasis on the forces determining levels and changes of national income in the U.S. economy. Describes basic economic institutions within the context of government policies concerning unemployment, inflation and growth.

EALL

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - EE

Maximum of 6 credits transferable to UH Mānoa for any 2 of the following 3 courses: ECON 120, 130, 131. Note: This course satisfies requirements for Economics and Business majors at UH Mānoa. (3 hrs. lect. per week)

ELECTRICAL ENGINEERING (EE)

EE 150 INTRODUCTION TO COMPUTER PROGRAMMING METHODS **(3)**
Prerequisite: MATH 140
Introductory course on computer programming methods; emphasis on planning, writing, debugging of programs, together with basic applications. (3 hrs. lect. per week)

EE 160 PROGRAMMING FOR **E**NGINEERS **(4)**
Prerequisite: MATH 135
EE 160, a course for prospective engineers, is an introductory course on computer programming and modern computing environments with an emphasis on algorithm and program design, implementation, and debugging. A hands-on laboratory to develop and practice programming skills is included. (3 hrs. lect.; 3 hrs. lab. per week)

EE 211 BASIC **C**IRCUIT **A**NALYSIS **I (4)**
Prerequisite or Co-requisite: MATH 243 OR Placement in MATH 244; AND Physics 272
Linear circuits, time-domain analysis, transient and steady-state reponses, phasors, impedance and admittance; network or system functions, frequency response and filtering, resonance. (3 hrs. lect.; 3 hrs. lab. per week)

EE 213 BASIC **C**IRCUIT **A**NALYSIS **II (4)**
Prerequisite: "C" or higher in EE 211
Prerequisite or Co-requisite: MATH 244
This is the second semester course in circuit analysis. It incorporates lecture and a lab to cover topics in advanced circuit analysis and in measuring instruments and techniques. (3 hrs. lect.; 3hrs. lab. per week)

EE 296 SOPHOMORE **P**ROJECT **(3)**
Prerequisite: "C" or higher in PHYS 170 or consent of instructor
EE 296 is a sophomore level individual or team project undertaken with pre-engineering faculty who give direction and guidance. The project provides design experience and develops practical skills for pre-engineering students intending to transfer to a four-year engineering program and major in Electrical Engineering. (2 hrs. lect.; 3 hrs. lab. per week)

ELECTRICAL INSTALLATION AND MAINTENANCE TECHNOLOGY (EIMT)

EIMT 30 ELECTRICAL **I**NSTALLATION **T**HEORY **I (4)**
Co-requisite: EIMT 32
EIMT majors only.
This course is designed to develop knowledge of basic and advanced residential wiring with emphasis on the National Electrical Code and the principles of residential blueprint reading. (5 hrs. lect. per week)

EIMT 32 ELECTRICAL **I**NSTALLATION **I (6)**
Co-requisite: EIMT 30
EIMT majors only.
This course is designed to provide the basic and advanced knowledge in residential wiring techniques. Laboratory exercises are designed to give students practical experience in different wiring techniques. (18 hrs. lab. per week)

EIMT 40 ELECTRICAL **I**NSTALLATION **T**HEORY **II (4)**
Prerequisite: "C" in EIMT 50 and in 52
Co-requisite: EIMT 42
EIMT majors only.
This course will take students into the more complex commercial and industrial wiring techniques with emphasis on the National Electrical Code and the principles of commercial and industrial blueprint reading. (5 hrs. lect. per week)

EIMT 42 ELECTRICAL **I**NSTALLATION **II (6)**
Prerequisite: "C" in EIMT 50 and in EIMT 52
Co-requisite: EIMT 40
EIMT majors only.
A course designed to advance the student to a higher level of electrical installation skills. This course will take students into more complex commercial and industrial wiring techniques. (18 hrs. lab. per week)

EIMT 44 AC/DC SYSTEMS AND **E**QUIPMENT **(4)**
Prerequisite: "C" in EIMT 30 and in EIMT 32
Co-requisite: EIMT 46
EIMT majors only.
This course is designed to advance the student into electrical principles of direct-current and alternating-current circuits and equipment. Emphasis is placed on the theory, operating characteristics and control of AC and DC machinery. (5 hrs. lect. per week)

EIMT 46 ELECTRICAL **M**AINTENANCE AND **R**EPAIR **(6)**
Prerequisite: "C" in EIMT 30 and in EIMT 32
Co-requisite: EIMT 44
EIMT majors only.
This course consists of supervised lab activities combining trade practices and related technical instruction to provide the most effective means of developing the students' mechanical, manipulative, and troubleshooting skills. Emphasis is placed on methods of installation, maintenance, trouble-shooting and repair of electrical machinery and related control equipment. (18 hrs. lab. per week)

EIMT 50 SOLID **S**TATE **C**ONTROL **(4)**
Prerequisite: "C" in EIMT 44 and in EIMT 46
Co-requisites: EIMT 52
EIMT majors only.
This is a course designed to introduce students to the principles and application of solid state control. The topics to be covered include the fundamentals of solid state devices; digital logic; solid state fire alarm and security systems; solid state motor control; programmable controllers. (5 hrs. lect. per week)

EIMT 52 SOLID STATE CONTROL LAB (6)
Prerequisite: "C" in EIMT 44 and in EIMT 46
Co-requisite: EIMT 50
EIMT majors only.
This is a lab course designed to give students a working knowledge and hands on experience with solid state control devices and systems. Students will learn how to install, maintain, troubleshoot, and repair a variety of solid state components and systems. (18 hrs. lab. per week)

EIMT 93V COOPERATIVE EDUCATION (1–4)
Prerequisite: MATH 50 or Placement in MATH 150 or higher
Instructor approval required.
EIMT majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in electricity. Students may enroll 4 times for a maximum of 12 credits.
(5 hrs. work experience per week per credit)

ENGLISH (ENG)

ENG 100 COMPOSITION I (3)
Prerequisite: Placement in ENG 100 OR "C" or higher in ESL 23
Introduction to the rhetorical, conceptual, and stylistic demands of writing at the college level. Instruction in the composing process, search strategies, and writing from sources. (3 hrs. lect. per week)

ENG 100S COMPOSITION SUPPLEMENT I (1)
Prerequisite: Placement in ENG 100 with ENG 100S co-requisite
Co-requisite: ENG 100
ENG 100S is taken in conjunction with ENG 100. Together these courses combine support designed to allow students to complete college English in a single semester. Graded on a CR/N basis.
(3-6 hrs. lect. per week)

ENG 100T COMPOSITION SUPPLEMENT II (2)
Prerequisite: Placement in ENG 100 with ENG 100T co-requisite
Co-requisite ENG 100
ENG 100T is taken in conjunction with ENG 100. Together these courses combine instruction support designed to allow students to complete college English in a single semester. This co-requisite also requires mandatory writing center tutoring.
Graded on a CR/N basis. (3-6 hrs. lect. per week)

ENG 201 INTRODUCTION TO CREATIVE WRITING (3)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
Introduction to three genres of creative writing and practice in writing poems and short stories which includes creative writing assignments, discussion of professional works, and discussion of each student's writing. (3 hrs. lect. per week)

ENG 202 Advanced Creative Writing
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
Focus on one or more genre(s) of creative writing and extended practice in writing original works, which includes creative writing assignments, discussion of professional works, and discussion of each student's writing. (3 hrs. lect. per week)

ENG 209 BUSINESS AND MANAGERIAL WRITING (3)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
A study of business and managerial writing. Practice in writing letters, memos, procedures and reports, including a recommendation report requiring research, problem definition and solution proposals. (3 hrs. lect. per week)

ENG 210 WRITING TERM PAPERS (3)
Prerequisite: "C'' or higher in ENG 100 OR, Placement in ENG 201-296
Practice in the skills needed in writing research papers and "term'' papers: methods of gathering and evaluating primary and secondary evidence and of presenting arguments in convincing and logical expository prose. (3 hrs. lect. per week)

ENG 250 AMERICAN LITERATURE (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
A study and analysis of major works of American literature with equal emphasis placed upon works created before and after 1900. Novels, short stories, poems, and modern drama are studied.
(3 hrs. lect. per week)

ENG 251 BRITISH LITERATURE TO 1800 (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
Study of major British works from the Middle Ages to 1800. (3 hrs. lect. per week)

ENG 252 BRITISH LITERATURE AFTER 1800 (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
Study of major British works from 1800 to the present. (3 hrs. lect. per week)

ENG 253 WORLD LITERATURE TO 1600 (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
Study of representative works of Classical, Oriental, and European literature from ancient times to the 17th century. (3 hrs. lect. per week)

ENG 254 WORLD LITERATURE AFTER 1600 (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
Study of representative works of Oriental, European, and American literature from 1600 to present.
(3 hrs. lect. per week)

ENG

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - ENG

ENG 255 Short Story and Novel (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
Study and criticism of short stories and novels and how they are created. (3 hrs. lect. per week)

ENG 256 Poetry and Drama (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
Study and criticism of drama, biography, and poetry, their evolution and form. (3 hrs. lect. per week)

ENG 257A Literary Perspectives in Japanese Anime (3)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
This course examines Japanese Anime as a commentary on society and culture. With a primary focus on anime as an expression of these themes the topics will include community, identity, history, and gender identity. (3 hrs. lect. per week)

ENG 257B Baseball in Literature (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
Although sports are often overlooked in discussions of literature, this course examines the many rich writings on baseball and its impact on society. The course analyzes the different themes, including humor, drama, and love of the game. Feel what it is like to sit in an outfield bleacher, watching the last inning with the score tied 1-1. (3 hrs. lect. per week)

ENG 257C Comedy and Satire in Literature (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
A study of comedy and satire in literature, examining how humor works in writing, looking at the differences of satire, parody, dark humor and light humor. The course analyzes famous and not-so-famous examples of literary humor and explores the social issue behind the surface meaning. (3 hrs. lect. per week)

ENG 257E Wild Writing: Environmental and Ecological Non-Fiction (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
An examination of ecology and environmental studies, thought, and policy through reading and writing about works of ecological and environmental non-fiction prose concerning people and the planet. The course will focus on basic terminology and concepts of ecological and environmental issues in texts that explore human attitudes toward the wild, the world, and their shifting borders. The focus includes multiple and multi-faceted views of how human beings live, might live, and should live in the world we inhabit today. (3 hrs. lect. per week)

ENG 257F Women in Literature (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
A thematic study of women in literature. Readings from various types of literature: novels, plays, short stories, and poetry. Focus includes women in various cultures, traditional myths and roles of women, contemporary alternatives, and famous women writers. (3 hrs. lect. per week)

ENG 257G Manga as Literature (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
Course explores the history of manga and its relationships to culture, history, identity, politics, gender, and sexuality in Japan and in other countries. Course will analyze the aesthetics, themes, and structure of manga and the development of audiences and sub-genres as well as its popularization across the world and connections to anime. (3 hrs. lect. per week)

ENG 257H Hip-Hop Literature and Urban Culture (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
An examination of hip-hop and urban culture as a movement of artistic, social, and political resistance to racial, economic, and gender oppression. With a primary focus on literature, criticism, spoken word poetry, and rap, topics will include language, community, identity, justice, history, and politics. (3 hrs. lect. per week)

ENG 257K Literature on Hawaii-Local and Non-Local Perspectives (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
In an exploration of writings on Hawai`i, the class will compare local and non-local authors through readings, discussions, essays, and journals to discover and critique the perspectives of the authors. The class will analyze the writings on social issues, cultural awareness, exploitation, political implications, religious influence, and other impressions of Hawaii. (3 hrs. lect. per week)

ENG 257M Cross-Cultural Perspectives in Asian/Pacific Literature (3) (DL)
Prerequisite: "C" of higher in ENG 100, OR Placement in ENG 201-296
Although stereotypes of both Asian and Pacific Islanders have existed through history, writers in English, in both groups, have emerged to tell their stories, battling misconceptions. The course studies and analyzes Asian and Pacific writers who deal with issues like colonialism, immigration, and marginalism. The works will be read as pieces of literatures while carefully considering their poetic and narrative forms. (3 hrs. lect. per week)

ENG 257N Books at the Movies (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
This course examines the adaptation of classic and contemporary works from literature to film and the varied techniques for translating a literary work into a cinematic work. The course analyzes the themes, topics, story-telling structure, strategies,

ENG

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

College Level English Sequence Chart

HONOLULU CC PLACEMENT POLICY: All students place in ENG 100. Based on Smarter Balanced, high school grade point average, HiSet, GED, CLEP or other measures, students may be required to take ENG 100 with supplementary courses ENG 100S or ENG 100T. Writing samples may also be used to determine whether supplementary instruction is required.

ENG 100 [1] (Composition I)	ENG 100 + ENG 100 S [1] (Composition I)	ENG 100 + ENG 100 T [1] (Composition I)

Any Writing Intensive (WI) Course [2]
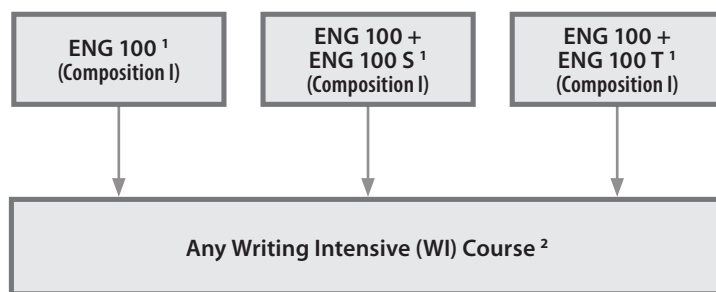
Revised 2/28/19

Notes:

[1]   ENG 100 with ENG 100S or ENG 100T allow students to complete ENG 100 in one semester.

[2]   A grade of "C" or higher is required in ENG 100 to enroll in Writing Intensive (WI) courses.

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - ESL

English For Non-Native Speakers Sequence Chart

This chart illustrates the sequence of ESL and HELLO courses offered at Honolulu CC for non-native students. Levels are determined by placement tests or other evaluations.

NON-CREDIT COURSES

Honolulu CC English Language Learner Options (HELLO)

ELL 3 → ELL 4 → ELL 5 → ELL 6

CREDIT COURSES

English as a Second Language (ESL)

LEVEL 1

ESL 3 (9)
ESL 4 (3)

LEVEL 2

ESL 13 (9)
ESL 14 (3)

ESL 23 (3)   ESL 24 (3)

ENG 100 (3)
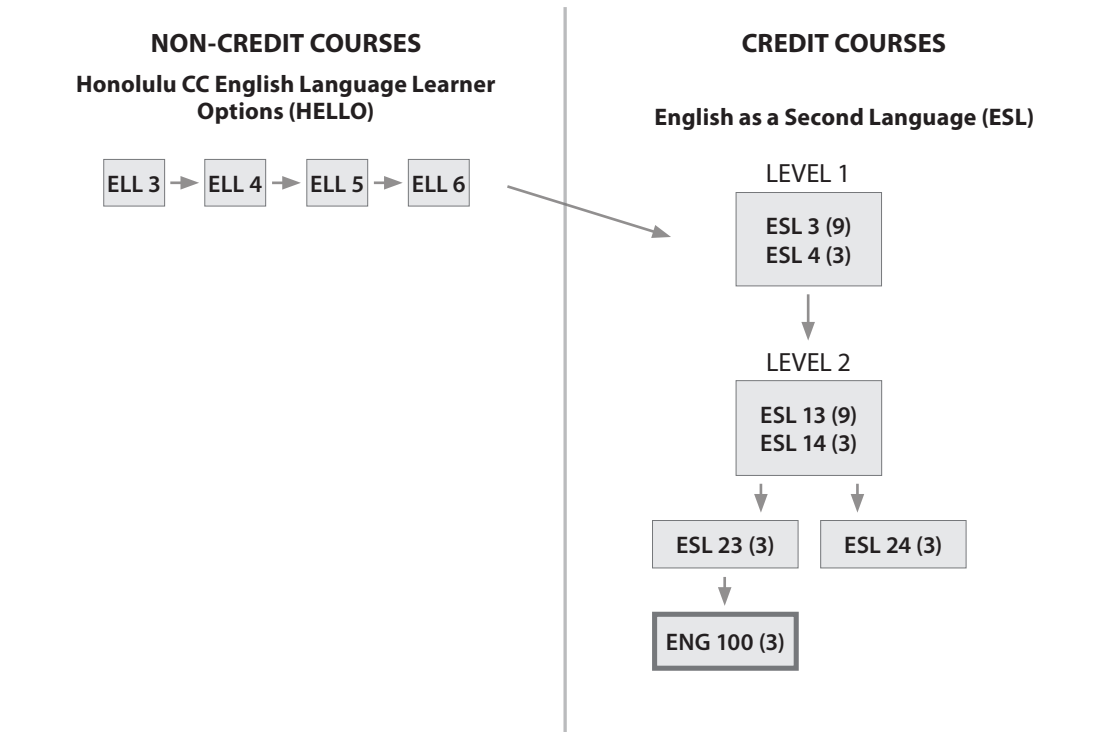
Revised 2/28/19

and devices employed in both literature and film. The primary focus is on literature, emphasizing how a work of words is adapted to film and how comparisons between works in the two arts informs our understanding and increases our appreciation. The course also addresses the ongoing history of the adaptation of literature to film and the many ways each art encourages and influences the other. (3 hrs. lect. per week)

ENG 257O Okinawan Literature (3) (DL)
Prerequisite: "C" or higher in ENG 100 OR Placement in ENG 201-296
Course explores the world of Okinawan literature from translations of early poems to contemporary works by Okinawan writers in Okinawa and around the world. Students will learn how literature expresses the culture, history, values, and conflicts of the Okinawan people. The course also discusses how literature expresses, contests, and develops Okinawan identity. May be taken on a CR/N basis. (3 hrs. lect. per week)

ENG 257P Literature and the Sea (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
This course examines how the sea functions as a physical, philosophical, and psychological setting. Through close textual analysis, the course explores the symbolic power of the ocean: what does our tropological understanding of the sea reveal about humanity? Is the sea a metaphor for predominantly feminine or masculine imagery? How do descriptions of the sea change according to culture and economic system? (3 hrs. lect. per week)

ENG 257S Comics, Superheroes, and Society (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
While comic books are often derided for being immature examples of escapist entertainment or, as in the 1950s, for encouraging perverse behavior, comic books and superheroes have always provided an excellent barometer for measuring American society in general–Superman, Captain America, and others as instruments for propaganda; the Fantastic Four, Iron Man and Hulk as expressions of American Cold War power yet also reflecting social anxieties about nuclear war; Spider-Man, Dr. Strange and others embracing the values of the counter-culture and the Punisher and Frank Miller's The Dark Knight Returns embodying the Reagan-era backlash against the counter-culture; The X-Men and multiculturalism and gay rights. (3 hrs. lect. per week)

ENG 257X Science Fiction (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
This course explores the interplay of science, technology, and literature and examines the authors' world views, philosophical and religious thought and the impact of science and technology on life, art, and the imagination. How these works resist potential dehumanizing aspects of technology and

how technological development can encroach upon identity will be discussed. (3 hrs. lect. per week)

ENG 257Y Young Adult Novel (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
This course examines the young adult novel, both contemporary and classic, and analyzes and evaluates the themes, topics, structure, storytelling techniques, and literary devices appearing in young adult literature. The primary focus will be on literature, particularly the novel, and the rise of writing about and for young adults in the twentieth century and beyond. Among others, areas of focus include issues of identity, family, community, and tensions social, economic, and political as encountered by teens becoming adults. The course also examines the genre of young adult literature as a twentieth-century phenomenon for teen readers and the publishing world as well as the growing tradition of translating young adult novels into films. (3 hrs. lect. per week)

ENG 257Z Literature and Globalization (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
A study of literary representations of globalization. Through readings of various genres, the course examines how literary works thematize the social and cultural effects of the global flows of capital, technology, information, commodities, and people. (3 hrs. lect. per week)

ENG 268 Literary Nonfiction (3)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
This course is an introduction to the genre of literary nonfiction. The course provides an opportunity to study and practice the techniques of what is sometimes known as New Journalism or even New New Journalism. Cross listed as JOUR 268. (3 hrs. lect. per week)

ENG 271 Japanese Literature in Translation (Traditional) (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
Survey of traditional Japanese literature from ancient times to the mid-nineteenth century. Cross-listed as EALL 271. (3 hrs. lect. per week)

ENG 272 Japanese Literature in Translation (Modern) (3) (DL)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
Survey from mid-nineteenth century to the present. Major emphasis on fiction. Cross-listed as EALL 272. (3 hrs. lect. per week)

ENGLISH AS A SECOND LANGUAGE (ESL)

Note: *Non-credit introduction to College English (ICE) courses are also available.*

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - FT

ESL 3 College Reading/Writing Skills (9)
Prerequisite: ICE 6 OR Placement in ESL 3
Co-requisite: ESL 4
This course will provide students with a foundation in reading and writing skills necessary to succeed in subsequent English, Liberal Arts, and Technical/Occupational courses. There are two components to this class: students will read authentic pieces of writing, written for native speakers of English, and will focus on vocabulary development and comprehension. Writing assignments based on the readings will also be done.
(9 hrs. lect. per week)

ESL 4 Grammar I (3)
Prerequisite: Placement in ESL 4 or Instructor Approval
Co-requisite: ESL 3
This course is a study and practice of high-beginning to intermediate grammar. It will provide students with a solid foundation in grammar to succeed in subsequent English and Liberal Arts courses.
(3 hrs. lect. per week)

ESL 13 College Reading/Writing Skills II (9)
Prerequisite: "C" or higher in ESL 3 OR Placement in ESL 13
Co-requisite: ESL 14
This course will provide the student with advanced reading and writing skills necessary to succeed in subsequent English, Liberal Arts, and Technical/Occupational courses. There are two components to this class: students will read authentic pieces of writing, written for native speakers of English, and will focus on vocabulary development and comprehension. Writing assignments based on the readings will also be done. (9 hrs. lect. per week)

ESL 14 Grammar II (3)
Prerequisite: ESL 4
Co-requisite: ESL 13
This course is a study and practice of intermediate to advanced grammar. Common grammar problem areas will be focused on with required written compositions based on those specific grammar points. It will provide students with a solid foundation in grammar to succeed in subsequent English, liberal arts, and technical/occupational courses. (3 hrs. lect. per week)

ESL 23 Introduction to Expository Writing for NNS (3)
Prerequisite: ESL 13
Co-requisite: ESL 24
This course provides intensive study of structure, usage, and vocabulary of English as a necessary prelude to effective writing. Emphasis is placed on the development of paragraphs to communicate ideas in short papers. Students are encouraged to exercise critical thinking and clear, correct language in their writing. (3 hrs. lect. per week)

ESL 24 Grammar III (3)
Prerequisite: ESL 14
Co-requisite: ESL 23
This course is a study and practice of advanced grammar, covering such topics as verb tense, passive voice, gerunds, infinitives, adjective clauses, indirect speech, and embedded questions. Problematic grammar areas for non-native speakers of English (NNS) at the high intermediate/advanced level will be focused on with subsequent written compositions based on those specific grammar points.
(3 hrs. lect. per week)

ESL 124 Topics in English for Professions (1)
This course teaches non-native English speakers vocabulary and expressions used by specific professions. Classes provide hands-on, content-rich educational experiences that encourage active engagement with advanced English terminology used in such fields as health care, travel, real estate, among others. (3 hrs. lect. per week for 5 weeks)

FASHION TECHNOLOGY (FT)

FT 28 Introduction to Industrial Sewing (3)
Prerequisite: FT 205 and FT 215
An introduction to apparel manufacturing with emphasis on various stitch and seam types utilizing industrial machines and attachments. Career opportunities and industry terminology will also be covered in this course. (3 hrs. lect. per week)

FT 29 Textile Art (3)
FT majors only.
Commercial and individual approaches to design, color and printing techniques used in textiles. (2 hrs. lect.; 3 hrs. lab. per week)

FT 30 Basic Creative Designing (3)
Prerequisite: FT 36, 205, 215, and 217
The creative process of apparel design is emphasized by developing and producing a collection of garments for industry or entrepreneurship.
(2 hrs. lect.; 3 hrs. lab. per week)

FT 32 Advanced Apparel Design (3)
Prerequisite: FT 205 & 215 & 217
Design and creation of garments for customers. Integration of all phases of apparel production. Includes individual design, pattern drafting, cutting, fabrication, fitting, and finishing.
(2 hrs. lect.; 3 hrs. lab. per week)

FT 36 Draping (3)
Prerequisite: FT 205 & 215 & 217
Basic fundamentals of draping with standard and individual forms. (2 hrs. lect.; 3 hrs. lab. per week)

FT 38 Draping and Design (3)
Prerequisite: FT 36
Integration of draping and flat pattern designing for actual customers with the use of individual forms or standard forms. (2 hrs. lect.; 3 hrs. lab. per week)

FT 40 Fabric Analysis (3)
A study of the fibers and fabrics used in apparel and related products. Practical applications of yarns, construction, finishes on fabrics. Simple physical and chemical tests will be demonstrated.
(3 hrs. lect. per week)

FT 41 Apparel Design (3)
Prerequisite: FT 205 & 215 & 217
Translating design sketches into flat patterns and constructing the finished garments.
(2 hr. lect.; 3 hrs. lab. per week)

FT 43 Cutting Room Functions (3)
Prerequisite: FT 205
Develops an understanding of industry methods and techniques of marking, laying up, and cutting garments in quantity with emphasis on fabric yield. Includes use of the Gerber Accumark Computer System. (3 hrs. lect. per week)

FT 90 FT Special Topics (3)
Instructor approval required.
Special topics in fashion technology. Students may enroll 3 times in different topic areas for a maximum of 9 credits. May be taken on a CR/N basis.
(2 hrs. lect.; 3 hrs. lab. per week)

FT 93V Cooperative Education (1–4)
Instructor approval required.
FT majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Fashion Technology. Students may enroll 4 times for a maximum of 4 credits. (5 hrs. work experience per week per credit)

FT 100 Fashion Modeling (1)
FT majors or FT instructor approval required.
Students will acquire the skills and knowledge necessary to model fashion on the fashion runway. The course includes informal modeling and the presentation of the total fashion look.
(1 hr. lect. per week)

FT 111 Art and Design in Fashion (3)
A survey of fashion as it relates to art and design. Line, color, balance, proportion are studied providing guidelines to understanding fashion and how it communicates personal image to society.
(3 hrs. lect. per week)

FT 125 Fashion Show Production (3)
Comprehensive practical experience including all factors required for the preparation and production of fashion shows, clinics, and other fashion promotions.
(3 hrs. lect. per week)

FT 140 Fabric Technology (3)
Prerequisite: Placement in ENG 100 + ENG 100S
Fabrics commonly used in fashion merchandise are studied discussing how their fiber content, construction, and finish affect their end use. Methods of fiber and yarn identification and their construction are examined for their practical application.
(3 hrs. lect. per week)

FT 160 Computerized Pattern Grading and Marking (3)
Prerequisite: FT 43 & 215 & 237 or Instructor Approval; Placement in ENG 100

FT majors only.
Course covers the knowledge and skills required to use the Gerber Garment Technology (GGT) System to grade and digitize patterns and to prepare production markers. It also covers the GGT system hardware capabilities as well as software programming. (2 hrs. lect.; 3 hrs. lab. per week)

FT 170 Computerized Pattern Making (3)
Prerequisite: "C" or higher in FT 160; Placement in ENG 100
Instructor approval required.
FT majors only.
Comment: This is a computerized pattern making course as applied in the garment industry.
This course covers the capabilities of the Gerber Technology (GT) Pattern Design System-PDS and Silhouette. This system is designed to use CAD for specific industry application in pattern making and design. (2 hrs. lect.; 3 hrs. lab. per week)

FT 193V Cooperative Education (1–4)
Instructor approval required.
FT majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to fashion merchandising emphasizing technical and interpersonal aspects. Students may enroll 4 times for a maximum of 4 credits.
(5 hours work experience per week per credit)

FT 200 Culture, Gender and Appearance (3)
Prerequisite: Placement in ENG 100
Social construction of gender within culture and its visual expression through appearance. Analysis of role, identity, conformity, and deviance in human appearance. (3 hrs. lect. per week)

FT 205 Materials and Methods of Clothing Construction (4)
Principles, concepts and procedures for quality construction and custom fitting of clothing.
(3 hrs. lect.; 3 hrs. lab. per week)

FT 215 Flat Patternmaking I (3)
Prerequisite or Co-requisite: FT 205
Principles of pattern making for women's apparel through manipulation of quarter size pattern blocks.
(2 hrs. lect.; 3 hrs. lab. per week)

FT 216 Fashion Design and Sketching (3)
Development of apparel design through sketching the fashion figure. (3 hrs. lect. per week)

FT 217 Flat Patternmaking II (3)
Prerequisite: FT 205 and FT 215; MATH 50 or Placement in MATH 150 or higher AND Placement in ENG 100
Expanding and refining the technical and production methods of flat patternmaking. Applying construction and alteration techniques to samples and final garments. (2 hrs. lect.; 3 hrs. lab. per week)

FT 237 Pattern Grading (3)
Prerequisite: FT 215; MATH 50 or Placement in MATH 150 or higher AND Placement in ENG 100

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - FIRE

Principles of proportionally increasing or decreasing a master pattern according to a prescribed set of body measurements. Applications include basic, intermediate and advance designs. Includes use of the grading machine. (2 hrs. lect.; 3 hrs. lab. per week)

NOTE: *The following courses have been accepted at the University of Hawai'i at Mānoa in the Human Resources Department. These are subject to change without prior notice.*

Honolulu CC:	APDM:
FT 111	APDM 111
FT 200	APDM 200
FT 205	APDM 205
FT 215	APDM 215
FT 216	APDM 216
FT 237	APDM 237
FT 160	APDM elective

FIRE AND ENVIRONMENTAL EMERGENCY RESPONSE (FIRE)

FIRE 100 INTRODUCTION TO FIRE PROTECTION (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
FIRE majors only.
History and philosophy of fire protection. Introduction to fire agencies; current fire legislation, career orientation, recruitment and training programs, classification and pay systems, employee organization. This course is designed as a general background for vocational students. May be taken on a CR/N basis. (3 hrs. lect. per week)

FIRE 102 FUNDAMENTALS OF FIRE PREVENTION (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
FIRE majors only.
Introduction to modern fire prevention, public relations involved, introduction to national and local codes used in prevention. An overview of public prevention programs, new technologies used in prevention, inspection procedures and guidelines, current problems, legislation, and enforcement of fire prevention. May be taken on a CR/N basis. (3 hrs. lect. per week)

FIRE 104 FIRE INSPECTOR I (3)
Prerequisite: FIRE 100, 102, and 107
FIRE majors only.
This course is designed for the fire inspector ready to advance his/her educational training to the next level. This course delves deeper into the interpretation of applicable codes and standards, covers the procedure for various types of inspections and prepares the inspector for the plans review process. Certification is optional at the end of the course. Students may still pass the course by completing all work and yet may still not pass the Pro Board Examination. This does not mean the student has failed the course. However, the Pro Board Examination will be the Final Examination Test instrument in this course. (3 hrs. lect. per week)

FIRE 107 FIRE FIGHTING TACTICS AND STRATEGIES (3)
Prerequisite: CHEM 105 and FIRE 102
FIRE majors only.
Introduction to Fireground planning and coordination, extinguishment tactics and strategies, functions of different fire companies, various tactical operations, types of extinguishment agents and uses. Pre-planning and command systems, size and types of incidents. Discussion of modern fire problems and suppression tactics and strategies involved. May be taken on a CR/N basis. (3 hrs. lect. per week)

FIRE 108 WELLNESS/FITNESS FOR EMERGENCY RESPONSE PROFESSIONALS (3)
Recommended Prep: Medical clearance required
FIRE, OESM and AJ majors only.
Comment: This is a lecture/lab course requiring physical activity. Students must obtain medical clearance from their physician in order to participate.
This course explores the concept of wellness, lifestyle management and fitness and is designed to provide students with the knowledge and skills to improve their own quality of life. This course is designed for individuals who are pursuing a career in Fire and Emergency Response, and it provides clear and objective research-based information pertinent to behavior change, exercise, nutrition, weight management, disease prevention, stress management, and risk reduction. Students will develop personal wellness and fitness including physical, mental, emotional and spiritual domains. Successful completion of this course will help students prepare for the Fire Department Fitness Examinations, and Wellness Fitness Certification Programs. (2 hrs. lect.; 3 hrs. lab. per week)

FIRE 111 MANAGEMENT IN THE FIRE SERVICE (3)
Prerequisite: FIRE 207
FIRE majors only.
An overview of fire service management theories and application principles in the fire service. Management by objective. Current fire safety education, problem identification and program development strategies are introduced. Fireground management functions; management of financial resources, physical resources, and facilities. May be taken on a CR/N basis. (3 hrs. lect. per week)

FIRE 115 FIRE APPARATUS AND EQUIPMENT (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 100
FIRE majors only.
Comprehensive overview of fundamental principles, test, inspection and servicing of equipment, maintenance, description of operation of various pump types, pump driving test, water supply (types of hydrants and values). The course will enhance student knowledge and skills required by National Fire Code 1002 Driver/Operator. (3 hrs. lect. per week)

FIRE

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

FIRE 117 Basic Rescue in the Fire Service (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 100 and FIRE 102
FIRE majors only.
To introduce definitions, terminology, and provide students with a basic knowledge of rescue. To understand the four phases of rescue: locate and access victims, stabilize the situation, and transport the victims to safety while managing injuries and avoiding risk or injury to the victims or rescuers. May be taken on a CR/N basis. (3 hrs. lect. per week)

FIRE 119B Emergency Medical Technician (3.5)
Prerequisite: Minimum of 12 FIRE credits
Co-requisite: FIRE 119C
FIRE majors only.
This course is the first in a series of two EMT Basic courses. This course is designed to develop specific medical skills used in emergency response. Students should be prepared to do practical labs both in class and in a hospital setting. Students are required to pay a lab fee and purchase a limited liability coverage policy while participating in this course. Course will include ambulance ride-along activity.
(3 hrs. lect.; 1.5 hrs. lab. per week)

FIRE 119C Emergency Medical Technician-Basic (3.5)
Prerequisite: Minimum of 12 FIRE credits
Co-rerequisite: FIRE 119B
FIRE majors only.
This course is the second in series of the EMT Basic curriculum. This course is designed to develop specific medical skills in responding to medical emergencies. Students are required to continue practical lab experiences that were started in FIRE 119B.
(3 hrs. lect.; 1.5 hrs. lab. per week)

FIRE 123 Fire Investigation (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 100 and FIRE 102
FIRE majors only.
Introduction to an analytical approach to fire investigation that recognizes the numerous facets of fires, fuels, people and investigative procedures. The scientific principles of combustion and fire behavior will be stressed as well as the important principles of scientific investigation. (3 hrs. lect. per week)

FIRE 126 Legal Aspects of Emergency Services (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 100 and FIRE 102
FIRE majors only.
This course will address the Federal, State, and local laws that regulate emergency services and include a review of national standards, regulations, and consensus standards. (3 hrs. lect. per week)

FIRE 150 Industrial Fire Protection (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher

Recommended Prep: FIRE 100 and FIRE 102
Basic fire protection-prevention course for industry. Includes planning, managing and training for fire emergencies. Cross-listed as OESM 150. May be taken on a CR/N basis. (3 hrs. lect. per week)

FIRE 151 Introduction to Wildland Fire Control (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
FIRE majors only.
Introduction to basic wildland fire organization, ICS, fire behavior, air operations, suppression methods, tools and equipment. Emphasis on fire safety and basic introduction to portable pumps, water use, and chain saws. May be taken on a CR/N basis.
(3 hrs. lect. per week)

FIRE 152 Wildland Fire Control Field Methods (3)
Prerequisite or Co-requisite: FIRE 151
Introduction to wildland fire suppression field strategies, tactics and techniques. The course is structured around hands-on training in an outdoor environment. Students are familiarized with tools, techniques and how to best apply them in the wildland fire context. (6 hrs. lect. per week)

FIRE 154 Wildland Urban Interface Operations (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
This course is an introduction to the strategies, tactics, techniques, tools and safety consideration related to fire operations in the wildland/urban interface. The course involves aspects of suppression and prevention.
(3 hrs. lect. per week)

FIRE 156 Wildland Incident Command (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 151 and FIRE 152
This course defines terms and examines concepts, theories, and principles of the Incident Command System and wildland fire in the fire service. Major topics include the Incident Command System function, staff functions in single command structures, management of various disasters, and initial and escape fire attack situations for wildland fire.
(3 hrs. lect. per week)

FIRE 157 Intermediate Wildland Fire Behavior (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 151
This course is designed to instruct prospective fireline personnel in wildland fire behavior for effective and safe management operations. Fire behavior is not an independent phenomenon - it is the product of the environment in which the fire is burning. In applying this definition to fire, we can then regard fire environment as the conditions, influences, and modifying forces that control the fire behavior. Fire behavior must obey physical laws. We consider certain types of fire behavior unusual or unexpected only because we have failed to evaluate properly the

FIRE

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - FIRE

conditions, influences, and forces that are in control. To predict fire behavior, and to control and use fire effectively and safely, we must understand and use the interactions of fire with its environment. This course will examine the fire environment - what it is, how it varies and why, and how fire itself alters the total picture. (3 hrs. lect. per week)

FIRE 193V Cooperative Education (1–6)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Instructor approval required.
FIRE majors only.
This course provides students with the opportunity to acquire on-the-job experience related to classroom instruction in Fire and Environmental Emergency Response emphasizing technical and interpersonal aspects. Students may enroll 4 times for a maximum of 12 credits. 6 credits can be applied to FIRE elective requirements.
(5 hrs. work experience per week per credit)

FIRE 202 Fire Protection Hydraulics and Water Supply (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 100, 102
FIRE majors only.
This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems. May be taken on a CR/N basis.
(3 hrs. lect. per week)

FIRE 206 Building Construction for Fire Protection (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 100 and FIRE 102
FIRE majors only.
This course provides the components of building construction that relate to fire and life safety. The focus of the course is on firefighter safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, pre-planning fire operations, and operating at emergencies.
(3 hrs. lect. per week)

FIRE 207 Hazardous Materials Awareness and Operations (3)
Prerequisite: CHEM 105 and FIRE 100
FIRE majors only.
Students are introduced to initial response for Hazardous Material Incidents. Topics include: personal safety, NFPA standards, OSHA and EPA regulations, toxicology, Incident Command System, decontamination, chemical resources, initial response, assessment, goal systems, and tactical options for HAZ MAT incidents. Meets Basic Concepts and Awareness levels as provided by NFPA. The curriculum that will now be used is designed to Nationally certify individuals in Hazardous Materials Operations and Hazardous Materials Awareness. The students will complete a National examination issued by National Fire Protection Professional Qualifications Board (Pro Board) upon completion of this course. Students will need a grade of 70% in order to pass the Pro Board examination. Students who do not pass the exam may receive a passing grade in the course, but will need the Pro Board certification in order to enter the final semester of Pro Board certification courses FIRE 280A (12 credits) and 280B (4 credits) for Firefighter I.
(3 hrs. lect. per week)

FIRE 208 Aircraft Rescue Fire Fighting (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 100 and FIRE 102
Introduction to definitions, concepts, methods, and requirements of an airport firefighter's duties and responsibilities. The course has two major areas of concentration: the Federal Aviation Regulation (FAR 139) and the National Fire Code (NFC 1003).
(3 hrs. lect. per week)

FIRE 209 Hazardous Materials Technician (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 203,207, and CHEM 105
This course is one of the final courses in a series of courses that were developed to increase responders awareness and capabilities to respond to hazardous materials incidents. May be taken on a CR/N basis.
(3 hrs. lect. per week)

FIRE 211 Hazardous Materials Incident Management (3)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 209
This course is designed to provide students with the information needed to identify hazardous materials products, containers, and emergencies. The information provided will allow students to understand important safety issues dealing with hazardous materials incident management, personal protective equipment selection, Incident Command System functions, site management, and hazard assessment/risk evaluation techniques. May be taken on a CR/N basis. (3 hrs. lect. per week)

FIRE 218 Emergency Response for Hazardous Materials (4)
Prerequisite: Placement in ENG 100; MATH 50 or Placement in MATH 150 or higher
Recommended Prep: FIRE 203
FIRE majors only.
This course provides students with hands-on instruction in safety and emergency response to chemical and physical exposures in industrial and field settings. Topics discussed include: hazard analysis, contingency planning, proper use and selection of PPE, site control and evaluation, field sampling and monitoring, and proper use of instruments. This course satisfies the requirement for generalized employee training under OSHA (1910.120). Cross-listed as OESM 218. (3 hrs. lect.; 3 hrs. lab. per week)

FIRE 280A Firefighter I and II (12)
Prerequisite: FIRE 100, 102, 107, 111, 119B, 119C, and 207
Co-requisite: FIRE 280B

FIRE

Instructor approval required.
FIRE majors only.
This course will provide students with the knowledge and skills to function as an integral member of a firefighting team under direct supervision in hazardous conditions. The course is completed online in a virtual classroom. The co-requisite course, FIRE 280B, involves practical skill training. Completion of both courses will result in Fire Fighter I and 2 certification. (12 hrs. lect. per week)

FIRE 280B Firefighter I and II Lab (8)
Prerequisite: FIRE 100, 102, 107, 111 119B, 119C, and 207
Co-requisite: FIRE 280A
Instructor approval required.
FIRE majors only.
This course will provide students with the knowledge and skills to function as an integral member of a firefighting team under direct supervision in hazardous conditions. The program consists of two courses. The course involves practical skill training. The co-requisite course, FIRE 280A, is completed in an online virtual classroom. Completion of both courses will result in Fire Fighter 1 and 2 certification. (16 hrs. lect./lab. per week)

FOOD SCIENCE AND HUMAN NUTRITION (FSHN)

FSHN 185 The Science of Human Nutrition (3) (DB)
Integration of natural science concepts basic to study of human nutrition. Emphasis on nutrient requirements of healthy individuals throughout life cycle, food sources, functions and interrelationships of nutrients. Lectures supplemented with individualized instructional activities. (3 hrs. lect. per week)

Note: *FSHN 185 is accepted as a natural science requirement at the University of Hawaiʻi at Mānoa, UH West Oʻahu, and at other community colleges.*

GEOGRAPHY AND ENVIRONMENT (GEO)

GEO 101 The Natural Environment (3) (DP)
Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: Placement in MATH 24
Geography and Environment 101 is a survey of the global physical environment using an Earth systems science approach. In this course, you will be introduced to techniques and concepts used to investigate the geographic distribution of physical phenomena on Earth. Patterns and processes of climatic, geomorphic, and biological systems are examined. Global environmental issues are explored in light of the concepts covered. The lectures will include a number of examples from Hawaiʻi, where unique combinations of global tectonic and atmospheric processes, and geographic isolation have resulted in an extraordinary array of environmental and biotic

diversity. Geography and Environment 101 fulfills the Physical Sciences diversification (DP) general education requirement for an associate degree at Honolulu Community College and a baccalaureate degree at the University of Hawaiʻi at Manoa, and the sustainabiltiy-related designation, an option for students who are interested in sustainability issues. (3 hrs. lect. per week)

GEO 101L The Natural Environment Laboratory (1) (DY)
Prerequisite or Co-requisite: GEO 101
Recommended Prep: Placement in MATH 24
Comment: GEO 101 as a co-requisite is preferred.
This course is an introduction to techniques used to investigate the geographic distribution of physical phenomena on Earth. The laboratory exercises will include a number of examples from Hawaiʻi, where unique combinations of global tectonic and atmospheric processes, and geographic isolation have resulted in an extraordinary array of environmental and biotic diversity. May be taken on a CR/N basis. (3 hrs. lab. per week)

GEO 102 World Regional Geography (3) (FGB)
Prerequisite: Placement in ENG 100 + ENG 100S
Survey of the world's major geographic regions with focus on the interrelationships between the physical and human elements of these regions. Geographic aspects of contemporary economic, social, and political conditions will be studied. (3 hrs. lect. per week)

GEO 122 Geography of Hawaiʻi (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Examines Hawaiʻi as a unique, special place. Physical geography (volcanoes, erosion, climate, water resources, natural hazards), cultural geography (pre-contact society, the monarchy, economic change, agriculture, tourism, energy, population, land use, transportation, and urbanization), and regional geography of each island will be presented. (3 hrs. lect. per week)

GEOLOGY AND GEOPHYSICS (GG)

GG 101 Introduction to Geology (3) (DP)
The study of Earth, the natural physical environment, landscape, rocks and minerals, rivers and oceans, volcanos, earthquakes, plate tectonics and other internal processes; the effects of human actions on Planet Earth. (3 hrs. lect. per week)

GG 101L Introductory Geology Laboratory (1) (DY)
Prerequisite or Co-requisite: GG 101 or GG 103
The study of rocks and minerals, topographic and geologic maps and cross sections. (3 hrs. lab. per week)

GG 103 Geology of the Hawaiian Islands (3) (DP)
Recommended Prep: Placement in ENG 100 + ENG 100S
Survey of Hawaiian rocks, minerals, volcanism, erosion, sedimentation, landscape evolution, geologic history, and regional geology. (3 hrs. lect. per week)

FSHN

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - HAW

HAWAIIAN (HAW) *

HAW 100 Language in Hawai'i: A Microcosm of Global Language Issues (3)
Survival kit for life in Hawai'i: Introduction to Hawaiian and language related issues enhancing communicative experience in Hawai'i. Examination of social, cultural, political, and linguistic cross-cultural interaction locally and globally. Taught in English/ Hawai'i Creole English. (3 hrs. lect. per week)

HAW 101 Elementary Hawaiian I (4)
Prerequisite: Placement in ENG 100 + ENG 100S
This course is the first half of Elementary Hawaiian that teaches basic listening, speaking, reading, and writing skills. (4 hrs. lect. per week)

HAW 102 Elementary Hawaiian II (4)
Prerequisite: "C" or higher in HAW 101
This course is the second half of Elementary Hawaiian that teaches basic listening, speaking, reading, and writing skills. (4 hrs. lect. per week)

HAW 201 Intermediate Hawaiian I (4)
Prerequisite: "C'' or higher in HAW 102
This course is the first half of Intermediate Hawaiian. Language learning requires competence in four areas of skill, including listening, speaking, reading, and writing. (4 hrs. lect. per week)

HAW 202 Intermediate Hawaiian II (4)
Prerequisite: "C'' or higher in HAW 201
This course is the second half of Intermediate Hawaiian. Language learning requires competence in four areas of skill, including listening, speaking, reading, and writing. (4 hrs. lect. per week)

HAW 261 Hawaiian Literature in English (3) (DL)
Prerequisite: "C'' or higher in ENG 100, OR Placement in ENG 201-296
A literary and cultural experience of the indigenous Hawaiian culture through reading and analyzing selected major works in English translations. (3 hrs. lect. per week)

* Native speakers may not take language courses for credit.

HAWAIIAN STUDIES (HWST)

HWST 105 Mea Kanu: Hawaiian Plants and Their Uses (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
This course explores the cultural uses of plants by humans in the Hawaiian archipelago and elsewhere in Polynesia. Focus will be upon those plants that were originally found in Hawai'i when early settlers came and those plants that were brought by them. Cross-listed as BOT 105. (3 hrs. lect./demo. per week)

HWST 107 Hawai'i: Center of the Pacific (3) (DH)
Prerequisite: Placement in ENG 100 + ENG 100S
This course examines traditional Hawaiian and Pacific cultures and how outside western ideas and ideals have impacted upon island societies. Particular focus is on colonization and modernization and the conflicts they impose upon native Hawaiian and other Pacific peoples. (3 hrs. lect. per week)

HWST 110 Huaka'i Wa'a: Introduction to Hawaiian Voyaging (3)
Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: Familiarity with Hawaiian language and culture
Introduces student to modern Hawaiian canoe voyaging through an examination of the science and narratives of ancient voyaging, the history of the modern revival of voyaging, and the Hawaiian navigator's toolkit. May be taken on a CR/N basis. (3 hrs. lect. per week)

HWST 110L Wa'a Ho'okele: Hawaiian Sailing Canoes Lab (1)
Prerequisite or Co-requisite: HWST 110
Recommended Prep: Some ocean experience and experience on boats. Knowledge of one's susceptibility to seasickness and ways of preventing or dealing with seasickness, as needed.
Comment: Concurrent enrollment in or completion of HWST 110 with a "C" or higher grade. Students must pass a swim test during the first three weeks of class: Students will be asked to swim 500 meters and stay afloat for one hour in deep water. Students should also have the ability to jump onto the deck of a boat that is 1-2 feet below the pier level. Some heavy lifting (e.g. pulling up an anchor) may be required.
This course introduces students to the knowledge and skills needed to sail canoes in coastal waters. Students will apply the knowledge acquired in HWST 110 in hands-on activities. Students may enroll 2 times for a maximum of 2 credits. May be taken on a CR/N basis. (3 hrs. lab. per week)

HWST 128 Introduction to Hula Kahiko (3) (Formerly HWST 212)
An introduction to hula and oli (chant) covering the fundamentals of traditional dance and practices, language, and regional traditions. (2 hrs. lect., 2 hrs. lab per week)

HWST 129 Introduction to Hula 'Auana (3)
Recommended Prep: HAW 101
An introduction to hula 'auana covering the fundamentals of contemporary Hawaiian dance, music, practices, language, poetry, and regional traditions. (2 hrs. lect., 2 hrs. lab per week)

HWST 135 Kālai Lā'au: Hawaiian Woodwork and Wood Carving (3) (DA)
Recommended Prep: HWST 107 and/or 105
This is a Hawaiian cultural woodwork and wood carving project class. This class will involve the development of two to three introductory woodworking projects of Hawaiian cultural significance or ceremonial use. Through this class the students will develop both the skills needed to work effectively and safely with wood, and the cultural

HAW

knowledge important to the pieces developed. As a project class, there will be specific projects and themes set by the instructor of general Hawaiian cultural interest. Students will learn different aspects and solutions in carving and creating Hawaiian cultural projects. May be taken on a CR/N basis. (6 hrs. per week)

HWST 207 Mālama Ahupuaʻa: Hawaiian Perspectives in Ahupuaʻa (3) (DH)
Prerequisite: "C" or higher in HWST 107; "C" or higher in ENG 100
Comment: Transportation may be required for off campus visits to different ahupuaʻa or wahi pana.
HWST 207 will examine the ahupuaʻa system: its mythologies, place names, history, poetry and early documents of the Hawaiian nation, as it was conceptualized by the ancient Hawaiians and exploration of its relevance in modern society. The primary focus of this course will be the Hawaiian land division: the Ahupuaʻa. Through an understanding of the ahupuaʻa, students will become familiar with perspective on Hawaiian resource management and Hawaiians' relationship with the ʻāina. May be taken on a CR/N basis. (3 hrs. lect. per week)

HWST 228 Hula Kahiko (3)
Prerequisite: "B" or higher in HWST 128
Recommended Prep: HAW 101; HWST 107
Students refine and enhance skills learned in HWST 128. (2 hrs. lect., 2 hrs. lab per week)

HWST 229 Hula ʻAuana (3)
Prerequisite: "B" or higher in HWST 129
Recommended Prep: HAW 101
Instructor approval required
Students refine and enhance skills learned in HWST 129. (2 hrs. lect., 2 hrs. lab per week)

HWST 270 Hawaiian Mythology (3) (DL)
Prerequisite: HWST 107 or HAW 101; "C" or higher in ENG 100
Recommended Prep: HAW 102
Survey of Hawaiian and Polynesian gods, ʻaumakua, kupua, mythical heroes, heroines, and their kinolau as the basis of traditional Hawaiian and Polynesian metaphor. (3 hrs. lect. per week)

HWST 275A Pana Oʻahu (3)
Prerequisite: "C" or higher in HWST 107; "C" or higher in ENG 100
Recommended Prep: HAW 101
This course will survey and explore storied sites of Oʻahu and examine their geographical, historical, mythological, and cultural significance from a Hawaiian perspective as it pertains to Hawaiian Deities. Students will become familiar with various methods of knowing a place, researching Hawaiian resources, and developing critical thinking and writing skills. This course will include a substantial amount of Hawaiian language words and terminology. (3 hrs. lect. per week)

HWST 281 Hoʻokele I: Hawaiian Astronomy and Navigation (3) (DP)
Prerequisite: Placement in ENG 100 + ENG 100S or Instructor Approval
Recommended Prep: HWST 110 and HWST 107. Familiarity with Hawaiian language and culture.
An introduction to Hawaiian views of astronomy and navigation, with a focus on celestial bodies and how they are used as a basic wayfinding tool by Polynesian Voyaging Society trained navigators. Repeatable one time. May be taken on a CR/N basis. (3 hrs. lect. per week)

HWST 281L Hoʻokele I: Hawaiian Astronomy and Navigation Lab (1) (DY)
Prerequisite: Placement in ENG 100 + ENG 100S, or Instructor Approval
Prerequisite or Co-requisite: HWST 281
Recommended Prep: HWST 110 and HWST 107
Stargazing laboratory to accompany HWST 281. Repeatable one time. May be taken on a CR/N basis. (3 hrs. lab per week)

HWST 282 Hoʻokele II: Hawaiian Voyaging and Seamanship (3) (DH)
Prerequisite: Placement in ENG 100 + ENG 100S or Instructor Approval
Recommended Prep: HWST 107, HWST 110, and HWST 281
An introduction to traditional knowledge of Hawaiian voyaging and navigation and to the modern revival of voyaging arts in Hawaiʻi and Oceania. Students will learn seamanship skills needed to sail double hulled canoes; and plan voyages based on weather and sea conditions. May be taken on a CR/N basis. (3 hrs. lect. per week)

HWST 282L Hoʻokele II: Hawaiian Voyaging and Seamanship Lab (1)
Prerequisite: Placement in ENG 100 + ENG 100S or Instructor Approval
Prerequisite or Co-requisite: HWST 282
Recommended Prep: HWST 107, HWST 110, and HWST 281. Some ocean and boat/canoe experience. Knowledge of one's susceptibility to seasickness and ways of preventing or dealing with seasickness, as needed.
Comment: Students will demonstrate basic swimming and will be provided personal flotation devices if unable to demonstrate basic swimming. Students should have the ability to jump onto the deck of a vessel that is 1-2 feet below the pier level. Some heavy lifting (e.g. pulling up an anchor) may be required. A sailing laboratory to accompany HWST 282. This lab provides an introduction to voyaging and seamanship skills, including care and maintenance of sailing canoes. Repeatable one time. May be taken on a CR/N basis. (3 hrs. lab per week)

HWST 284 He Moku He Waʻa: An Island is a Canoe (3)
Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: HWST 107, HWST 282
Comment: Students will demonstrate basic swimming and will be provided personal flotation devices if unable to demonstrate basic swimming. Students should have

HWST

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - HIST

the ability to jump onto the deck of a boat that is 1-2 feet below the pier level. Some heavy lifting (e.g. lifting an anchor) may be required.

This course explores the metaphor of an island being a canoe through a survey of traditional resource management in Hawai'i, its relevance in contemporary society and a survey of voyaging including non-instrument navigation, sail planning and skills needed to sail double hulled canoes. This course also provides students with hands-on experience in voyaging and malama 'āina and examining the connections between the two. Students may enroll 2 times for a maximum of 6 credits. May be taken on a CR/N basis.
(3 hrs. lect. per week)

HWST 285 LA'AU LAPA'AU: HAWAIIAN MEDICINAL HERBS (4) (DH)

Prerequisite: HWST 107 or Instructor approval
Presentation of Hawaiian medicinal herbs including basic philosophy, identification, utilization, and preparation of such herbs for human ailments. Students may enroll 2 times for a maximum of 8 credits. May taken on a CR/N basis.
(3 hrs. lect.; 3 hrs. lab per week)

HISTORY (HIST)

HIST 151 WORLD HISTORY TO 1500 (3)

Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ENG 100
A global and historical survey focusing on human societies and cross-cultural interactions to 1500 C.E. This course analyzes the historical development of human societies and their cultural traditions in all parts of the world, including Africa, the Americas, Asia, Europe, and Oceania. (3 hrs. lect. per week)

HIST 152 WORLD HISTORY SINCE 1500 (3)

Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ENG 100
A global and historical survey focusing on human societies and cross-cultural interactions since 1500 C.E. History 152 explores the dynamic relationships within and between representative modern societies, nations, states and cultures. (3 hrs. lect. per week)

HIST 231 MODERN EUROPEAN CIVILIZATION I (3) (DH)

Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ENG 100
Historical survey of political evolution and major economic, social and cultural developments taking place in Europe. HIST 231-(1500–1815); HIST 232 (1815– present). (3 hrs. lect. per week)

HIST 232 MODERN EUROPEAN CIVILIZATION II (3) (DH)

Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ENG 100
Historical survey of political evolution and major economic, social and cultural developments taking place in Europe. HIST 231-(1500–1815); HIST 232 (1815–present). (3 hrs. lect. per week)

HIST 241 CIVILIZATIONS OF ASIA I (3) (DH)

Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ENG 100
Historical survey of major civilizations of Asia from earliest times to 1500: East Asia, Southeast Asia, and South Asia. Cross-listed as ASAN 241. Credit may be received for HIST 241 or ASAN 241, but not both.
(3 hrs. lect. per week)

HIST 242 CIVILIZATIONS OF ASIA II (3) (DH)

Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ENG 100
Continuation of HIST 241. Survey of major civilizations of Asia from 1500 to the present: East Asia, Southeast Asia, and South Asia. Cross-listed as ASAN 242. Credit may be received for HIST 242 or for ASAN 242, but not both. (3 hrs. lect. per week)

HIST 246 THE VIETNAM WAR (3) (DH)

Prerequisite: ENG 100
Instructor approval required.
Historical survey of the Vietnam War, covering the history of military and political affairs related to the nation of Vietnam from 1945 to 1975.
(3 hrs. lect. per week)

HIST 250 WORLD HISTORY AND FILM (3) (DH)

Prerequisite: "C'' or higher in ENG 100
This course examines our varying interpretations of the meaning of global historical events as they have been explored through film. The course will involve viewing films about historical events and issues, and using these films as a pathway to understanding the stories we tell ourselves about our own past and the purposes behind those stories. The course will further explore the use of metaphor and narrative, and perspective in the writing of history. May be taken on a CR/N basis. (3 hrs. lect. per week)

HIST 281 INTRODUCTION TO AMERICAN HISTORY I (3) (DH)

Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: HIST 152
Interpretative survey from the earliest settlement to 1865. (3 hrs. lect. per week)

HIST 282 INTRODUCTION TO AMERICAN HISTORY II (3) (DH)

Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: HIST 152
Interpretative survey from 1865 to the present.
(3 hrs. lect. per week)

HIST 284 HISTORY OF THE HAWAIIAN ISLANDS (3)

Prerequisite: ENG 100
Survey of the social, political, and economic history of Hawai'i from the earliest times to the present.
(3 hrs. lect. per week)

HIST 288 SURVEY OF PACIFIC ISLANDS HISTORY (3) (DH)

Prerequisite: ENG 100
Development from precolonial to modern times; early settlement, cultural contact, colonization, contemporary problems. (3 hrs. lect. per week)

HIST

Course Descriptions - HDFS

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

HIST 296E World Environmental History (3) (DH)
Prerequisite: "C" or higher in ENG 100, OR
Placement in ENG 201-296
Recommended Prep: HIST 151 and/or HIST 152
Survey of interactions between humans and the natural world from ancient eras to the present. Topics include environmental impacts of agriculture, urbanization, colonization and industrialization, as well as how development of human societies have been influenced by surrounding environments. (3 hrs. lect. per week)

HIST 296M Topics in History: Introduction to Asian American History (3) (DH)
Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: HIST 152
This course analyzes the historical development of Asian American communities in the Americas and Hawai'i. Emphasis will be placed on situating the movements of Asians within local, regional, and transnational frameworks. Students will analyze the significance of race, gender, and class in shaping the experiences of Asian American communities. The communities covered include Chinese, Filipino, Japanese, Korean, South Asian, and Southeast Asian Americans. (3 hrs. lect. per week)

HUMAN DEVELOPMENT AND FAMILY STUDIES (HDFS)

[Formerly Family Resources (FAMR)]

HDFS 100 Personal and Professional Development (3) (Formerly FAMR 100)
Prerequisite: Placement in ENG 100 + ENG 100S
Intended for those who wish to expand their self-awareness and explore personal and professional choices. Topics include self awareness, self image, identity, emotional intelligence, motivation, goal setting, job interviewing, time management, and personal financial literacy. May be taken on a CR/N basis. (3 hrs. lect. per week)

HDFS 133 Dynamics of Family Violence (3) (Formerly FAMR 133)
Recommended Prep: Placement in ENG 100
Overview of family violence which includes physical and sexual abuse of children, spousal assault, violence between siblings, abuse of the disabled, physical abuse and neglect as well as financial abuse of the elderly. Cultural/political trends to "criminalize" family violence. (3 hrs. lect. per week)

HDFS 141 Parenting (3) (Formerly FAMR 141)
Prerequisite: Placement in ENG 100 + ENG 100S
Parenting theories, methods, skills, issues, and resources; parent-child relations over the life span and in various family and cultural contexts. May be taken on a CR/N basis. (3 hrs. lect. per week)

HDFS 230 Human Development (3) (DS) (Formerly FAMR 230)
Prerequisite: Placement in ENG 100
Concepts, issues, and theories of human growth and of development from conception to death and a systems approach to inquiry into factors affecting growth and development. (3 hrs. lect. per week)

HDFS 244 Aging (3) (Formerly FAMR 244)
Prerequisite: Placement in ENG 100
Basic course in the study of developmental process and problems of aging. Students will be guided to look at aging from a systems approach. Sociological, biological, and cognitive development of the aging individual will be discussed. (3 hrs. lect. per week)

HDFS 296 Working with People (3) (Formerly FAMR 296)
Recommended Prep: Placement in ENG 100
Focuses on knowledge and skills needed in working with people. Topics include communication barriers and enhancers, conflict management, procrastination, stress and anger management, and group problem-solving skills. (3 hrs. lect. per week)

HUMAN SERVICES (HSER)

HSER 40-HSER 43 Series Special Topics in Human Services
(Number of credits depends on topic and may vary from semester to semester.)
Special topic courses. A variety of contemporary topics, workshops, projects, or readings in methods or problems in human services. May be repeated for credit. Some topics may be taken on a CR/N basis. (Class hours depend on topic and may vary from semester to semester.)

HSER 121 Family Dynamics and the Social Work Interview (3) (Formerly SOSE 21)
Recommended Prep: ENG 100
An introductory course in the field of social work/ human services. Topics include a brief overview of social work values, ethics and basic practice principles; understanding family dynamics and the process of the initial social work interview. (3 hrs. lect. per week)

HSER 140 Individual Counseling (3) (Formerly SOSE 55)
Recommended Prep: ENG 100
An introduction to individual counseling which focuses on developing and enhancing basic counseling skills. May be taken on a CR/N basis. (3 hrs. lect. per week)

HSER 150 Group Counseling (3) (Formerly SOSE 145)
Recommended Prep: Placement in ENG 100
Issues and methods in the use of small groups to promote personal growth, therapeutic interaction, and social change. Group formation, maintenance, and termination, group dynamics; and roles/skills appropriate to group leadership and membership. (3 hrs. lect. per week)

HDFS

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - HUM

HSER 170 Substance Abuse Counseling (3)
(Formerly SOSE 270)
Recommended Prep: HSER 140; and Placement in ENG 100
Designed for people interested in pursuing work in addiction treatment. Covers physical and psycho-social effects of substance abuse; screening, assessment, and counseling skills, as well as ethical and legal issues. May be taken on a CR/N basis. (3 hrs. lect. per week)

HSER 190 Internship Seminar (1)
(Formerly SOSE 51)
Co-requisite: HSER 191V
This seminar course provides an opportunity for students to discuss problems experienced in work practicum and to develop counseling, guidance, problem-solving, and evaluation competencies. This course may be repeated. Students must be concurrently enrolled in HSER 191V Human Services Internship (1 credit). (1 hr. lect. per week)

HSER 191V Human Services Internship (1–3)
(Formerly SOSE 91V)
Supervised work experience. Individualized in-service training in community service. May be repeated until 9 credits are earned. Responsibilities increase with each repeat. Concurrent enrollment in HSER 190 (Internship Seminar) is recommended. (1 cr.-5 hrs.; 2 cr.-10 hrs.; 3 cr.-15 hrs. per week for internship)

HUMANITIES (HUM)

HUM 193V Cooperative Education (1–4)
Instructor approval required.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Humanities. Students may enroll 4 times for a maximum of 12 credits. (5 hrs. work experience per week per credit)

INDUSTRIAL EDUCATION (IED)

IEDD 101 Basic Drafting And Blueprint Reading (3)
Pearl Harbor Naval Shipyard Applied Trades majors only.
A basic mechanical drawing course designed for Pearl Harbor Naval Shipyard Apprenticeship Program students. Includes the use of drafting instruments, technical terminology, drawing scales, linework, lettering, orthographic projection, auxiliary and sectional views, assemblies and pictorials, threads and welds, and basic ship drawings. Lecture, demonstration, and exercise drawing. Topics developed in related shop work apart from this course. (10 hrs. lect./lab. per week over 5 weeks)

INFORMATION AND COMPUTER SCIENCE (ICS)

(See also Computing, Security, & Networking Technology)

ICS 100 Computing Literacy and Applications (3)
Recommended Prep: ENG 100 + ENG 100S OR Placement in ENG 100
An introductory survey of computers and their role in the information world emphasizing computer terminology, hardware, and software. Opportunities for "hands-on" experience using applications software may include spreadsheets, word processing, presentations and communications. (3 hrs. lect. per week plus lab assignments.)

ICS 101 Digital Tools for the Information World (3)
Prerequisite: ENG 100 + ENG 100S OR Placement in ENG 100
Fundamental information technology concepts and computing terminology, productivity software for problem solving, computer technology trends and impact on individuals and society. Emphasizes the utilization of operating systems and the production of professional documents, spreadsheets, presentations, databases, and web pages. Meets requirements for College of Business (UHM and UHH) and UHM's Biology program and Botany Department. (3 hrs. lect. per week)

ICS 102 Introduction to Internet Resources (3)
Recommended Prep: ICS 100 or ICS 101
This course is primarily concerned with learning how to make dynamic web pages using HTML5/CSS and JavaScript. Students will learn how to make their web pages user-friendly, user-interactive and attractive to positively affect the viewer's impression of the contents. At the same time, students will participate in discussions of how a user's view of a web page, as well as the World Wide Web in general, can impact what society believes. The assignments will use JavaScript to teach students with little or no experience with programming the basics of programming. JavaScript will be used to give the students exposure to basic economics and basic statistics to help equip students to make sense of the large amount of information about things that affect their environment and society in general. (3 hrs. lect. per week)

ICS 110P Introduction to Information Systems (3)
(Formerly ICS 110)
Prerequisite: ENG 100 + ENG 100S OR Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 103 or MATH 135 or higher; and ICS 100 or ICS 101
This course provides an overview of Information Technology and introduces Internet resources and the fundamental concepts and skills of software development. Topics related to Internet resources include terminology, file formats, naming conventions, and current issues related to the Internet. Students will also learn basic programming skills and software development including discussion of compilers, interpreters, clients and servers, naming issues, programming languages and syntax. Cross-listed as CSNT 110. (2 hrs. lect.; 3 hrs. lab. per week)

ICS 111 Introduction to Computer Science I (Using Java) (4)
Prerequisite: MATH 103 OR Placement in MATH 135 or higher

An overview of the fundamentals of computer science emphasizing problem solving, algorithm development, implementation, and debugging/testing using an object-oriented programming language. (4 hrs. lect. per week)

ICS 141 Discrete Mathematics for Computer Science I (3)
Prerequisite: MATH 135
Prerequisite or Co-requisite: ICS 111
Recommended Prep: MATH 241
Includes logic, sets, functions, matrices, algorithmic concepts, mathematical reasoning, recursion, counting techniques, probability theory. (3 hrs. lect. per week)

ICS 211 IntroductIon to Computer Science II (UsIng Java) (3)
Prerequisite: ICS 111
Reinforce and strengthen problem-solving skills using more advanced features of programming languages and algorithms such as recursion, pointers, and memory management. Emphasize the use of data structures such as arrays, lists, stacks, and queues. (3 hrs. lect. per week)

INTERDISCIPLINARY STUDIES (IS)

IS 20 Introduction to the Trades (3)
This course introduces students to the trades and trade careers using the Contextual Model. Students will be asked to think and solve problems related to projects from the origination of the idea through the actual completion of the project. Students will be required to sequence the project; identify by career the people involved with the project; and identify the permits, licenses, and organizations with jurisdiction over various aspects of the project including the relevant city, county, state and national codes and regulations that apply to the project. Students will be introduced to safety, common materials, hand and power tools, current techniques and blueprint reading. (90 total student contact hours)

IS 103 Introduction to College (1)
This course is designed to orient students to the college setting. Students will be able to identify college resources, explain important policies, demonstrate knowledge of registration procedures, discuss definition of success and evaluate their important life roles. Students may enroll 2 times for a maximum of 1 credit. (1 hr. lect. per week)

IS 106 Sustainable Construction Practices (1)
The green environment has become an important consideration in the construction industry. Construction craft workers must understand how their daily activities at work and at home affect the green environment. This course explains how the things they do each day can make a difference. They will learn how buildings they construct affect the green environment and how to apply the principles of a green building rating system. (1 hr. lect. per week)

JAPANESE (JPN) *

JPN 101 Elementary Japanese I (4)
Prerequisite: Placement in ENG 100
This course is the first half of Elementary Japanese that teaches basic listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

JPN 102 Elementary Japanese II (4)
Prerequisite: JPN 101
This course is the second half of Elementary Japanese that teaches basic listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

JPN 124 Japanese for Professions (1)
This course teaches Japanese vocabulary, expressions, and etiquette of specific professions. Classes provide hands-on, content-rich educational experiences that encourage active engagement with advanced Japanese terminology used in such fields as health care, real estate, business, among others.
Each session focuses on one area of expertise.
May be taken on a CR/N basis.
(3 hrs. lect. per week for 5 weeks)

JPN 142 Japanese for Hospitality (3)
Japanese 142 (3 credits) is a conversational Japanese course focusing on developing basic Japanese language skills most relevant to Hawaii's retail, restaurant, and hotel industries. Japanese etiquette that accompanies topics is also covered. No previous Japanese language learning experience is necessary for this course. (3 hrs. lect. per week)

JPN 143 Japanese for Service Industry (3)
Japanese 143 (3 credits) is a conversational Japanese course focusing on developing Japanese language skills used in the area of the service industry, such as transportation, tourism, hair salons, nail salons, spas, etc. Japanese etiquette topics are also covered. No previous Japanese language learning experience is necessary for this course. (3 hrs. lect. per week)

JPN 201 Intermediate Japanese I (4)
Prerequisite: "C" or higher in JPN 102
This course is the first half of Intermediate Japanese that further develops listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

JPN 202 Intermediate Japanese II (4)
Prerequisite: "C" or higher in JPN 201
This course is the second half of Intermediate Japanese that further develops listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

JPN 280 Teaching Practicum in Japanese (4)
Prerequisite: Native, near-native, or advanced level competence of Japanese Instructor approval based on interview and exam. Comment: This course involves

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - JOUR

working with beginning and intermediate students who are learning Japanese. This teaching practicum course helps students learn to teach elementary to intermediate courses of the language. The course is open to native, near-native, or advance level of competence of Japanese. May be taken on a CR/N basis. (3 hrs. lect; 3 hrs. lab per week)

* Native speakers may not take language courses for credit.

JOURNALISM (JOUR)

JOUR 150 The Media and Society (3) (DS)
Historical and technological development of communications media in relation to freedom of expression, the role of the media in contemporary society, with emphasis on the economic, social and political effects. (3 hrs. lect. per week)

JOUR 204 Writing for the Web and Social Media (3)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
An introduction to the theory and practice of writing for the Internet. Application of theory to the unique story-telling style required for communicating effectively on the Web. (3 hrs. lect. per week)

JOUR 205 News Writing (3)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
Fundamentals of news style, reporting, etc.
(3 hrs. lect. per week)

JOUR 206 News Editing (3)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
News and photo editing, headline writing, publications makeup. (3 hrs. lect. per week)

JOUR 207 Photojournalism (3) (DA)
Prerequisite: Placement in ENG 100
Introduction to the practical and ethical concerns of photojournalism. Photojournalism is a unique style of photography that places an emphasis on photographs that inform and evoke emotion. Topics will include the different types of news photographs, the photojounalist's place in the newsroom, responsibilities of the photojournalist, caption writing, photo editing, photo essays, page layout & design and the electronic darkroom. Projects will include photographic newsworthy events on and off campus, including breaking news, campus life, sports, meetings, entertainment and every day life. Students are required to have access to a working digital camera, including smartphones. (3 hrs. lect. per week)

JOUR 230 Introduction to Public Relations (3)
Prerequisite: "C" or higher in ENG 100 OR Placement in ENG 201-296
Recommended Prep: JOUR 150
An introduction to the theories, principles and practice of contemporary public relations, its role in organizations and society. Application of theory and principles to public relations programs.
(3 hrs. lect. per week)

JOUR 268 Literary Nonfiction (3)
Prerequisite: "C" or higher in ENG 100, OR Placement in ENG 201-296
This course is an introduction to the genre of literary nonfiction. The course provides an opportunity to study and practice the techniques of what is sometimes known as New Journalism or even New New Journalism. Cross listed as ENG 268.
(3 hrs. lect. per week)

JOUR 285V Newspaper Laboratory (1–3)
Complete production of the campus newspaper including writing, editing, photography, layout, etc. May be repeated for credit. *(3–9 hrs. lab. per week)*

KINESIOLOGY & LEISURE SCIENCE (KLS)

KLS 195 Personal Health and Wellness (3) (Formerly HPER 195)
Recommended Prep: ENG 100 + ENG 100S or ESL 23, OR Placement in ENG 100
Scientifically based information will be presented to help the student make decisions and take responsibility for his/her own health and health-related behaviors. The student will develop a personal, daily physical activity/exercise program, in which he/she will participate and be monitored.
(3 hrs. lect. per week)

KOREAN (KOR)

KOR 101 Elementary Korean I (4)
Prerequisite: Placement in ENG 100
Korean 101 is the first half of an elementary course focusing on listening, speaking, reading, writing, and grammar. The class meets two hours, two times a week, and includes independent listening practice using the Internet. (4 hrs. lect. per week)

KOR 102 Elementary Korean II (4)
Prerequisite: "C" or higher in KOR 101
Korean 102 is the second half of an elementary course focusing on listening, speaking, reading, writing, and grammar. The class meets two hours, two times a week, and includes independent listening practice using the Internet. (4 hrs. lect. per week)

KOR 201 Intermediate Korean I (4)
Prerequisite: "C" or higher in KOR 102
Korean 201 is the first half of an intermediate course on spoken and written Korean designed for students who expect to further develop their language skills. In addition, all students are required to engage in regular independent listening practice using the Internet.
(4 hrs. lect. per week)

JOUR

KOR 202 Intermediate Korean II (4)
Prerequisite: "C" or higher in KOR 201
Korean 202 is the second half of an intermediate course on spoken and written Korean designed for students who expect to further develop their language skills. In addition, all students are required to engage in regular independent listening practice using the Internet. Classes will be conducted as much as possible in Korean. (4 hrs. lect. per week)

KOR 280 Teaching Practicum in Korean (4)
Prerequisite: Native, near-native, or advance level competence of Korean
Instructor approval based on interview and exam.
Comment: This course involves working with beginning and intermediate students who are learning Korean.
This teaching practicum course helps students learn to teach elementary to intermediate courses of the language. This course is open to native, or advance level of competence of Korean. May be taken on a CR/N basis. (3 hrs. lect; 3 hrs. lab per week)

* Native speakers may not take language courses for credit.

LEARNING SKILLS (LSK)

LSK 30 College Study Skills (3)
Students will develop ability to organize materials, utilize the library, take notes in class, manage their time, prepare and take exams, take responsibility for their own learning and get individual attention as needed. (3 hrs. lect. per week)

LSK 30A College Study Skills (1)
(Formerly LSK 97A)
Students will develop ability to organize materials, take notes in class, utilize the library, manage their time, prepare and take exams, and other related study skills. (1 hr. lect. per week)

LSK 50 Computer Skills (3)
Prerequisite: ICE 4 OR Placement in ICE 5
This is a first computer course for students with minimal computer and study skills. This "hands-on" course is an introduction to the use of the computer as a tool in the college setting. Students will work with word processing, spreadsheet and database software. May be taken on a CR/N basis. (3 hrs. lect. per week)

LSK 100 Computer Applications and Skills (3)
Prerequisite: Placement in ENG 100
A basic introduction to computer concepts and applications relevant to academic success at college. This course includes daily hands-on experience with word processing, database, spreadsheet, and other applications as they apply to the successful completion of college level projects, such as term papers, note taking, bibliographies, research through remote access of information, and quantitative analysis. May be taken on a CR/N basis.
(3 hrs. lect./demo. plus open lab. per week)

LINGUISTICS (LING)

LING 102 Introduction to the Study of Language (3) (DL)
Prerequisite: Placement in ENG 100
Instructor Approval
Introduction to the study of language and language-related issues, its relevance to contemporary issues in society, and local language issues. The main objective of this course is to provide students with an opportunity to examine language from a linguist's perspective–one from an analytical and scientific point of view. Students will learn how language is integrated within cognition, culture, history, and society. (3 hrs. lect. per week)

Marine Biology
(See ZOOL 200)

Marine Technologies
(See Small Vessel Fabrication and Repair)

MATHEMATICS (MATH)

MATH 24 Elementary Algebra I (3)
Prerequisite: Placement in MATH 24
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
MATH 24 represents the first course in a two-course sequence covering elementary algebra topics. Topics include operations with real numbers, linear equations and inequalities, graphing, linear systems, and applications. (3 hrs. lect. per week)

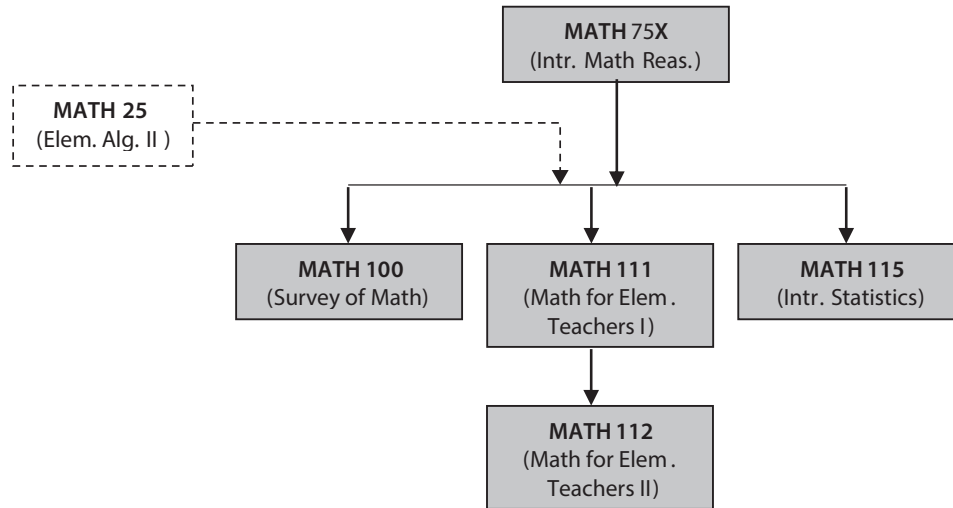**MATH 25 Elementary Algebra II (3)**
Prerequisite: "C" or higher in MATH 24 or "C" or higher in MATH 75X OR Placement in MATH 25
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
MATH 25 represents the second course in a two-course sequence covering elementary algebra topics. Topics include properties of exponents, operations on polynomials, factoring, rational expressions and equations, roots and radicals, quadratic equations, and applications. (3 hrs. lect. per week)

MATH 50 Technical Mathematics (3)
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Introduction to algebra, graphs, unit conversions, solving linear and systems of linear equations, working with formulas, quadratic formula, and GCF factoring. Developing skills in problem solving for students interested in Vocational-Technical programs. (3 hrs. lect. per week)

MATH 50P Technical Mathematics (3)
Major Restriction: Applied Trades AS
Basic algebra, geometry, and measurements as applied to shop problems. Solving algebraic equations and geometry with formulas. Developing skills in problems solving and analysis. Restricted to students in the Pearl Harbor Naval Shipyard (PHNSY) (9 hrs. lect. per week)

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

MATH 55 TECHNICAL MATHEMATICS II (3)
Prerequisite: "C'' or higher in MATH 50 or in 53 OR Placement in MATH 55 or higher
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Basic numerical trigonometry and further applications of algebra and geometry to shop problems. Intended for students interested in Vocational-Technical programs. (3 hrs. lect. per week)

MATH 75X INTRODUCTION TO MATHEMATICAL REASONING (4)
This course prepares students for the College transfer-level Non-Calculus pathway: MATH 100, MATH 111, MATH 115, MATH 150. Course topics include ratio and percent, unit conversions, graphs, basic algebra, solving linear equations, working with formulas, and also includes system of linear equations with substitution, quadratic formula, and GFC factoring. (3 hrs. lect.; 3 hrs. lab per week)

MATH 100 SURVEY OF MATHEMATICS (3)
Prerequisite: "C'' or higher in MATH 25 OR "C" or higher in MATH 75X or Placement in MATH 100 or higher.
Recommended Prep: Placement in ENG 100 with ENG 100S or ESL 23; Math prerequisites should be completed within the last two (2) years.
Designed to develop quantitative and analytical reasoning abilities including real-world problems. Course covers inductive and deductive reasoning, set theory, logic with truth tables, numeration systems in history, basic probability, descriptive statistics, and may include additional topics. Does not satisfy the prerequisite for Math 103. (3 hrs. lect. per week)

MATH 103 COLLEGE ALGEBRA (3)
Prerequisite: "C" or higher in MATH 25 OR Placement in MATH 103 or higher
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
An extension of the elementary algebra sequence designed to prepare students for precalculus. Topics include simplification of algebraic and radical expressions, factoring, solution of linear, quadratic, absolute value and literal equations and inequalities, complex numbers, solution of linear and quadratic systems, logarithms and an introduction to functions and their graphs. (3 hrs. lect. per week)

MATH 111 MATH FOR ELEMENTARY TEACHERS I (3)
Prerequisite: "C'' or higher in MATH 25 OR "C" or higher in MATH 75X OR Placement in MATH 100 or higher AND a "C" or higher in ENG 100
Recommended Prep: Math prerequisite is completed within the last two (2) years.
Elementary Education majors only.
Comment: Recommended for prospective elementary education majors.
MATH 111 is the first of a two-course sequence designed to give prospective elementary education majors the depth of understanding necessary to teach mathematics in the elementary classroom. Topics include numbers (whole and rational), operations and their properties, patterns, and basic geometry. The emphasis is on understanding and communicating mathematical ideas using reasoning and developing a growth mindset in learning mathematics. It is recommended that students needing both MATH 111 and MATH 112 take the courses in sequential semesters and from the same institution. (3 hrs. lect. per week)

MATH 112 MATH FOR ELEMENTARY TEACHERS II (3)
Prerequisite: "C'' or higher in MATH 111 AND "C" or higher in ENG 100
Recommended Prep: Math prerequisite is completed within the last two (2) years.
Elementary Education majors only.
MATH 112 is the second of a two-course sequence designed to provide a rigorous background in mathematical concepts and reasoning for students intending careers in elementary education. Topics include patterns and algebra, probability, measurements, connections to other parts of mathematics and applications. The emphasis is a thorough understanding, and ability to communicate/present mathematical ideas based on a growth mindset in learning mathematics. (3 hrs. lect. per week)

MATH 115 INTRODUCTION TO STATISTICS AND PROBABILITY (3)
Prerequisite: "C'' or higher in MATH 25 OR "C" or higher MATH 75X OR Placement in MATH 115
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Recommended Prep: Placement in ENG 100 or ESL 23
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. (3 hrs. lect. per week)

MATH 135 PRECALCULUS: ELEMENTARY FUNCTIONS (3)
Prerequisite: "C'' or higher in MATH 103 OR Placement in MATH 135
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Investigates linear, quadratic, polynomial, rational, exponential, logarithmic functions, and related topics. This course is the first part of the precalculus sequence. (3 hrs. lect. per week)

MATH 140 PRECALCULUS: TRIGONOMETRY AND ANALYTIC GEOMETRY (3)
Prerequisite: "C'' or higher in MATH 135 OR Placement in MATH 140
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Studies trigonometric functions, analytic geometry, polar coordinates, vectors, and related topics. Studies trigonometric functions, analytic geometry, polar coordinates, vectors, and related topics. This course is the second part of the precalculus sequence. (3 hrs. lect. per week)

MATH

College Math Pathway

This chart illustrates the pathway of math courses for students seeking degrees that do NOT require College Algebra, Trigonometry or Calculus. Basically this pathway is for "Non-STEM" students. Before enrolling into a math course students are required to meet with an Academic Counselor to determine their major, their transfer school, and their courses. Students with undecided or undeclared majors are required to follow this pathway.

MATH 75X (Intr. Math Reas.)

MATH 25 (Elem. Alg. II)

MATH 100 (Survey of Math)

MATH 111 (Math for Elem. Teachers I)

MATH 115 (Intr. Statistics)

MATH 112 (Math for Elem. Teachers II)

Technical Math Pathway

This chart illustrates the pathway of math courses for students seeking Technical two-year degrees that do NOT require College Math, College Algebra, Trigonometry or Calculus. Basically this pathway is for "CTE" students. Before enrolling into a math course students are required to meet with an Academic Counselor to determine their major and their courses.

MATH 50 (Tech. Math)

MATH 25 (Elem. Alg. II)

MATH 75X (Intr. Math Reas.)

MATH 150 (Tech. College Math)

MATH

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - MATH
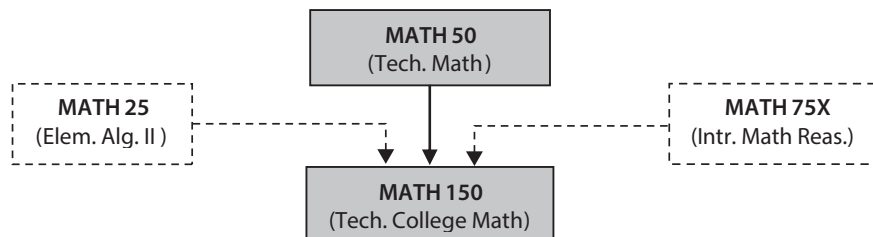
College Algebra Pathway

This chart illustrates the pathway of math courses for students seeking degrees that require College Algebra, Trigonometry, and/or Calculus. Basically this pathway is for "STEM" students. Before enrolling into a math course students are required to meet with an Academic Counselor to determine their major, their transfer school, and their courses. This pathway contains accelerated courses which WILL contain daily classes, increased daily study time, and a greater assignment workload for the entire semester (similar to two courses in one semester).

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┌──────────────────────────┐
│ Placement Requirement    │
└──────────────────────────┘
            │
            ▼
┌──────────────────────────┐        ┌──────────────────────────────┐
│ MATH 24 (Elem. Algebra I)│        │ Higher Placement Requirement │        ┌ ─ ─ ─ ─ ─ ─ ─ ─ ┐
│ First 8-weeks            │        └──────────────────────────────┘          MATH 75X
│ MATH 25 (Elem. Algebra II)│                    │                          │ (Intr. Math Reas.) │
│ Second 8-weeks           │                    ▼                           └ ─ ─ ─ ─ ─ ─ ─ ─ ┘
└──────────────────────────┘        ┌──────────────────────────────┐
            │                        │ MATH 25 (Elem. Algebra II)   │
            ▼                        │ First 8-weeks                │
┌──────────────────────────┐        │ MATH 103 (College Algebra)   │
│ MATH 103                 │        │ Second 8-weeks               │
│ (College Algebra)        │        └──────────────────────────────┘
└──────────────────────────┘
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MATH 24 (Elem. Algebra I)
First 8-weeks
MATH 25 (Elem. Algebra II)
Second 8-weeks

Higher Placement Requirement

MATH 75X
(Intr. Math Reas.)

MATH 25 (Elem. Algebra II)
First 8-weeks
MATH 103 (College Algebra)
Second 8-weeks

MATH 103
(College Algebra)

MATH 135
(Pre-Cal. Alg)

MATH 203
(Business Calc.)

MATH 140
(Pre-Cal. Trig)

MATH 241
(Calculus I)

MATH 242
(Calculus II)

MATH 243
(Calculus III)

MATH 244
(Calculus IV)

MATH

MATH 150 Technical College Mathematics (3)
Prerequisite: "C'' or higher in MATH 25/50/75X OR Placement in MATH 150
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Calculating geometric perimeters, areas, and volumes. Trigonometry ratios for angles and values. Solving right and oblique triangles with trigonometry. Graphing trigonometry and vectors. Adding vectors with trigonometry and determine component vectors. Solve applied work-related problems.
(3 hrs. lect. per week)

MATH 150P Technical College Mathematics (3)
Prerequisite: "C'' or higher in MATH 50P
Major Restriction: Applied Trades AS
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Geometric angles of polygons and circles, including chord, tangent, arc, interior and exterior angle theorems. Trigonometry for right triangles and oblique triangles. Law of Sines & Law of Cosines, Graphing vectors, adding vectors with trigonometry, and determine component vectors. Solve course topics in applied work-related problems. Restricted to students in the Pearl Harbor Naval Shipyard program (PHNSY). (9 hrs. lect. per week)

MATH 203 Calculus for Business and Social Sciences (3)
Prerequisite: "C'' or higher in MATH 135 or Placement in MATH 140
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Basic concepts; differentiation and integration; applications to management, finance, economics, and the social sciences. (3 hrs. lect. per week)

MATH 241 Calculus I (4)
(Formerly MATH 205)
Prerequisite: "C'' or higher in MATH 140 OR Placement in MATH 241
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Basic concepts, techniques and applications of differentiation; introduction to integration.
(5 hrs. lect. per week)

MATH 242 Calculus II (4)
(Formerly MATH 206)
Prerequisite: "C'' or higher in MATH 241 OR Placement in MATH 242
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Differentiation and integration of trigonometric, exponential, and logarithmic functions; introduction to hyperbolic functions; techniques and applications of integration; infinite sequences and series.
(5 hrs. lect. per week)

MATH 243 Calculus III (3)
(Formerly MATH 231)
Prerequisite: "C'' or higher in MATH 242 OR Placement in MATH 243

Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Functions of several variables, vectors and 3-dimensional analytic geometry, partial Functions of several variables, vectors and 3-dimensional analytic geometry, partial differentiation and applications, parametric equations, polar coordinates. (3 hrs. lect. per week)

MATH 244 Calculus IV (3)
(Formerly MATH 232)
Prerequisite: "C'' or higher in MATH 243 OR Placement in MATH 244
Recommended Prep: Math prerequisites should be completed within the last two (2) years.
Multiple integrals, line integrals, surface integrals, and applications, introduction to ordinary differential equations. (3 hrs. lect. per week)

MICROBIOLOGY (MICR)

MICR 130 General Microbiology (3) (DB)
An introductory course to the world of micro-organisms, with emphasis on bacteria, but including algae, fungi, protozoa, and viruses; their structure, growth and development, reproduction, and classification; and, their effects on people and their environment. Also included are selected topics in medical microbiology, immunology, and applied microbiology including food, industrial, sanitation, and public health microbiology. (3 hrs. lect. per week)

MICR 140L General Microbiology Laboratory (2) (DY)
Prerequisite or Co-requisite: MICR 130
Laboratory illustrating fundamental principles and techniques of microbiology. (4 hrs. lab. per week)

MILITARY SCIENCE & LEADERSHIP (MSL)
FORMERLY MILITARY SCIENCE (MSCI)

A weekly one-hour leadership laboratory is required for courses numbered 200 and above. This laboratory is optional for the 100-level courses. The laboratory includes practical application of leadership skills, drills and ceremonies, basic soldiering skills, and Army Physical Fitness Training (APFT).

MSL 100 Introduction to Physical Fitness (1)
Hands-on participatory course following the Army's physical fitness program. Classes conducted three days per week with Army ROTC cadets. Focus is on aerobic conditioning, muscular strength and endurance. Repeatable 3 times. A-F only. (4.5 hrs. lab. per week)

MSL 101 Introduction to Military Science I (2)
Introduces cadets to personal challenges and competencies critical for effective leadership; personal development of life skills such as goal setting, time management, physical fitness, and stress management related to leadership, officership, and the Army profession. Focus on developing basic knowledge and comprehension of Army Leadership Dimensions while

MICR

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - MUS

understanding the ROTC program, its purpose in the Army, and its advantages for the student.
(2 hrs. lect. per week)

MSL 101L Introduction to Military Science I Lab (1)
Co-requisite: MSL 101
Practical application in adventure training, Army field craft, rifle marksmanship, land navigation, drill and ceremonies, physical training. (2 hrs. lab. per week)

MSL 102 Introduction to Military Science II (2)
Overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback and using effective writing skills. Explores leadership values, attributes, skills, and actions in the context of practical, hands-on, and interactive exercises. Cadre role models and building stronger relationships among cadets through common experience and practical interaction are critical.
(2 hrs. lect. per week)

MSL 102L Introduction to Military Science II Lab (1)
Co-requisite: MSL 102
Practical application in adventure training, Army field craft, rifle marksmanship, land navigation, drill and ceremonies, physical training. (2 hrs. lab. per week)

MSL 201 Intermediate Military Science I (3)
Explores creative and innovative tactical leadership strategies and styles through historical case studies and engaging in interactive student exercises. Cadets practice aspects of personal motivation and team building by planning, executing, and assessing team exercises. Focus is on continued development of leadership values and attributes through understanding of rank, uniform, customs and courtesies. (2.5 hrs. lect.; 2 hrs. lab. per week)

MSL 202 Intermediate Military Science II (3)
Challenges of leading complex, contemporary operational environments. Dimensions of cross-cultural challenges of leadership in a constantly changing world are highlighted and applied to practical Army leadership tasks and situations. Cadets develop greater self awareness as they practice communication and team building skills, and tactics in real world scenarios. Provides a smooth transition to UHM MSL 301. (2.5 hrs. lect.; 2 hrs. lab. per week)

MSL 203 ROTC Basic Camp (6)
Instructor approval required.
Four-week summer course conducted at Ft. Knox, Kentucky. Substitutes for ROTC basic course (101, 102, 201, and 202) and fulfills course requirement for admission to ROTC advanced courses. Credit will be given for MSL 203 or basic courses, but not both.

MUSIC (MUS)

MUS 106 Introduction to Music Literature (3) (DA)
Prerequisite: Placement in ENG 100 + ENG 100S
This is a music appreciation course with an emphasis on developing listening skills. Music of all periods is surveyed. Concert attendance supplements discussion of various styles of music. (3 hrs. lect. per week)

MUS 107 Music In World Cultures (3)
Prerequisite: Placement in ENG 100 + ENG 100S
An introduction to the field of ethnomusicology, in which historical, religious, social and political aspects of a society are studied in relationship to its music traditions and culture. In addition to these aspects, the musical elements of each culture are analyzed for the types of instruments, form/structure, context, activities, and music aesthetics. May be taken on a CR/N basis. (3 hrs. lect. per week)

MUS 114 College Chorus (2)
Music 114 is a performance-oriented course for students interested in singing in a large ensemble. The selected repertoire is drawn from a range of classical, popular (jazz, musical theatre, pop) and Polynesian/ethnic choral literature. Rehearsal and performing practices as well as basic music reading are included in the course of study. An extra-curricular concert is scheduled at the end of the semester. Previous choral experience is not required.
(1 hr. lect. /2 hrs. lab. per week)

MUS 121B Voice 1 (2)
MUS 121B is the first of a three-semester sequence in learning solo singing skills. Concepts and skills introduced in the class include proper breath control and support, developing and discovering vocal production and potential, basic musicianship, song interpretation, and the basic principles of performing.
(1 hr. lect. /2 hrs. lab. per week)

MUS 121D Guitar 1 (2) (DA)
Comment: Students must supply their own guitar.
Basic principles of classical guitar performance. Relevant problems in guitar literature at the elementary level. May be taken on a CR/N basis.
(1 hr. lect.; 2 hrs. lab. per week)

MUS 121Z 'Ukulele 1 (2) (DA)
Comment: Students must supply their own 'ukulele (soprano, concert, or tenor.)
An introduction to basic principles of playing the 'ukulele. Concepts and skills introduced in the class include basic musicianship, tuning, chord structures, basic strumming techniques, and principles of accompanying and performing. May be taken on a CR/N basis. (1 hr. lect; 2 hrs. lab. per week)

MUS 122D Guitar 2 (2) (DA)
Prerequisite: MUS 121D, or Instructor Approval
Comment: Students must supply their own guitar.
Basic principles of classical guitar performance. Relevant problems in guitar literature at the intermediate-early advanced level. May be taken on a CR/N basis. (1 hr. lect.; 2 hrs. lab. per week)

MUS 122Z 'Ukulele 2 (2) (DA)
Prerequisite: MUS 121Z or Instructor Approval
Comment: Students must supply their own 'ukulele (soprano, concert, or tenor.)

MUS

An intermediate level performance course reinforcing the music concepts/principles of MUS 121Z. Concepts and skills introduced in the class include: basic musicianship, chord identification and progressions, strumming and picking techniques, and the principles of arranging and performing. May be taken on a CR/N basis. (3 hrs. lect./lab. per week)

MUS 253 Elementary Music in Action (3) (DA)
Prerequisite: Placement in ENG 100 + ENG 100S
An exploration of theory and practice of music for prospective school teachers. Examines the elements of music-pitch, time, form and performance media. These elements are explored and applied thru singing, playing of ukulele, piano and percussion instrument, listening, movement, notation of music, performing from notation and analysis of music both aurally and from musical scores. The creative use of musical elements is emphasized in this course. May be taken on a CR/N basis. (3 hrs. lect. per week)

MUSIC & ENTERTAINMENT LEARNING EXPERIENCE (MELE)

MELE 101 Survey of Music & Entertainment Business (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 24, OR Placement in MATH 25
Attention is given to the practical application, theoretical foundations, in-depth analysis of organizations as well as general overview of the career opportunities found in the music & entertainment industry. May be taken on a CR/N basis. (3 hrs. lect. per week)

MELE 102 Survey of Recording Technology (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 24, OR Placement in MATH 25
A study of the major areas of recording technology as related to the music industry. The student receives an overall view of analog and digital technology with attention to its innovations, history and effect on the industry. May be taken on a CR/N basis.
(3 hrs. lect. per week)

MELE 103 Modern Music & Theory For the Music & Entertainment Professional (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 24, OR Placement in MATH 25
Recommended prep: ENG 100
MELE majors only.
A modern approach to the fundamentals of music & theory for the contemporary music & entertainment industry. Topics such as critical listening skills, song form analysis, rhythm & harmony, and lead sheet creation will help to strengthen the student's understanding of musicianship and the creative process. Letter grade only. (3 hrs. lect. per week)

MELE 104 Songwriting & Arranging Techniques (3)
Prerequisite: "C" or higher in MELE 103
MELE majors only.
A study of music arranging and songwriting techniques for the contemporary music & entertainment industry. Students will work on their own original compositions with an emphasis on creating and pitching music for advertising, film & television, and recording artists. May be taken on a CR/N basis. (3 hrs. lect. per week)

MELE 201 History of the Recording & Entertainment Industry (3)
Prerequisite: "C" or higher in MELE 101
A study of the foundations of the recorded music business, which includes the development of record labels, technology-driven changes, and key recordings from 1877 to the present. Also discussed is the formation of the major radio and television networks and the development of the marketing structure whereby recorded music is exposed and sold to consumers. May be taken on a CR/N basis. (3 hrs. lect. per week)

MELE 202 Public Relations in the Music & Entertainment Industry (3)
Prerequisite: "C" or higher in MELE 101
A practical and theoretical survey in the conceptualization, design and execution of effective public relations in the music & entertainment industry and its influence in other environments, including social media, film & television, and special event management. May be taken on a CR/N basis. (3 hrs. lect. per week)

MELE 203 Intellectual Properties in the Music & Entertainment Industry (3)
Prerequisite: "C" or higher in MELE 204
A comprehensive study of intellectual property, the rationale for intellectual property protection, current issues involving intellectual property, international intellectual property issues, and the role of intellectual property in the music and entertainment industry. The types of intellectual property covered include copyrights, trademarks, trade secrets, and patents. Primary emphasis will be on copyright since that is an area of intellectual property most relevant to the music & entertainment industry. (3 hrs. lect. per week)

MELE 204 Music Publishing in the Entertainment Industry (3)
Prerequisite: "C" or higher in MELE 201 and in MELE 202
A study of the major income streams found in music publishing. Fundamental topics such as types of deals, contracts, music licensing, foreign publishing, and catalog development will be discussed. Students form their own independent music publishing companies and learn the process of signing a songwriter, cutting a demo, and pitching their songs to the appropriate parties. (2 hrs. lect.; 2hrs. lab. per week)

MELE 205 Concert and Event Production (3)
Prerequisite: "C" or higher in MELE 201 and 202
Recommended prep: ENG 100
MELE majors only.
A survey of the concert & special events business with primary emphasis given to the organizations involved in the production and presentation of small to large scale events found in the music & entertainment

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - MELE

industry. Students learn the fundamental skills to successfully plan, produce, and present an end-of-semester concert/special event. (2 hrs. lect.; 2 hrs. lab per week)

MELE 206 Music Supervision (3)
Prerequisite: "C" or higher in MELE 201 and 202
MELE majors only.
A survey of the music supervision business with primary emphasis on developing a student's musical vision and style to best suit any creative media project. Students learn the fundamental skills needed to identify, secure, and supervise music-related content. (3 hrs. lect. per week)

MELE 211 Audio Engineering I (4)
Prerequisite: "C" or higher in ENG 100, and in MELE 212, and in MELE 214
MELE majors only.
A detailed study of the technical characteristics and performance of each component of the recording studio. Topics include basic studio electronic signal flow, tape machine operations, dynamic processing, basic microphone use, studio acoustics, session procedures and the role of the assistant engineer. Emphasis is placed on developing audio perception skills for recording engineers. May be taken on a CR/N basis. (2 hrs. lect.; 4 hrs. lab. per week)

MELE 212 Digital Audio: Theory and Workstations (3)
Prerequisite: "C" or higher in MELE 102
Co-requisite: MELE 214
MELE majors only.
This course is an introductory study into digital audio and the digital audio workstation (DAW). Topics include, but not limited to, digital audio theory, software and hardware components of a DAW, MIDI, ProTools basics for engineers and industry applications. May be taken on a CR/N basis. (3 hrs. lect. per week)

MELE 213 Studio Production (3)
Prerequisite: "C" or higher in MELE 211
MELE majors only.
An in-depth study of the producer and the production of recorded music product. Students will create "demo" and "master" projects under the guidance of the instructor. May be taken on a CR/N basis. (3 hrs. lect. per week)

MELE 214 Electronics for Audio Engineers (4)
Co-requisite: MELE 212
MELE majors only.
This course is an introduction to Electronics for Audio Engineers. Topics include DC circuits, AC circuits, Signal flow, Semiconductors, Studio Design and Audio over IP. (2 hrs. lect.; 4 hrs. lab. per week)

MELE 215 Sound Reinforcement (4)
Prerequisite: "C" or higher in MELE 102, and in ENG 100
MELE majors only.
A practicum based study of equipment, systems concepts, design, and acoustical problems involved in sound reinforcement for live performances and touring as related to professional concert situations. Lab hours required. May be taken on a CR/N basis. (2 hrs. lect.; 4 hrs. lab. per week)

MELE 216 Live Audio for Media (4)
Prerequisite: "C" or higher in MELE 102, and in ENG 100
MELE majors only.
A hands on approach to the study of equipment, systems concepts, design, and acoustical problems involved in Live Audio for Media. Topics include, but are not limited to, Audio for Video at Live Events, A/V and Conferencing, Field and Set Recording, and Audio for Internet Mediums. (2 hrs. lect.; 4 hrs. lab. per week)

MELE 220 Audio Engineering II (4)
Prerequisite: "C" or higher in MELE 211 and in MELE 212
MELE majors only.
A continuation of MELE 211, this course is an advanced study of the technical characteristics and performance of each component of the recording studio. Topics include advanced studio electronics and signal flow, computer-based digital recording and editing, analog and digital tape machine operations, automated console operations, condenser microphones, spatial signal processing, and the role of the audio engineer. The development of audio perception skills for recording engineers is emphasized. Lab hours required. (2 hrs. lect.; 4 hrs. lab. per week)

MELE 222 Advanced Digital Audio: Theory and Workstations (3)
Prerequisite: "C" or higher in MELE 212
MELE majors only.
This course is an advanced study into digital audio and the digital audio workstation (DAW). Topics include, but are not limited to, digital audio theory, software and hardware components of a DAW, MIDI, ProTools basics for engineers and industry applications. May be taken on a CR/N basis. (3 hrs. lect. per week)

MELE 275 Practicum (4)
Instructor approval required based on completion of 40 MELE program hours.
MELE majors only.
Practicum is a capstone course designed to provide students who have successfully completed program course work and program hours to intern at selected music and entertainment industry businesses. (150 hours of independent, supervised work to fulfill MELE graduation requirement)
(1 hr. lect.; 9 hrs. Practicum per week)

MELE 311 Audio Post Production I (3)
Prerequisite: MELE 212 or junior standing
This course is an introduction to Audio Post Production. Topics include, but are not limited to Dialogue, ADR, Sound Effects and design. This course supports the Creative Media concentration at the University of Hawai'i West Oahu. May be taken on a CR/N basis. (3 hrs. lect. per week)

MELE 320 Audio Post Production II (3)
Prerequisite: MELE 311
This course is a study in advanced Audio Post

MELE

Production. Topics include, but are not limited to Foley, Re-Recording Mixing and Surround Sound. This course supports the Creative Media concentration at the University of Hawai'i West Oahu. May be taken on a CR/N basis. (3 hrs. lect. per week)

OCCUPATIONAL AND ENVIRONMENTAL SAFETY MANAGEMENT (OESM)

OESM 101 INTRODUCTION TO OCCUPATIONAL SAFETY AND HEALTH (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 100/103/115
An overview of the development and implementation of basic safety and health principles and techniques; identification of factors of causation, techniques of investigation and reporting and environment effects; survey of regulations and professional guidelines. Required for OESM majors. (3 hrs. lect. per week)

OESM 102 SAFETY AND HEALTH STANDARDS, CODES AND REGULATIONS (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 100/103/115
Recommended Prep: OESM 101
History of the enactment of OSHA and other implementing legislation; an over-view of professional trends and career opportunities in occupational safety and health; occupational injuries and illness—scope of the problem, cost factors and causal factors of safety; concepts and techniques of inspections; emphasis on HIOSH standards for general industry. Required for OESM majors. (3 hrs. lect. per week)

OESM 103 INTRODUCTION TO ERGONOMICS (3)
Prerequisite: OESM 101
An introduction to the basic issues of ergonomics and their occupational applications, focusing on how to adapt the tasks to workers. Topics include work station design, man and machine interaction, lighting, load handling, and shift work. (3 hrs. lect. per week)

OESM 104 OCCUPATIONAL-RELATED DISEASES (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 100/103/115
Basic information on major occupational diseases, how toxic materials and harmful physical agents affect the body, and methods of prevention. The course will cover required occupational health program and other related laws and regulations. Required for OESM majors. (3 hrs. lect. per week)

OESM 105 INTRODUCTION TO INDUSTRIAL HYGIENE (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 100/103/115
Recommended Prep: CHEM 100 and OESM 104
This course will acquaint students with the recognition, evaluation and control of hazards related to air contaminants, skin irritants, noise, temperature extremes, illumination and radiation. Required for OESM majors. (3 hrs. lect. per week)

OESM 106 INTRODUCTION TO ENVIRONMENTAL HEALTH (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 100/103/115
This course will help students develop understanding on the extent of environmental problems, how they affect the ecosystem and the workplace, how to investigate environmental problems, and pertinent environmental laws and regulations. Required for OESM majors. (3 hrs. lect. per week)

OESM 145 OCCUPATIONAL SAFETY AND HEALTH IN CONSTRUCTION (3)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 100/103/115
Recommended Prep: OESM 101
Comprehensive overview of techniques and procedures to insure effective control of hazards and accidents in construction and allied industries; emphasis on applicable OSHA and HIOSH standards and related codes. (3 hrs. lect. per week)

OESM 147 ELECTRICAL SAFETY (3)
Prerequisite or Co-requisite: OESM 102
Overview of the hazards, safe practices and methods in working with electrical energy, including the review and application of OSHA and HIOSH standards. (3 hrs. lect. per week)

OESM 150 INDUSTRIAL FIRE PROTECTION (3)
Prerequisite: OESM 101 and OESM 102
Basic fire protection-prevention course for industry. Includes planning, managing and training for fire emergencies. Cross-listed as FIRE 150. Credit may be received for FIRE 150 or for OESM 150, but not both. (3 hrs. lect. per week)

OESM 153 ACCIDENT INVESTIGATION TECHNIQUES (3)
Prerequisite: OESM 101 and OESM 102
Professional and scientific approach to accident investigation, including accident causation, discovering hazardous conditions and practices, and establishing relevant facts. (3 hrs. lect. per week)

OESM 160 LABOR AND MANAGEMENT: SAFETY PARTNERS (3)
Prerequisite: OESM 101
Interaction of labor-management relations/laws with the education, implementation, and enforcement of occupational safety and health. Prepares students for the world of labor relations, labor laws, contract provisions, grievances, complaints, liability, and other challenges. (3 hrs. lect. per week)

OESM 193V COOPERATIVE EDUCATION (1–4)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 100/103/115
Instructor approval required.
OESM majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to class-room and laboratory instruction in Occupational and Environmental Safety Management. Students may enroll 4 times for a maximum of 12 credits. It will not fulfill OESM electives. A minimum of one credit is

OESM

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - OCN

required for the Associate in Science degree. May be taken on a CR/N basis.
(5 hrs. work experience per week per credit)

OESM 200 Managing Workers Compensation (3)
Prerequisite: OESM 101
An introduction to the principles of Workers Compensation and management of this responsibility. Survey course covering the principles and techniques of Workers Compensation. (3 hrs. lect. per week)

OESM 205 Physical Hazards Control (3)
Prerequisite: OESM 101
Recommended Prep: Placement in ENG 100
Scope and application of systems safety: application of human engineering concepts and techniques with emphasis on human reliability and error; application of occupation safety and health requirements in purchasing and contracting, plant and job layout; principles and application of electrical and electronic safety; principles and application of manual and mechanical equipment, elevators, chemical safety; high pressure and compressed gas system; hand and portable power tools; shop production, tools and equipment; introduction to construction safety; and, special industry hazards unique to the Hawaiian industrial environment. (3 hrs. lect. per week)

OESM 208 Techniques of Industrial Hygiene (3)
Prerequisite: OESM 105
An overview of the basic principles of industrial hygiene monitoring instruments and the principles governing their selection and uses with practical applications under professional supervision. Required for OESM majors. (3 hrs. lect. per week)

OESM 210 Safety Program Management (3)
Prerequisite: OESM 101
Recommended Prep: OESM 102
This course will acquaint students with the fundamentals of management and their application to safety program development and organization. Emphasis will be given to the concepts of responsibility, accountability and authority as applied to occupational safety and health. Required for OESM majors. (3 hrs. lect. per week)

OESM 218 Emergency Response for Hazardous Materials (4)
Prerequisite: Placement in ENG 100; "C" or higher in MATH 25, OR Placement in MATH 100/103/115
Recommended Prep: OESM 106
This course provides students with hands-on instruction in safety and emergency response to chemical and physical exposures in industrial and field settings. Topics discussed include: hazard analysis, contingency planning, proper use and selection of PPE, site control and evaluation, field sampling and monitoring, and proper use of instruments. This course satisfies the requirements for generalized employee training under OSHA (1910.120). Cross-listed as FIRE 218. Credit may be received for FIRE 218 or for OESM 218, but not both. (4 hrs. lect. per week)

OCEANOGRAPHY (OCN)

OCN 101 Marine Option Program Seminar (1)
This course provides an orientation to the Marine Option Program (MOP) and reviews the requirements of the MOP certificate. The course explores opportunities for internships, projects and careers related to water environments. The course will present guidelines on proposal writing, project implementation, data collection and interpretation, and final report preparation and presentation. May be taken on a CR/N basis. (1 hr. lect. per week)

OCN 102 Introduction to the Environment and Sustainability (3) (DB)
(Formerly SCI 101)
This course will introduce students to the basic principles of environmental science and sustainability as they apply to analysis of environmental systems on a global scale. The integrated natures of ocean, terrestrial and atmospheric systems will be introduced by first introducing the Earth's major ecosystems and then discussing their coupled integration. The concepts of sustainability will be infused into the course with an emphasis on the importance of sustaining resources and mitigating pollution to ecosystems. This issue of sustainability will be approached from the perspective of the impact that 9 billion or more people will impose upon the planets resources and ecosystsems. Similarly, this course will include the concepts of sustainability with Native Hawaiian culture and indigenuos knowledge. May be taken on a CR/N basis.
(3 hrs. lect. per week)

OCN 180 Introduction to Aquaculture & Aquarium Management (3) (DP)
This course introduces students to two fields of fish culture: aquaculture which is the farming of aquatic organisms for increasing food production and aquarium management which will help aquarium hobbyist to keep ornamental fishes healthy for long periods of time. Topics include fish cultivation, biology and life-cycle of species cultivated, aquatic ecosystem, pond and aquarium construction and management and filtration techniques. (3 hrs. lect. per week)

OCN 201 Science of the Sea (3) (DP)
This course offers a descriptive and non-mathematical survey of geological, physical, chemical and biological oceanography, providing the student with a broad understanding of the sea floor and its features; chemical properties of sea water and its motions; life in the sea and its interaction with the environment. (3 hrs. lect. per week)

OCN 201L Science of the Sea Laboratory (1) (DY)
Prerequisite or Co-requisite: OCN 201
OCN 201L is designed as a lab course to provide experiential education in basic oceanography. Through lab experiments, computer-aided data collection and analysis, field trips and visual observations, students will learn about earth, ocean and atmospheric interactions, ecological concepts,

OCN

ocean resource utilization and management, environmental pollution and its impacts on world oceans. It will complement lectures in OCN 201 class. (3 hrs. lab. per week)

(See also ZOOLOGY for Marine Biology)

PHILOSOPHY (PHIL)

PHIL 100 INTRO PHILOSOPHY (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
Great philosophical issues, theories, and controversies. (3 hrs. lect. per week)

PHIL 101 MORALS AND SOCIETY (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
Philosophy 101 is a study of and deliberation on contemporary ethical issues through the perspective of classical and contemporary philosophical theories. (3 hrs. lect. per week)

PHIL 102 ASIAN TRADITIONS (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
Universal themes and problems, with an emphasis on the Asian perspective. (3 hrs. lect. per week)

PHIL 109 REASONING AND CRITICAL THINKING (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
The course studies practical reasoning, informal logical argument, and the use and misuse of language. The course emphasizes the development of critical thinking skills by showing students how to examine and assess arguments and persuasive appeals, and make reliable inferences from information when the evidence leaves us unsure of what is true. Understanding and appreciating the application of logical tools of critical thinking to evaluate personal and public policy decisions are the aims of this course. The historical and philosophical context of the value of logical and critical thinking will be integrated fully into the course. May be taken on a CR/N basis. (3 hrs. lect. per week)

PHIL 110 INTRO TO DEDUCTIVE LOGIC (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
Development of basic techniques of analysis and an understanding of the principles and concepts involved in clear thinking. Logical validity, deductive and inductive reasoning, fallacious arguments, symbolic logic, and scientific method as applied to criteria of reasonable evidence will be emphasized. (3 hrs. lect. per week)

PHIL 111 INTRO TO INDUCTIVE LOGIC (3)
Recommended Prep: Placement in ENG 100 + ENG 100S; qualification for MATH 100
An introduction to inductive reasoning focusing on the role of probability. The focus of the course is on methods to assess non-deductive, uncertain, and risky inferences from a background of decision and probability theory. Students will learn calculation and inference techniques for assessing conclusions from evidence when the evidence provides an uncertain situation for truth. Competing theories of probability and the role of probability in evidence and knowledge acquisition will be covered. The use of probability in the news media, the sciences, and academia will be critically assessed. (3 hrs. lect. per week)

PHIL 120 SCIENCE, TECH, AND VALUES (3) (DH)
Prerequisite: ENG 100 or Placement in ENG 201-296
An Introductory course addressing the relationship between science, technology, and human values with a focus on contemporary problems posed by developments in modern science. May be taken on a CR/N basis. (3 hrs. lect. per week)

PHIL 204 PHILOSOPHY AND FILM (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
This course analyzes a group of movies in light of the philosophical themes they embody. Movies implicitly and explicitly reflect specific philosophical themes, positions and ideas. Students will identify, articulate and critically evaluate these themes, positions and ideas in relation to traditional philosophical arguments and their own developing philosophy. (3 hrs. lect. per week)

PHIL 211 ANCIENT PHILOSOPHY (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
An introduction to the history of Western philosophy from the Presocratics to the Hellenistic Era based on translations of original texts. (3 hrs. lect. per week)

PHIL 213 MODERN PHILOSOPHY (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
An introduction to the history of Western philosophy from the 17th century based on texts of translations of "modern works." (3 hrs. lect. per week)

PHIL 255 COSMOLOGY (3) (DH)
Prerequisite: ENG 100
An interdisciplinary study of science and philosophy from a humanistic perspective. A scientific description of the Universe and its constituents and its implications for human life will be discussed. Also, the central philosophical problems of cosmology will be discussed: the problem of understanding the world—including ourselves, and our knowledge, as part of the world. (3 hrs. lect. per week)

PHYSICS (PHYS)

PHYS 100 SURVEY OF PHYSICS (3) (DP)
Co-requisite: PHYS 100L
An introductory course in physics for the non-science major, covering basic concepts and principles as related to everyday life, with emphasis on the interaction between society and physics—the most basic of all the sciences. (3 hrs. lect. per week)

PHYS 100L SURVEY OF PHYSICS LABORATORY (1) (DY)
Co-requisite: PHYS 100
Simple experiments in the basic concepts of physics, illustrating the role of physics in society to the nonscientist. (3 hrs. lab. per week)

PHIL

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - PHYL

PHYS 103 Physics for Electrical Technology (4)
Prerequisite: "C" or higher in MATH 103/150 OR Placement in MATH 135 or higher
EIMT majors only.
A one semester introductory lecture/lab physics course covering select topics in Newtonian mechanics, with an emphasis on fundamental concepts in electricity and magnetism, and DC and AC circuits.
(3 hrs. lect.; 3 hrs. lab. per week)

PHYS 104 Physics for Transportation Technology (4)
Prerequisite: "C" or higher MATH 103/150 or Placement in MATH 135 or higher
For AMT and DISL majors only
A one semester introductory lecture/lab physics course covering select topics in Newtonian mechanics, fluids, thermodynamics, electricity and magnetism, and DC circuits. (3 hrs. lect.; 3 hrs. lab. per week)

PHYS 105 Principles of Technology (4) (DP)+(DY)
Prerequisite: MATH 103 or MATH 135 or higher
Presents fundamental theories and problem solving methods in physics as they relate to technology and its applications. Introduces experimental methods in physics and applications of modern technology experimental science. (3 hrs. lect.; 3 hrs. lab. per week)

PHYS 105P Physics for Applied Trades (3)
Prerequisite: "C" or higher in MATH 103/150P or Placement in MATH 135 or higher
For APTR majors only
Presents fundamental theories and problem solving methods in physics as they relate to technology and its applications. Introduces experimental methods in physics and applications of modern technology experimental science. (3 hrs. lect. per week)

PHYS 122 Introduction to Physical Sciences (4) (DP)+(DY)
Science and modern society. A survey of physics, astronomy, chemistry, and geology, with greater emphasis on the first two disciplines. Cross-listed as SCI 122. (3 hrs. lect.; 3 hrs. lab. per week)

PHYS 151 College Physics I (3) (DP)
Prerequisite: "C"or higher in MATH 140 or placement in MATH 241 or higher
Co-requisite: PHYS 151L
PHYS 151 is the first half of a two semester, algebra-based, introductory physics sequence. The topics covered include Newtonian mechanics, work and energy, fluid mechanics, thermodynamics, and wave motion. (3 hrs. lect. per week)

PHYS 151L College Physics I Laboratory (1) (DY)
Co-requisite: PHYS 151
PHYS 151L is the laboratory course that accompanies PHYS 151 lecture. The scheduled experiments are designed to help reinforce selected topics introduced in the lecture course. These topics include Newtonian mechanics, work and energy, fluid mechanics, thermodynamics, and wave motion.
(3 hrs. lab. per week)

PHYS 152 College Physics II (3) (DP)
Prerequisite: PHYS 151
Co-requisite: PHYS 152L
PHYS 152 is the second half of a two-semester, algebra-based, introductory physics sequence. The topics covered include electricity, magnetism, circuits, optics, and select topics in modern physics.
(3 hrs. lect. per week)

PHYS 152L College Physics II Laboratory (1) (DY)
Co-requisite: PHYS 152
PHYS 152L is the laboratory course that accompanies PHYS 152 lecture. The scheduled experiments are designed to help reinforce selected topics introduced in the lecture. These topics include electricity, magnetism, circuits, optics, and selected topics in modem physics. (3 hrs. lab. per week)

PHYS 170 General Physics I (4) (DP)
Prerequisite or Co-requisite: MATH 242 OR Placement in MATH 243
Calculus-based mechanics of particles and rigid bodies; kinematics, force, energy, momentum, rotation, gravitation, fluids, oscillations and waves. Intended for physical science and engineering majors.
(4 hrs. lect. per week)

PHYS 170L General Physics I Lab (1) (DY)
Prerequisite or Co-requisite: PHYS 170
A lab course designed to complement PHYS 170.
(3 hrs. lab. per week)

PHYS 272 General Physics II (3) (DP)
Prerequisite: PHYS 170 and PHYS 170L
Co-requisite: PHYS 272L
Electricity and magnetism; geometrical optics.
(3 hrs. lect. per week)

PHYS 272L General Physics II Lab (1) (DY)
Prerequisite or Co-requisite: PHYS 272
Experimental analysis in electricity and magnetism and optics. (3 hrs. lab. per week)

PHYS 274 General Physics III (3) (DP)
Prerequisite: PHYS 272 and 272L OR PHYS 152 and 152L
Prerequisite or Co-requisite: MATH 243 OR Placement in MATH 244
Relativity, introduction to quantum mechanics, atomic and nuclear physics, physical optics.
(3 hrs. lect. per week)

PHYSIOLOGY (PHYL)

PHYL 141 Human Anatomy and Physiology (3) (DB)
Prerequisite: High School Chemistry
Co-requisite: Introductory Chemistry and PHYL 141L
Recommended Prep: High School Biology
Anatomy, histology, physiology, biochemistry, genetics of human organ systems presented in integrated anatomy-physiology format.
(3 hrs. lect. per week)

PHYL

PHYL 141L Human Anatomy and Physiology Lab (1) (DY)
Co-requisite: Introductory Chemistry and PHYL 141
Recommended Prep: Introductory Biology
Anatomy, histology, physiology, biochemistry, genetics of human organ systems presented in integrated anatomy-physiology format.
(3 hrs. lab. per week)

PHYL 142 Human Anatomy and Physiology II (3) (DB)
Prerequisite: PHYL 141 and PHYL 141L
Co-requisite: PHYL 142L
PHYL 142 Human Anatomy and Physiology II is a continuation of PHYL 141. This course covers the Anatomy, Histology, Physiology, Biochemistry, and Genetics of Human organ systems presented in integrated anatomy-physiology format.
(3 hrs. lect. per week)

PHYL 142L Human Anatomy and Physiology II Lab (1) (DY)
Prerequisite: PHYL 141 and PHYL 141L
Co-requisite: PHYL 142
PHYL 142L Human Anatomy and Physiology II Lab is a continuation of PHYL 141. This course covers the Anatomy, Histology, Physiology, Biochemistry, and Genetics of Human organ systems presented in integrated anatomy-physiology format.
(3 hrs. lab. per week)

POLITICAL SCIENCE (POLS)

POLS 110 Introduction to Political Science (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
An introduction to political problems, systems, ideologies and processes. (3 hrs. lect. per week)

POLS 120 Introduction to World Politics (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Contemporary world politics, including theories and analysis; historical background; nations, states and nonstate actors; economic development and globalization in the North and South; war; international law; human rights; and, the environment.
(3 hrs. lect. per week)

POLS 130 Introduction to American Politics (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
An introduction to American politics, including the Constitution, federalism, civil rights, the media, political participation, parties, elections, special interests, Congress, the Presidency, the bureaucracy, the courts, civil rights, the economy and foreign policy. May be taken on a CR/N basis. (3 hrs. lect. per week)

POLS 180 Introduction to Hawai'i Politics (3)
Prerequisite: Placement in ENG 100 + ENG 100S
An examination of contemporary Hawai'i political institutions, processes, issues, and personalities at the State and County levels. Hawai'i's place in the national and international political arenas, and the future of politics in Hawai'i. Emphasis is placed on citizen roles and responsibilities in local politics.
(3 hrs. lect. per week)

POLS 250 Asian Politics Since 1900 (3)
Prerequisite: Placement in ENG 100 + ENG 100S
This course will focus on ten Asian countries with the largest economics and populations, in order to familiarize students with the development of their politics, economics, and society. Cross-listed as ASAN 250. (3 hrs. lect. per week)

PSYCHOLOGY (PSY)

PSY 100 Survey of Psychology (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Survey of the field of psychology including methodology, individual differences, neuroscience, sensation and perception, learning, memory, thinking and intelligence, development, personality, social psychology, and abnormal psychology.
(3 hrs. lect. per week)

PSY 180 Psychology of Work (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Introduction to psychological aspects of work-related phenomena with emphasis on importance of human relations in work settings. Focuses on application of industrial organizational theory to understanding problems in worker morale, impression management, career assessment, organizational versus individual goals. (3 hrs. lect. per week)

PSY 212 Survey of Research Methods (3) (DS)
Prerequisite: "C'' or higher in PSY 100; "C" or higher in ENG 100
This is a lecture-based course surveying experimental and non-experimental methods and the issues involved in psychological science and research. Topics include the scientific method, conducting literature reviews, and the American Psychological Association writing style. (3 hrs. lect. per week)

PSY 220 Introduction to Behavioral Psychology (3) (DS)
Prerequisite: "C" or higher in PSY 100
This course provides an introduction to behavioral psychology, covering principles and theories of learning and behavior. Topics covered include classical conditioning, operant conditioning, behavior modification, and application of findings from laboratory research to various areas of psychology and other social sciences. (3 hrs. lect. per week)

PSY 225 Statistical Techniques (3) (DS)
Prerequisite: "C" or higher in PSY 100 and MATH 100 or higher
Frequency distributions; graphic methods; central tendency; variability; correlation; reliability; tests of significance. (3 hrs. lect. per week)

PSY 230 Introduction to Psychobiology (3) (DB)
Prerequisite: "C" or higher in PSY 100
Survey of the study of behavior from a natural sciences viewpoint. Evolution, ethological analysis of behavior, behavior genetics, neural mechanisms, drugs and behavior, biological development.
(3 hrs. lect. per week)

POLS

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - RAC

PSY 240 Developmental Psychology (3) (DS)
Prerequisite: "C" or higher in PSY 100
Emotional, mental, physical, social development from infancy to adulthood; interests and abilities at different age levels. (3 hrs. lect. per week)

PSY 250 Social Psychology (3) (DS)
Prerequisite: "C" or higher in PSY 100
Cognitive, behavioral and emotional effects of people: interpersonal relations, attribution, attitudes, group behavior, stereotypes, social roles, aggression, helping, self-concept; and applications. (3 hrs. lect. per week)

PSY 260 Psychology of Personality (3) (DS)
Prerequisite: "C" or higher in PSY 100
Scientific study of personality, its meaning, assessment, development, and relation to cultural-social determinants. (3 hrs. lect. per week)

PSY 270 Introduction to Clinical Psychology (3) (DS)
Prerequisite: "C" or higher in PSY 100
History, theories, types of psychological problems, methods of assessment, forms of intervention, current developments. (3 hrs. lect. per week)

REFRIGERATION AND AIR CONDITIONING TECHNOLOGY (RAC)

RAC 21 Basic Refrigeration (12)
Prerequisite or Co-requisite: MATH 50, OR Placement in MATH 150 or higher.
RAC majors only.
Principles of physics applicable to mechanical and absorption cycles. Heat energy, heat transfer, properties of matter, change of state, laws of gases, temperature-pressure relationship, thermodynamic principles in the mechanical cycle, compressors, condensers, receivers, refrigerant controls, evaporators and accessories. Hand tools, fasteners, special refrigeration tools, tube bending, flaring, soldering, compressor overhaul, condensing unit overhaul, refrigeration system construction, operation, test and repair. Safety and Physics content applicable to the RAC area. (24 hrs. lect./lab. per week)

RAC 32 Commercial Refrigeration (12)
Prerequisite: RAC 21
RAC majors only.
Commercial systems: application, servicing, heat loads and piping. Absorption principles and special refrigeration devices and application. Advanced maintenance, trouble-shooting and repair of domestic and commercial units. Introduction to the concepts, theories and application of electricity as they apply to refrigeration and air conditioning. (24 hrs. lect./lab. per week)

RAC 40 Air Conditioning I (12)
Prerequisite: RAC 32
RAC majors only.
Second portion of electrical fundamentals. Topics include motors, control devices, control systems and trouble-shooting. Chemistry of air, air and human comfort, psychrometric properties of air, the psychrometric chart, problems for the conditioned air supply, conduction, solar transmission, occupancy and equipment heat gains and losses, coil load and total air supply. (24 hrs. lect./lab. per week)

RAC 50 Air Conditioning II (12)
Prerequisite: RAC 40
RAC majors only. Duct sizing, duct devices, system design, system balance, control systems, double-duct systems, hydraulic systems, centrifugal systems, and heat pumps. Advanced maintenance, trouble-shooting, system balance, control setup, water testing and engineering studies on central station chill water air conditioning system and operation of a maintenance shop. Safety and Physics content applicable to the RAC area. (24 hrs. lect./lab. per week)

RAC 93V Cooperative Education (1–4)
Prerequisite or Co-requisite: MATH 50, OR Placement in MATH 150 or higher.
Instructor approval required.
RAC majors only.
This course will provide students with the opportunity to acquire on-the-job experience in conjunction with classroom and laboratory instruction in Refrigeration and Air Conditioning. Students may enroll 4 times for a maximum of 12 credits. (5 hrs. work experience per week per credit)

RELIGION (REL)

REL 150 Introduction to the World's Major Religions (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
Introduction to the world's living religions: Hinduism, Buddhism, Shintoism, Confucianism, Taoism, Judaism, Christianity, Islam. (3 hrs. lect. per week)

REL 151 Religion and the Meaning of Existence (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
Introduction to basic ideas and issues of contemporary religious thought related to the question: "What is the meaning of existence?" May be taken on a CR/N basis. (3 hrs. lect. per week)

REL 201 Understanding the New Testament (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
Origin and development of early Christian message as set forth in New Testament, with special attention to Jesus and Paul. (3 hrs. lect. per week)

REL 203 Understanding Chinese Religions (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
Taoist, Confucian, Buddhist, Maoist and folk beliefs and practices in social and historical context. (3 hrs. lect. per week)

REL 204 Understanding Japanese Religions (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
A survey of major aspects of Japanese religion including Shinto, Buddhism and modern new religions.

RAC

The various traditions will be viewed within their historical and social contexts. Emphasis will be placed on issues of contemporary significance.
(3 hrs. lect. per week)

REL 207 Understanding Buddhism (3)
Recommended Prep: Placement in ENG 100 + ENG 100S
Survey of major forms and practices.
(3 hrs. lect. per week)

REL 210 Understanding Christianity (3) (DH)
Recommended Prep: Placement in ENG 100 + ENG 100S
History of Ideas concentrating on those events, persons, and issues which have had the greatest impact on the evolution of Christianity. May be graded on a CR/N basis. (3 hrs. lect. per week)

SCIENCE (SCI)

SCI 122 Introduction to Physical Sciences (4) (DP)+(DY)
Science and modern society. A survey of physics, astronomy, chemistry, and geology, with greater emphasis on the first two disciplines. Cross-listed as PHYS 122. (3 hrs. lect.; 3 hrs. lab. per week)

SCI 193V Cooperative Education (1–4)
Instructor approval required.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Science. Students may enroll 4 times for a maximum of 12 credits.
(5 hrs. work experience per week per credit)

SCI 295V Science, Technology, Engineering, and Mathematics (STEM) Research Experience (1–3) (DY)
Instructor approval required.
SCI 295 offers a research experience in science, technology, engineering and/or mathematics, emphasizing the application of the scientific method to a specific project. Students may enroll 3 times for a maximum of 6 credits.
(3-9 hrs. work experience per week per credit)

SHEET METAL AND PLASTICS TECHNOLOGY (SMP)

SMP 20 Hand Tool and Machine Processes (4)
Co-requisite: SMP 21 & 22 & 23
SMP majors only.
Develop skills and safety practices in the use of hand tools and machines. The techniques of soldering, drilling, punching, riveting, seaming, and other tools and machine operations. The characteristics and uses of sheet metal, supplies, fastening devices and plastics.
(2 hrs. lect.; 6 hrs. lab. per week)

SMP 21 Shop Problems (3)
Co-requisite: SMP 20 & 22 & 23
SMP majors only.
To provide students with the essential principles and concepts related to sheet metal work to enable them to understand and solve everyday problems

encountered in the shop. Students will develop the necessary skills and knowledge through the study and practice of actual sheet metal shop problems using terminologies and standards in current use throughout the country. (3 hrs. lect. per week)

SMP 22 Fabrication Processes (Architectural) (4)
Co-requisite: SMP 20 & 21 & 23
SMP majors only.
Emphasis on variously shaped gutters, gutter miters, hangers, flashing of all types, downspout, expansion joints and other similar work. Standard installation practices. (2 hrs. lect.; 6 hrs. lab. per week)

SMP 23 Introduction to Surface Development (2)
Co-requisite: SMP 20 & 21 & 22
SMP majors only.
Construction of geometrical figures. Concept of multi-view drawings and the planes of projection. Principles of parallel and radial line development and triangulation. Simple patterns.
(1 hr. lect., 3 hrs. lab. per week)

SMP 24 Advanced Fabrication Processes (Architectural) (4)
Prerequisite: SMP 23
Co-requisite: SMP 25 and SMP 26
SMP majors only.
Skills in the fabrication of mitered transitional roof jacks, cornices, skylights, louvers, roof ventilators and complex roofing seams. Different methods of installation. (2 hrs. lect.; 6 hrs. lab. per week)

SMP 25 Air Conditioning Fabrication (4)
Co-requisite: SMP 24 and SMP 26
SMP majors only.
Training in fabricating air conditioning and ventilating duct work. Seams, locks, hangers, fastening devices, vaned turned elbows and other basic fittings that are commonly used. Standard installation practices. (2 hrs. lect.; 6 hrs. lab. per week)

SMP 26 Pattern Development I (2)
Co-requisite: SMP 24 and SMP 25
SMP majors only.
Patterns for various types of transitions. Square to round, oval to round and other fittings in this area. Patterns for the basic fittings that are commonly used. Standard installation practices.
(1 hr. lect., 3 hrs. lab. per week)

SMP 41 Advanced Air Conditioning Fabrication (4)
Prerequisite: SMP 26
SMP majors only.
Fabrication of complex fittings in both high and low velocity air conditioning systems. Various types of reinforcing and transverse seams, sealants and insulation. (2 hrs. lect.; 6 hrs. lab. per week)

SMP 43 Pattern Development II (2)
Prerequisite: SMP 26
SMP majors only.
In this course patterns are developed for low, medium and high pressure air conditioning systems. Patterns

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - MARR

for fittings used in blow pipe work are included in this course. (1 hr. lect., 3 hrs. lab. per week)

SMP 44 Blow Pipe Fabrication (4)
Prerequisite: SMP 43
SMP majors only.
The emphasis is on round work in such areas as blow pipe, air conditioning duct, and ventilation systems. Included in this course is the fabrication of canopies and hoods for machines.
(2 hrs. lect.; 6 hrs. lab. per week)

SMP 45 Advanced Fabrication (General) (4)
Prerequisite: SMP 41
Co-requisite: SMP 44 & 46 & 49
SMP majors only.
The emphasis of this course is on fabricating complex work in all areas of sheet metal. Field trips to shops that specialize in kitchen equipment; spiral pipe and other specialty shops are part of this course.
(2 hrs. lect.; 6 hrs. lab. per week)

SMP 46 Pattern Development III (2)
Prerequisite: SMP 43
SMP majors only.
Pattern development, emphasizing complex, intersecting problems and short-cut methods that are practical in industry. (1 hr. lect.; 3 hrs. lab. per week)

SMP 49 Advanced Shop Problems (2)
Prerequisite: SMP 21
SMP majors only.
To provide the second-year sheet metal majors with the specialized technical knowledge and problem solving techniques to be able to understand and find effective solutions to advanced shop problems expected to be encountered in the sheet metal industry. (2 hrs. lect. per week)

SMP 93V Cooperative Education (1–9)
Instructor approval required.
SMP majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Sheet Metal and Plastics. Students may enroll 4 times for a maximum of 12 credits. (5 hrs. work experience per week per credit)

SMALL VESSEL FABRICATION AND REPAIR (MARR)

MARR 93V Cooperative Education (1-4)
Prerequisite: Placement in ENG 100; MATH 50 OR Placement in MATH 150 or higher; Respirator use clearance required.
Instructor approval required.
MARR majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Boat Maintenance and Repair. Students may enroll 4 times for a maximum of 12 credits. (75 hrs. work experience per credit)

MARR 120 Introduction to Marine Technology (1)
(Formerly MARR 20)
Prerequisite: Placement in ENG 100; MATH 50, OR Placement in MATH 150 or higher
Co-requisite: MARR 122, 124, 129, 130, 142
MARR majors only.
Introduces the student to career opportunities in the marine service and manufacturing industries. It also serves as an orientation to the Marine Education and Training Center (METC) and its policies. Students will be trained to fit personal protective equipment and to understand Material Safety Data Sheets (MSDS). Marine nomenclature is also introduced with an emphasis on the terms used when vessels are hauled and secured on land. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices.
(30 hrs. lect./lab. per term)

MARR 122 Portable Hand Tools and Machinery (2)
(Formerly MARR 22)
Prerequisite or Co-requisite: MARR 120
Co-requisite: MARR 124, 129, 130, 142
MARR majors only.
Provides an introduction to hand tools and machinery used in the marine industry. The proper use of machinery such as a hydraulic prop and bearing remover, bead blaster and sandblaster will be demonstrated and practiced. The following woodworking tools will be introduced: table saw, bandsaw, power hand planer, and drill press. Hands-on training is emphasized. The proper utilization, safety procedures, and care of tools are stressed. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. This course includes forklift training and certification.
(60 hrs. lect./lab. per term)

MARR 124 Introduction to Composite Technology (3)
(Formerly MARR 24)
Prerequisite or Co-requisite: MARR 122
Co-requisite: MARR 120, 129, 130, 142
MARR majors only.
This course covers the fundamentals of working with resins, fabrics, and adhesives. Projects include the fabrication of solid and cored test panels. The methods used to insure quality control in the composites industry are also stressed. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. Students successfully completing this course will be able to sit for the ABYC "FRP (Fiberglass Reinforced Plastics) Composites for Technicians" certification examination.
(90 hrs. lect./lab. per term)

MARR 129 Blueprint Reading for Marine Technicians (2)
(Formerly MARR 29)
Prerequisite: Placement in ENG 100; MATH 50, OR Placement in MATH 150 or higher
Co-requisite: MARR 120, 122, 124, 130, 142

MARR

MARR majors only.
Prepares the student to read and understand working drawings typical to the marine and cabinetry industries. Basic drafting techniques will be practiced but the emphasis is on interpretation of blueprints and understanding spatial relationships in orthographic projections. Blueprints of projects that will be built in Woodworking and Yacht Joinery will be studied. Sketching both orthographic and isometric views will be practiced. The student will attain a working knowledge of SI Metric and Imperial measurement systems. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (60 hrs. lect./lab. per week)

MARR 130 Woodworking (3)
(Formerly MARR 30)
Prerequisite or Co-requisite: MARR 122 and 129
Co-requisite: MARR 120, 124, 142
MARR majors only.
Covers the safe and proper use of power and hand woodworking tools. Procedures for sharpening, maintenance, and adjustment of tools are stressed. Rough wood stock is milled and the fabrication of proper wood joints is stressed. Instruction is also provided in the survey and repair of the wooden components of a vessel. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (90 hrs. lect./lab. per term)

MARR 133 Marine Finish Systems (4)
(Formerly MARR 33)
Prerequisite: Placement in ENG 100; MATH 50, OR Placement in MATH 150 or higher
Co-requisite: MARR 154, 152, 153
MARR majors only.
This course covers the fundamental techniques involved in the application of modern marine finishes. Projects stress proper and efficient surface preparation. Hands-on experience in the use of the siphon gun, pressure pot system, and HVLP systems is also included. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices.
(120 hrs. lect./lab. per term)

MARR 142 Introduction to Marine Propulsion (2)
(Formerly MARR 42)
Prerequisite: Placement in ENG 100; MATH 50, OR Placement in MATH 150 or higher
Co-requisite: MARR 120, 122, 124, 129, 130
MARR majors only.
Provides an introduction to the care, maintenance, and service of gasoline fueled outboard and sterndrive engines. Basic diesel service will be covered. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices.
(60 hrs. lect./lab. per term)

MARR 152 Introduction to Marine Electrical Systems (3)
(Formerly MARR 52)
Co-requisite: MARR 154, 133, 153
MARR majors only.
Provides an introduction to marine electrical fundamentals, circuit designs and types, tools of the trade to include basic DVOM usage, safety procedures and concerns. Other concerns unique to the marine field such as wire and cable termination methods, support and chafe protection will be covered in addition to the installation, maintenance, testing, and charging needs of marine batteries. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards to ensure compliance with United States Coast Guard (USCG) Regulations as well as industry best practices. Students successfully completing this course will be able to sit for the ABYC "Electrical Fundamentals and Basic Installation" certification examination. (90 hrs. lect./lab. per term)

MARR 153 Introduction to Marine Plumbing Systems (3)
(Formerly MARR 53)
Co-requisite: MARR 154, 152, 133
MARR majors only.
Will include lecture and hands-on instruction in marine plumbing. The student will develop the necessary skills to perform the proper installation of marine sanitation and fresh water systems. This will include proper installation of heads, seacocks, thru-hulls, anti-siphon devices, accumulator tanks, holding tanks, check valves and a variety of electric and manual pumps. Nomenclature of plumbing components is stressed. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. Students who successfully complete this course will be able to sit for the ABYC "Marine Sanitation Devices" and "Piping and Plumbing/Potable Water Systems" certification examinations.
(90 hrs. lect./lab. per term)

MARR 154 Sailboat Rigging (2)
(Formerly MARR 54)
Prerequisite: Placement in ENG 100; MATH 50, OR Placement in MATH 150 or higher
Co-requisite: MARR 152, 133, 153
MARR majors only.
Provides an introduction to the maintenance of a sailboat's rigging system. Emphasis is placed on surveying a sailboat's rigging for potential failures caused by improper installation, corrosion or structural fatigue. Applying fittings to wire via cold-rolled swage, mechanical (Norseman type) fittings, and the nicro-press swage will be practiced. Installation of roller furling systems will be covered. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices.
(60 hrs. lect./lab. per term)

MARR

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - MARR

MARR 221 Boat Hauling Procedures (4)
(Formerly MARR 21)
Prerequisite: MARR 120
Co-requisite: MARR 231, 225
MARR majors only.
Trains students in boatyard skills. It covers the procedures followed in removing a mast from a sailboat, hauling and launching a vessel with a straddle-lift, pressure-washing a boat hull, waste water containment and treatment, moving a vessel with a marine hydraulic trailer and forklift, and blocking a boat. Personal safety is stressed throughout the course. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (120 hrs. lect./lab. per term)

MARR 225 Composite Repair Techniques (3)
(Formerly MARR 25)
Prerequisite: MARR 124
Co-requisite: MARR 221, 231
MARR majors only.
This course covers the procedures employed in planning and executing repairs to composite vessels. Various common procedures used in the industry for composite repairs are covered in lecture, and projects dealing with these procedures are provided in the lab. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (90 hrs. lect./lab. per term)

MARR 231 Yacht Joinery (3)
(Formerly MARR 31)
Prerequisite: MARR 130
Co-requisite: MARR 221, 225
MARR majors only.
Advanced joinery projects are covered in this course. Projects include lamination techniques, biscuit joinery, and rabbeted moldings. In addition, lightweight composite furniture will be discussed and demonstrated. Hands-on instruction in the use of the radial arm and table saws, mortising machine, shaper, and router is also provided. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (90 hrs. lect./lab. per term)

MARR 240 Marine Blueprint Reading and Lofting (3)
(Formerly MARR 40)
Prerequisite: MARR 129 or instructor approval
Co-requisite: MARR 241, 243, 250, 251
MARR majors only.
Covers the reading and interpretation of boat plans. The primary focus is on the Lines Plan. The Lines Plan describes the shape of the hull. An understanding of these lines is fundamental to any boat building, renovation, or major repair project. Projects in the drafting lab and on loft floor provide practical experience in relating the blueprints to the construction or renovation of a boat. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council

(ABYC) Standards and industry best practices. (90 hrs. lect./lab. per term)

MARR 241 Mold Station Construction (2)
(Formerly MARR 41)
Prerequisite: MARR 231 or instructor approval
Prerequisite or Co-requisite: MARR 240 or instructor approval
Co-requisite: MARR 243, 250, 251
MARR majors only
Provides detailed instruction in creating a mold station and a stem form from the lofting completed in MARR 240. Station and stem bevels and skin deductions are emphasized. The end product of this course will be the project boat created from the completed mold stations and stem forms. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (60 hrs. lect./lab. per term)

MARR 243 Composite Tooling (4)
(Formerly MARR 43)
Prerequisite or Co-requisite: MARR 241
Co-requisite: MARR 240, 250, 251
MARR majors only
This course uses the mold stations and stem form This course uses the mold stations and stem form built in MARR 241 to erect a hull skeleton on a building form. Transoms are fabricated. A skin or planking of foam or wood is applied. Spiling techniques are emphasized. Fairing of the hull is practiced. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (120 hrs. lect./lab. per term)

MARR 250 Mold Fabrication (3)
(Formerly MARR 50)
Prerequisite or Co-requisite: MARR 243
Co-requisite: MARR 240, 241, 251
MARR majors only.
This course uses the hull form constructed in earlier courses as a pattern to fabricate a production mold. Tooling gelcoat application is also covered. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (90 hrs. lect./lab. per term)

MARR 251 Composite Production (3)
(Formerly MARR 51)
Prerequisite: Placement in ENG 100; MATH 50, OR Placement in MATH 150 or higher
Prerequisite or Co-requisite: MARR 250
Co-requisite: MARR 240, 241, 243
MARR majors only
This course uses a production mold to produce a boat hull. Chopper gun techniques, adjustment, and maintenance are covered and PVC foam cores are installed with vacuum bag techniques. Classroom instruction and tasks performed will be in accordance with applicable American Boat and Yacht Council (ABYC) Standards and industry best practices. (90 hrs. lect./lab. per term)

MARR

SOCIAL SCIENCES (SSCI)

SSCI 120 Hawai'i's People (3)
A survey of ethnic subcultures in America, with emphasis on Hawai'i's ethnic mosaic. The critical framework covers dominant-subordinate relationships in both a historical and modern setting. The processes of prejudice, discrimination, identity, cyclical patterns of ethnic relations, acculturation, assimilation, contention, submission, revitalization and the psychology of racism will be applied to the major ethnic minorities of Hawai'i. (3 hrs. lect. per week)

SSCI 125 Pacific Island Peoples (3) (DH)
Recommended Prep: ENG 100 + ENG 100S or ESL 23, OR Placement in ENG 100
This course is a survey of Pacific Island societies, using social science perspectives to analyze the effects of environmental constraints, cultural tradition, historical experience, political and economic development, and social change upon the peoples of Melanesia, Micronesia, and Polynesia. It will give students an understanding of the major problems and alternative futures which Pacific island communities now face. Cross-listed as ANTH 135. (3 hrs. lect. per week)

SSCI 193V Cooperative Education (1–4)
Instructor approval required.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in the Social Sciences. Students may enroll 4 times for a maximum of 12 credits. (5 hrs. work experience per week per credit)

SSCI 250 Gender and Society (3)
An introduction to social science perspectives and research findings on the effect of sex/gender roles on individuals, their communities and larger social institutions such as family, education, employment and government. (3 hrs. lect. per week)

SOCIAL SERVICES (SOSE)

SOSE 22 Social Work with Groups (3)
Relates social work group principles and practice for practical application for paraprofessionals in human services programs. Previous and/or current group work experience is helpful. (3 hrs. lect. per week)

SOCIAL WORK (SW)

SW 200 The Field of Social Work (3)
Recommended Prep: ENG 100 + ENG 100S or ESL 23, OR Placement in ENG 100
Orientation to the profession of social work; the nature and scope of social work, historical development, values and philosophy, methods of practice, and selected fields of practice. (3 hrs. lect. per week)

SOCIOLOGY (SOC)

SOC 100 Survey of General Sociology (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Basic social relationships, norms, social structures and processes affecting social change.
(3 hrs. lect. per week)

SOC 212 Introduction to the Sociology of Japan (3) (DS) (Formerly SOC 257)
Prerequisite: Placement in ENG 100 + ENG 100S
This course offers an introduction to the persistence and change in economy, policy, religion, education, family, and other institutions of modern Japan. Both structure and culture of Japanese society will be examined. May be taken on a CR/N basis.
(3 hrs. lect. per week)

SOC 214 Introduction to Race and Ethnic Relations (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
This course will acquaint students with the problems and dynamics of race and ethnic relations in comparative local, national, and world perspectives. Theory and research related to the social, economic, and political problems of ethnic and racial groups, and their existence and accommodation within societies will be reviewed and analyzed. (3 hrs. lect. per week)

SOC 218 Introduction to Social Problems (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Introduction to Social Problems will acquaint students with the variety of social problems facing our society today. Local social problems will be emphasized. Sociological research and theories related to crime and delinquency, drug and alcohol abuse, sexual deviance, ethnic relations, economic disruption and unemployment, social consequences of sexism, and family disorganization will be discussed and students will be required to conduct a small research project in a selected area. (3 hrs. lect. per week)

SOC 231 Introduction to Juvenile Delinquency (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Forms of juvenile deviance; conditions and processes that result in the alienation and deviance of youth. Juvenile corrections as an institutionalized societal response. May be taken on a CR/N basis.
(3 hrs. lect. per week)

SOC 251 Introduction to Sociology of the Family (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Family patterns, mate selection, parent-child interaction, socialization of roles, legal sanctions, and current trends in family organization and functions. (3 hrs. lect. per week)

SSCI

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - SPAN

SPANISH (SPAN) *

SPAN 101 Elementary Spanish I (4)
Prerequisite: Placement in ENG 100
This course is the first half of Elementary Spanish that teaches basic listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

SPAN 102 Elementary Spanish II (4)
Prerequisite: SPAN 101
This course is the second half of Elementary Spanish that teaches basic listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

SPAN 201 Intermediate Spanish I (4)
Prerequisite: SPAN 102
This course is the first half of Intermediate Spanish that further develops listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

SPAN 202 Intermediate Spanish II (4)
Prerequisite: SPAN 201
This course is the second half of Intermediate Spanish that further develops listening, speaking, reading, and writing skills. Supplemental online or computer-based instruction is required. (4 hrs. lect. per week)

* Native speakers may not take language courses for credit.

SPEECH (SP)

SP 151 Personal and Public Speech (3) (DA)
Recommended Prep: Placement in ENG 100 + ENG 100S
This course introduces students to the basic principles of human communication. Perceptual processes, cultural awareness, verbal and nonverbal communication, and effective listening techniques are discussed. Students also receive practice in improving their competency in the areas of informative and persuasive speaking, and in interpersonal and small group communication. (3 hrs. lect. per week)

SP 170 Introduction to Nonverbal Communication (3) (DS)
Recommended Prep: Placement in ENG 100 + ENG 100S
This introductory course is designed to survey the basic principles of nonverbal communication. Students will gain knowledge about the communication value associated with the use of body movements, facial expressions, eye behavior, physical appearance, voice, touch, space, smell, time, and environmental features. Emphasis will be placed on developing a keener sensitivity to nonverbal behavior through lectures, discussions, exercises, and practical experimentation. (3 hrs. lect. per week)

SP 181 Introduction to Interpersonal Communication (3) (DS)
Recommended Prep: Placement in ENG 100 + ENG 100S
This course introduces students to the basic principles of interpersonal communication. Students will gain an understanding of the various stages of a relationship, how to deal with conflict in a relationship, and various assertive communication strategies. Students will research and write about interpersonal communication in a clear, logical, and inventive manner. (3 hrs. lect. per week)

SP 251 Principles of Effective Public Speaking (3) (DA)
Recommended Prep: SP 151 or Placement in ENG 100
This course provides students with the opportunity to improve their public speaking skills through extensive practice in speech preparation and delivery techniques. Emphasis is given to audience analysis, gathering supporting materials, and organization, in addition to other speechmaking techniques for a variety of speaking occasions. (3 hrs. lect. per week)

SP 253 Argumentation and Debate (3)
Recommended Prep: Placement in ENG 100 + ENG 100S, SP 151
Argument as a technique in the investigation of social problems; formal and informal practice in the use of evidence, proof, refutation, and argument. May be taken on a CR/N basis. (3 hrs. lect. per week)

SP 290 Interviewing (3)
Recommended Prep: SP 151
Speech 290 provides an introduction to the principles of interviewing. In addition to discussing theoretical material, students will have opportunities to serve as both interviewers and interviewees in a variety of in-class interviewing activities. Students will participate in survey interviews, employment interviews, counseling interviews, and persuasive interviews. May be taken on a CR/N basis. (3 hrs. lect. per week)

THEATRE (THEA)

THEA 101 Introduction to Drama and Theatre (3) (DA)
Prerequisite: Placement in ENG 100 + ENG 100S
Representative plays studied as illustrative of changing forms in the theatre and dramatic literature. (3 hrs. lect. per week)

THEA 201 Introduction to the Art of the Film (3) (DA)
Recommended Prep: Placement in ENG 100 + ENG 100S
Introduction to aesthetic aspects of silent and sound movies. Technical subjects analyzed only as they relate to theme and style. (3 hrs. lect. per week)

WELDING TECHNOLOGY (WELD)

WELD 16 Welding for AMT Majors (1)
AMT majors only.
Introduction to oxyacetylene welding and cutting, MIG welding, and Plasma arc cutting. Safe work practices, proper care and use of equipment, and welding terminology will be covered. (2 hrs. lect. per week)

SPAN

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

WELD 19 Welding for Trades and Industry (3)
(For Non-majors)
Comment: Can be substituted for WELD 17B and/or WELD 17C
Introduction to the various methods of welding, including electric, oxyacetylene, and oxyacetylene cutting. Cross-listed as IEDW 102. (6 hrs. lab. per week)

WELD 21 Hand and Shop Tools (2)
Co-requisite: WELD 60, 62, 64, 66, 68
WELD majors only.
Instruction in the care and use of hand and power tools. Safe operation of metal shears, abrasive cutters, sanders, grinders, and hydraulic benders.
(1 hr. lect.; 3 hrs. lab. per week)

WELD 52 Introduction to Arc I (3)
Prerequisite: Placement in ENG 100; MATH 50 OR Placement in MATH 150 or higher
Prerequisite or Co-requisite: BLPR 22
Co-requisite: WELD 54, 56, 58
WELD majors only.
Fundamentals of oxyacetylene and arc welding. Proper use and operation of oxyacetylene equipment. Operation and use of various types of welding machines. Electrode identification and arc welding terminology. Welding on carbon steel in the flat fillet position. (20 hrs. lect. per week)

WELD 54 Introduction to Arc II (2)
Prerequisite or Co-requisite: WELD 52
Co-requisite: WELD 56, 58
WELD majors only.
Introduction to the horizontal position. Single and multi-pass fillet welding on carbon steel using E6010 or E6011, and E7018 electrodes. (20 hrs. lect. per week)

WELD 56 Introduction to Arc III (2)
Prerequisite or Co-requisite: WELD 54
Co-requisite: WELD 52, 58
WELD majors only.
Introduction to the vertical position. Single and multi-pass fillet welding on carbon steel using E6010 or E6011, and E7018 electrodes. (20 hrs. lect. per week)

WELD 58 Introduction to Arc IV (2)
Prerequisite or Co-requisite: WELD 56
Co-requisite: WELD 52, 54
WELD majors only.
Introduction to the overhead position. Single and multi-pass fillet welding on carbon steel using E6010 or E6011, and E7018 electrodes. (20 hrs. lect. per week)

WELD 60 Advanced Arc Welding I (2)
Prerequisite: Placement in ENG 100; MATH 50 OR Placement in MATH 150 or higher
Co-requisite: WELD 21, 62, 64, 66, 68
WELD majors only.
Single and multi-pass groove welding, on carbon steel, using E7018 electrodes. Welding to be done in the 1G (flat) and 2G (horizontal) positions.
(20 hrs. lect. per week)

WELD 62 Advanced Arc Welding II (3)
Prerequisite or Co-requisite: WELD 60
Co-requisite: WELD 21, 64, 66, 68
WELD majors only.
Single and multi-pass groove welding on carbon steel using E7018 electrodes. Welding to be done in the 3G (vertical up) position. Limited thickness Guided Bend Test will be administered. (20 hrs. lect. per week)

WELD 64 Advanced Arc Welding III (3)
Prerequisite or Co-requisite:: WELD 62
Co-requisite: WELD 21, 60, 66, 68
WELD majors only.
Single and multi-pass groove welding on carbon steel plate using E7018 electrodes in the 4G (overhead) position. Limited thickness Guided Bend Test will be administered. (20 hrs. lect. per week)

WELD 66 Plasma and Air Carbon Arc Cutting (1)
Co-requisite: WELD 21, 60, 62, 64, 68
WELD majors only.
Care and safe use of plasma and air carbon arc cutting process will be covered. Cutting operations will be done on carbon steel, aluminum, and stainless steel. (2 hrs. lect. per week)

WELD 68 Blueprint Reading for Welders (3)
Prerequisite: BLPR 22
Co-requisite: WELD 21, 60, 62, 64, 66
WELD majors only.
A basic course in blueprint interpretation designed primarily for Welding Technology majors. Emphasis will be placed on welding symbols and their significance. Basic instruction in structural shapes and estimating will also be covered. (3 hrs. lect. per week)

WELD 70 Oxyacetylene Welding I (2)
Prerequisite: Placement in ENG 100; MATH 50 OR Placement in MATH 150 or higher
Co-requisite: WELD 72, 74, 76, 78
WELD majors only.
Care and use of oxyacetylene equipment. Fusion welding on steel in the flat and horizontal positions. (20 hrs. lect./lab. per week)

WELD 72 Oxyacetylene Welding II (2)
Co-requisite: WELD 70, 74, 76, 78
WELD majors only.
Care and use of oxyacetylene equipment. Braze welding on steel in the flat and horizontal positions. (20 hrs. lect./lab. per week)

WELD 74 TIG Welding I (2)
Co-requisite: WELD 70, 72, 76, 78
WELD majors only.
Theory, practice and application of the TIG welding process. Welding of carbon steel and stainless steel. (20 hrs. lect./lab. per week)

WELD 76 TIG Welding II (2)
Co-requisite: WELD 70, 72, 74, 78
WELD majors only.
Theory, practice and application of the TIG welding process in the welding of aluminum.
(20 hrs. lect./lab. per week)

WELD

Students are recommended to complete their college-level English and Math classes within their first two semesters of college.

Course Descriptions - WS

WELD 78 Fabrication Techniques (4)
Co-requisite: WELD 70, 72, 74, 76
WELD majors only.
Introduction to the layout and fabrication of welded structures, jigs, and fixtures. Interpretation and practical applications of blueprints and sketches. Miter cuts and the identification and processing of metals.
(8 hrs. lect./lab. per week)

WELD 80 Gas Metal and Flux Cored Arc Welding (5)
Prerequisite: Placement in ENG 100; MATH 50 OR Placement in MATH 150 or higher
Co-requisite: WELD 82, 84
WELD majors only.
Theory, practice, and applications of Gas Metal and Flux Cored Arc Welding processes including safety and manipulative skills. Welding of carbon steel and aluminum. (9 hrs. lect./lab. per week)

WELD 82 Welding Inspection and Testing Principles (1)
Co-requisite: WELD 80, 84
WELD majors only.
Introduction to welding codes and qualifications. Visual, destructive, and nondestructive methods will be covered. (2 hrs. lect./lab. per week)

WELD 84 Advanced Fabrication Techniques (4)
Co-requisite: WELD 80, 82
WELD majors only.
Emphasis on the use of various types of equipment together with the interpretation of blueprints and sketches to perform practical work assignments.
(8 hrs. lect./lab. per week)

WELD 93V Cooperative Education (1–4)
Prerequisite: Placement in ENG 100; MATH 50 OR Placement in MATH 150 or higher
Instructor approval required.
WELD majors only.
This course will provide students with the opportunity to acquire on-the-job experience related to classroom and laboratory instruction in Welding. Students may enroll 4 times for a maximum of 12 credits.
(5 hrs. work experience per week per credit)

WOMEN'S STUDIES (WS)

WS 151 Introduction to Women's Studies (3) (DS)
Recommended Prep: Placement in ENG 100 + ENG 100S
This is an introduction to Women's Studies, an interdisciplinary study of the world of women. The concept of gender permits the examination of various facets of women and men's experiences, corrects misconceptions and assists thinking about the future of women. (3 hrs. lect. per week)

WS 230 Gender and Sport (3) (DS)
Prerequisite: Placement in ENG 100 + ENG 100S
Recommended Prep: ENG 100
Explores the influence of gender in sport from cultural, psychosocial, and political perspectives. Examines women's and men's role as participants, spectators, and employees of sport and sports organizations.
(3 hrs. lect. per week)

WORK CYCLE (WORK)

WORK 194V Cooperative Education - Federal Work Cycle (1–6)
(Formerly WORK 94V)
Instructor approval required. Acceptance in Federal Coop Ed Program required.
This course is for students accepted in a Federal Cooperative Education program. During the Work Cycle, students are assigned work experiences related to academic studies or career goals. Students may enroll 6 times for credit with instructor approval, up to a total of 24 credits.
(5 hrs. work experience per week per credit)

ZOOLOGY (ZOOL)

ZOOL 101 Principles of Zoology (4) (DB)+(DY)
Living animals, their structure, physiology, development, reproduction, evolution, habits, ecology, and their relationship to other living organisms and the environment. Cross-listed as BIOL 103/103L. (3 hrs. lect.; 3 hrs. lab. per week)

ZOOL 200 Marine Biology (3) (DB)
Co-requisite: ZOOL 200L
Lectures in this course provide an introduction to the marine flora and fauna, including those of the Hawaiian waters. A knowledge of the physical, biological and ecological characteristics of the marine environment is important for understanding the life systems of the ocean. The course will cover coral reef organisms, deep sea life, fisheries, farming the ocean, marine resources and the effects of pollution on marine life; with special emphasis on the Hawaiian marine environment. May be taken on a CR/N basis.
(3 hrs. lect. per week)

ZOOL 200L Marine Biology Lab (1) (DY)
Prerequisites or Co-requisite: ZOOL 200
Companion laboratory to ZOOL 200, Marine Biology. Practical, hands-on experiences in marine biology. Laboratory/field trip class. May be taken on a CR/N basis. (3 hrs. lab.)

(See also OCEANOGRAPHY)

WS

OFF CAMPUS ACTIVITIES

Staff Development Bowling

Justice Society Club Visits Shriners Hospital

Student Life MRE Distribution

HonCC Intramural Basketball

Fashion Technology Program Partners with Bunka Fashion College, Shinjuku, Japan

Lo'i Kalo/Niuhelewai Park

The Carbon Neutrality Challenge

Kapālama Canal Cleanup

ADMINISTRATION, FACULTY & STAFF

ADMINISTRATION, FACULTY & STAFF

UNIVERSITY OF HAWAI'I LEADERSHIP

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Honolulu Community College Administration

Karen Lee
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Director
Pacific Center for Advanced Technology Training
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Jennifer Higa-King
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Lara Sugimoto
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Transportation and Trades

EXCELLENCE IN TEACHING AWARD RECIPIENTS

Each year a Regents Medal for Excellence in Teaching is awarded by the University of Hawaiʻi Board of Regents to a faculty member on each campus in the University of Hawaiʻi system. As selected by a committee consisting of former awardees and student representatives, Honolulu Community College pays tribute to a person who exhibits teaching effectiveness, an extraordinary level of subject mastery, scholarship, creativity and personal values that benefit students and represent the high level of instruction that takes place at Honolulu Community College.
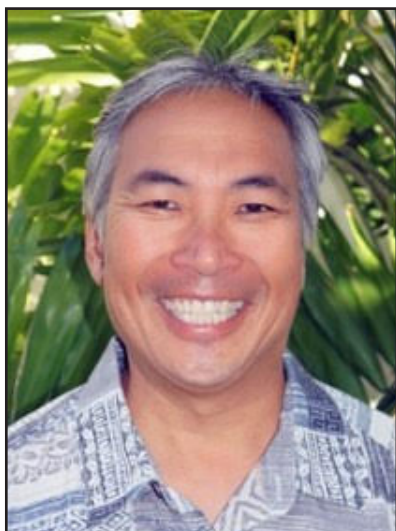
Mark Sung Alapaki Luke
Hawaiian Programs, 2019

Emily Ann Kukulies
Student Activities, 2018

Derek Otsuji
English, 2017

Dean Crowell
Carpentry, 2016

Norman Takeya
Construction Management, 2015

2019	**Mark Sung Alapaki Luke,** Hawaiian Programs
2018	**Emily Ann Kukulies,** Student Activities
2017	**Derek Otsuji,** English
2016	**Dean Crowell,** Carpentry
2015	**Norman Takeya,** Construction Management
2014	**Sandra Sanpei,** Communication Arts
2013	**Patrick Patterson,** History
2012	**Jennifer Higa-King,** Psychology
2011	**Joy Nagaue,** Fashion Technology
2010	**Jess Aki,** Cosmetology
2009	**Diane Caulfield,** Cooperative Education, Human Services
2008	**Sheila Yoder,** Mathematics
2007	**Femar Lee,** College Skills Center
2006	**Danny Aiu,** Sheet Metal & Plastics Technology
2005	**Paul Onomura,** Diesel Mechanics
2004	**Lena Low,** Economics
2003	**Kakkala Gopalakrishnan,** Oceanography
2002	**Aaron Tanaka,** Computing, Security, & Networking Technology
2001	**Bob Vericker,** Administration of Justice
2000	**Rick Ziegler,** Humanities
1999	**Clifford Yamashiro,** Automotive Mechanics Technology
1998	**Craig Ohta,** Automotive Mechanics Technology
1997	**Muriel Fujii,** English
1996	**Tom Mikulski,** Electrical Installation & Maintenance Technology
1995	**Kathy Kamakaiwi,** Cosmetology
1994	**Cynthia Smith,** History
1993	**Barbara Petersen,** History
1992	**Frank Mauz,** Mathematics
1991	**James Niino,** Counseling
1990	**Ron Pine,** Philosophy
1989	**Sam Uchida,** Autobody, Repair & Painting Technology
1988	**David Cleveland,** Sociology
1987	**Beng Poh Yoshikawa,** The Learning Center
1986	**Harvey Chun,** Carpentry
1985	**Theo Hufen,** Chemistry
1984	**Lorraine Okami,** Cosmetology
1983	**Sonia Chess,** English
1982	**Sandra Hirose,** English
1981	**Herbert Foo,** Commercial Baking
1980	**Doric Little,** Speech
1979	**Shizuo Yoshimoto,** Welding Technology
1978	**Gloria Hooper,** English
1977	**Terry Haney,** Humanities
1976	**Frederick Shine,** Sheet Metal & Plastics Technology
1975	**Bob Eddinger,** Biology
1974	**Louis Willand,** English
1973	**Rose Ho,** Fashion Arts
1972	**James Yoshino,** Autobody, Repair & Painting Technology

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LAU, William W.C., IT Specialist, Information Technology Services;
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ANTOLIN, Stephanie M.G., Janitor Supervisor

ANTONIO, Carolyn G., Office Assistant

AOKI, Wendell, Groundskeeper

BAIRD, Kimberley Gail, Office Assistant

BAJCAR, Chad, Janitor

BOC, Emma A., Office Assistant

CANITE, Kara, Library Assistant

CASTANEDA, Manuel Jr., Library Assistant

CHIN, Lynette Y.L., Office Assistant

CHINEN, June M., Duplicating Machine Operator

DEAMICIS, Theresa, Security Officer

DE GUZMAN, Maria, Security Officer

DOMINGO, Valerie R., Secretary

DUONG, Danny , Janitor

ESTEBAN, Herminia A., Janitor

GONZALES, Jordan, General Laborer

HALE, Elizabeth, Office Assistant

HARRELL, Janice, Grounds Supervisor

HIAPO, Dana J., Building Maintenance Worker

HIGA JR., Fred, Building Maintenance Worker

ILDEFONSO, Gwen, Office Assistant

IREI, Barbara Jean, Working Supervisor

KADEKARU, Brandi, Office Assistant

KOKI, Alyson, Janitor

LOBETOS, Ruby, Library Technician

LONO, Lisa, Secretary

LONO, Shannon, Secretary

LORENZO, Nida P.Q., Secretary

MANUEL, Irene, Janitor

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NIHOA, Selina, Cashier

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PACLEB, LeeAnn C., Office Assistant

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RALLUSTIAN, Christopher, Office Assistant

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SPENCER, Lionel, Security Supervisor

SYLVA, Leon Ray, Janitor

TANAKA, Gina, Office Assistant

TANIGUCHI, Lorri, Registered Professional Nurse

TIMONIO, Leopoldo, Janitor

TSUKAMOTO, Germaine C., Secretary

VALDEZ, Ty Neal, Janitor

VALU, Atui, Security Officer

YAMAOKA, Roxanne, Secretary

YONEMOTO, Imelda, Office Assistant

YOSHIOKA, Sherri, Office Assistant

INDEX

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HONOLULU COMMUNITY COLLEGE · OFF-CAMPUS SITES MAP

AIRPORT TRAINING CENTER
Aeronautics Maintenance Technology Program (AERO)
140 Iako Place, Bldg. 52
Honolulu, Hawaii 96819

NOT TO SCALE
Dimensions are not proportional.
Roadways are simplified, and some have been intentionally left out.

LEGEND:
- Building/Covered Structure
- Bus Stop
- Parking Lot

SITE DETAIL

Iako Place

Parking Lot

52

AIRPORT TRAINING CENTER

LAGOON DRIVE

To Waikiki & HCC Main Campus
DILLINGHAM BLVD.
NIMITZ HWY.
H - 1 FREEWAY
Midway Loop
Koapaka St.
Ualena St.
Aolele St.
LAGOON DRIVE
Ke'ehi Lagoon Beach Park
Ke'ehi Lagoon
True North
Iolana Pl.
Nakolo Pl.
Lauhoe Pl.
Palekona St.
Iako Pl.
HONOLULU INTERNATIONAL AIRPORT
AIRPORT TRAINING CENTER

PACIFIC AEROSPACE TRAINING CENTER
Commercial Aviation Program (AVIT)
Kalaeloa Airport, Hangar 111
91-1259 Midway Road, Kapolei, Hawaii 96707

NOT TO SCALE
Dimensions are not proportional.
Roadways are simplified, and some have been intentionally left out.

LEGEND:
- Building/Covered Structure
- Parking Lot

Kapolei Parkway
Kapolei High School
Fort Barrette Road
Guard Gate
Renton Road
Roosevelt Avenue
Saratoga
Enterprise Ave.
Midway
KALAELOA AIRPORT
PACIFIC AEROSPACE TRAINING CENTER
FARRINGTON HIGHWAY
H-1 FREEWAY
Exit 2
To Honolulu & HCC Main Campus
True North

SITE DETAIL
Midway Road
Parking Lot
PATC Hangar 111
Entry Gate
To Administration Office

AUTOMOTIVE TECHNOLOGY (AMT) & DIESEL MECHANICS FACILITY (DISL)
445 Kokea Street, Bldg. 43 & 44
Honolulu, Hawaii 96817

NOT TO SCALE
Dimensions are not proportional.

LEGEND:
- 43 Building Number
- Building/Covered Structure
- Bus Stop
- Parking Lot

MAUKA
EWA — WAIKIKI
MAKAI

HCC MAIN CAMPUS
DILLINGHAM BOULEVARD
The area between these lines has been shortened
AUTOMOTIVE TECHNOLOGY
DIESEL MECHANICS
43
44
Student Parking Lot 8
Guard Booth
Kapalama Canal
KOKEA STREET
True North

MARINE EDUCATION & TRAINING CENTER
Small Vessel Fabrication & Repair (MARR)
10 Sand Island Parkway, Bldg. 50
Honolulu, Hawaii 96819

LEGEND:
- Building/Covered Structure
- Parking Lot

HCC MAIN CAMPUS
To Waikiki
Kokea St.
NIMITZ HWY.
Waiakamilo Rd.
DILLINGHAM BLVD.
NIMITZ HWY.
Libby St.
Kalihi St.
Molauea St.
Auiki St.
Puuhale Rd.
Sand Island Access Rd.
Sand Island Access Rd.
Kapalama Basin
SAND ISLAND
Sand Island Parkway
Traffic Light at Intersection
Kalihi Channel
Ke'ehi Boat Harbor
MARINE EDUCATION & TRAINING CENTER
True North

NOT TO SCALE
Dimensions are not proportional.
Roadways are simplified, and some have been intentionally left out.

SITE DETAIL
Sand Island Parkway
Parking Lot
Boat Parking Lot
METC
50
Kalihi Channel

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LEGEND:
- Building/Covered Structure
- Bus Stop
- M Motorcycle Parking
- Restrooms
- Restrooms w/ Automatic Doors
- All Gender Restrooms
- All Gender/-Family Restrooms
- Public Pay Text Phone
- Emergency Call Boxes
- Handi-Van Pick Up Areas
- Accessible Elevator
- Elevator
- P Handicap Accessible Parking
- Handicap Accessible
- Designated Animal Restroom

To **Automotive/Diesel Facility**, and Parking Lot 8, 445 Kōkea Street, Bldgs. 43 and 44, located at end of street.

To Waikīkī →

MAIN CAMPUS MAP DIRECTORY
ALPHA ORDER

Academic Counseling **BLDG 5 [H8]**

Administration **BLDG 6 [J7]**

Administration of Justice (AJ) **BLDG 2 [G5]**

Admission & Records **BLDG 6 [J7]**

Apprenticeship **BLDG 4B [F8]**

Architectural, Engineering & CAD Technologies (AEC) **BLDG 2 [G5]**

Art, Communication Arts (CA) **BLDG 2 [G5]**

Autobody Repair & Painting (ABRP) **BLDG 3 [D7]**

Bookstore **BLDG 2 [G5]**

Business Office/Cashier **BLDG 6 [J7]**

C.A.R.E. – College Achievement & Retention Experience **BLDG 7 [F5]**

Career Services / Student Employment **BLDG 7 [F5]**

Carpentry Technology (CARP) **BLDG 14 [N6]**

Child Care Center **BLDG 11A/B [H5]**

Computer Lab **BLDG 2 [G5]**

Computing, Security & Networking Technologies (CSNT) **BLDG 13 [K4]**

Construction Academy **BLDG 28 [K1]**

Continuing Education **BLDG 2 [G5]**

Cooperative Education **BLDG 2 [G5]**

Cosmetology (COSM) **BLDG 27 [K7]**

Design Center **BLDG 16 [J4]**

Disability Services (Student ACCESS) **BLDG 7 [F5]**

Early Childhood Education (ECED) **BLDG 2 [G5], BLDG 11A/B [H5]**

Educational Technology Center **BLDG 7 [F5]**

Electrical Installation & Maintenance Technology (EIMT) **BLDG 20 [K5]**

Emeritus College **BLDG 2 [G5]**

English as Second Language (ESL) **BLDG 7 [F5]**

Fashion Technology (FT) **BLDG** 2**7 [K7]**

Financial Aid **BLDG 5 [H8]**

Fire & Environmental Emergency Response (FIRE) **BLDG 20 [L5]**

Hawaiian Center **BLDG 5 [H8]**

Health Office **BLDG 2 [G5]**

HITS & Video Conference Center **BLDG 7 [F5]**

Humanities **BLDG 7 [F5]**

Human Resources **BLDG 6 [J7]**

Human Services (HS) **BLDG 2 [G5]**

Information & Computer Science (ICS) **BLDG 2 [G5]**

Information Technology Services (ITS) **BLDG 2 [G5]**

Kōkea Training Center **BLDG 45A/B [H2]**

Language Arts **BLDG 7 [F5]**

Liberal Arts (4th,5th,6th floors) **BLDG 7 [F5]**

Library **BLDG 7 [F5]**

Math **BLDG 7 [F5]**

Math Lab **BLDG 7 [F5]**

Music Entertainment & Learning Experience (MELE) **BLDG 2 [G5]**

Nā Papa Hawaiʻi **BLDG 7 [F5]**

Natural Sciences **BLDG 5 [H8]**

Norman Loui Conference Center **BLDG 2 [G5]**

Occupational & Environmental Safety and Management (OESM) **BLDG 20 [L5]**

Operations & Maintenance **BLDG 18 [J5]**

Outreach **BLDG 6 [J7]**

PCATT Professional Exam Center **BLDG 7 [F5]**

Pacific Center for Advanced Technology Training (PCATT) **BLDG 2 [G5]**

Poʻi Nā Nalu **BLDG 5 [H8]**

Recharge Station (Student Lounge) **BLDG 7 [F5]**

Refrigeration & Air Condtioning Technology (RAC) BLDG 14 [N6]

Security Office BLDG 72B [F3]
PH- (808) 284-1270

Sheetmetal & Plastics Technology (SMP) **BLDG 17 [I5]**

Social Sciences **BLDG 7 [F3]**

STEM Center **BLDG 5 [I8]**

Student Access **BLDG 7 [F5]**

Student Government **BLDG 2 [G5]**

Student Life & Development **BLDG 2 [G5]**

Student Lounge **BLDG 2 [G5]**

Student Success Center **BLDG 7 [F5]**

Student Media Board **BLDG 2 [G5]**

Testing Center **BLDG 7 [F5]**

Trade/Apprenticeship Complex **BLDG 14 [N6]**

TRIO-SSS- Student Support Services **BLDG 7 [F5]**

Tutoring Center **BLDG 7 [F5]**

Veterans Resource Center **BLDG 5 [H7]**

Welding Technology (WELD) **BLDG 14 [N6]**

Wellness Center **BLDG 6 [J7]**

Writing Center **BLDG 7 [F5]**

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1920s

1930s

19

1980s

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